

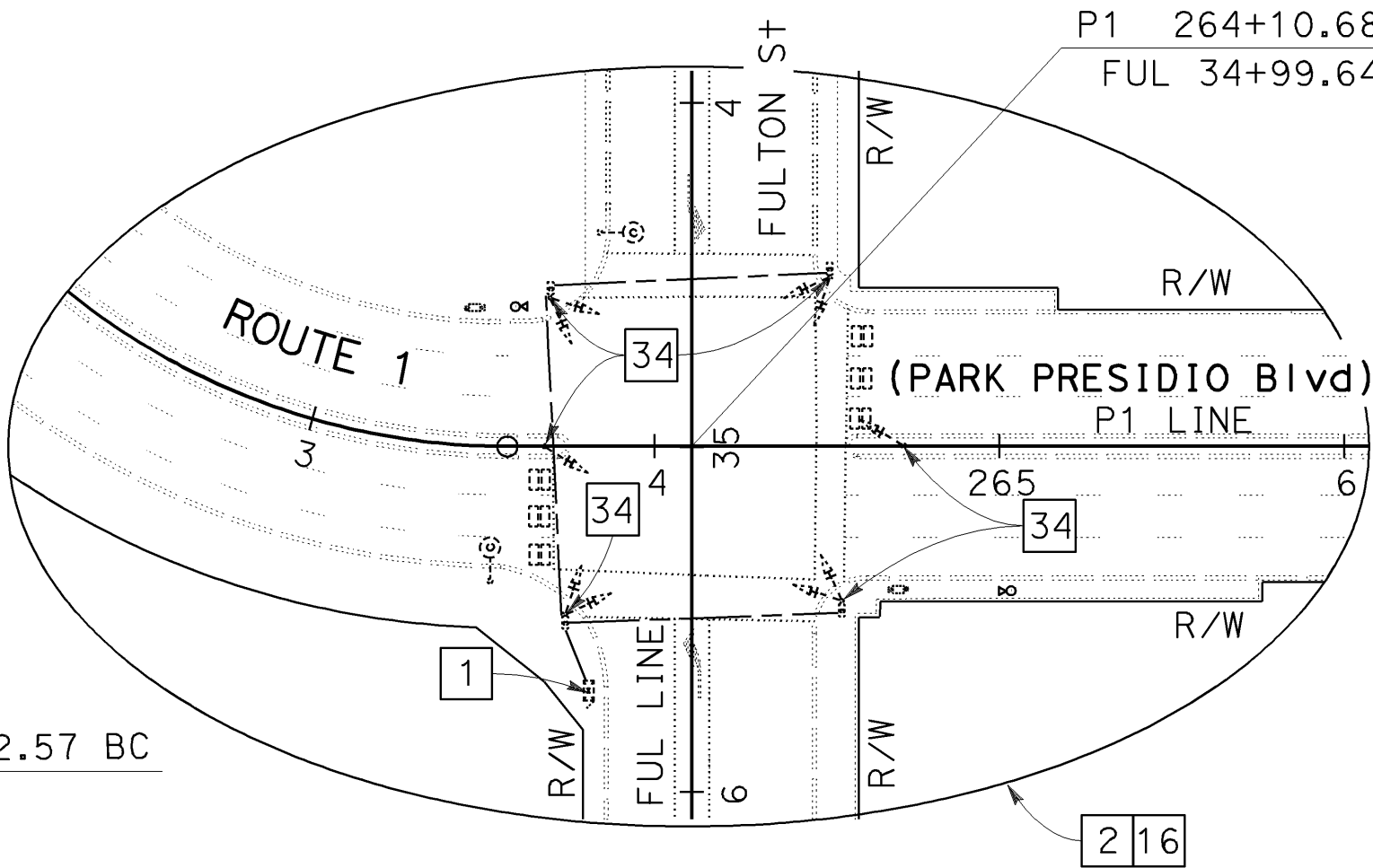
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STATE OF CALIFORNIA	DEPARTMENT OF TRANSPORTATION	ELECTRICAL
Caltrans		
FUNCTIONAL SUPERVISOR	KENNETH Y. XU	
CALCULATED/DESIGNED BY		
CHECKED BY		
REVISOR	HENRY Q. GU	
DATE		
REVISOR	KENNETH Y. XU	
DATE		

FOR COMPLETE RIGHT OF WAY DATA,
SEE RIGHT OF WAY RECORD MAPS
AT DISTRICT OFFICE.

EXISTING EQUIPMENT TO BE REMOVED AND SALVAGED

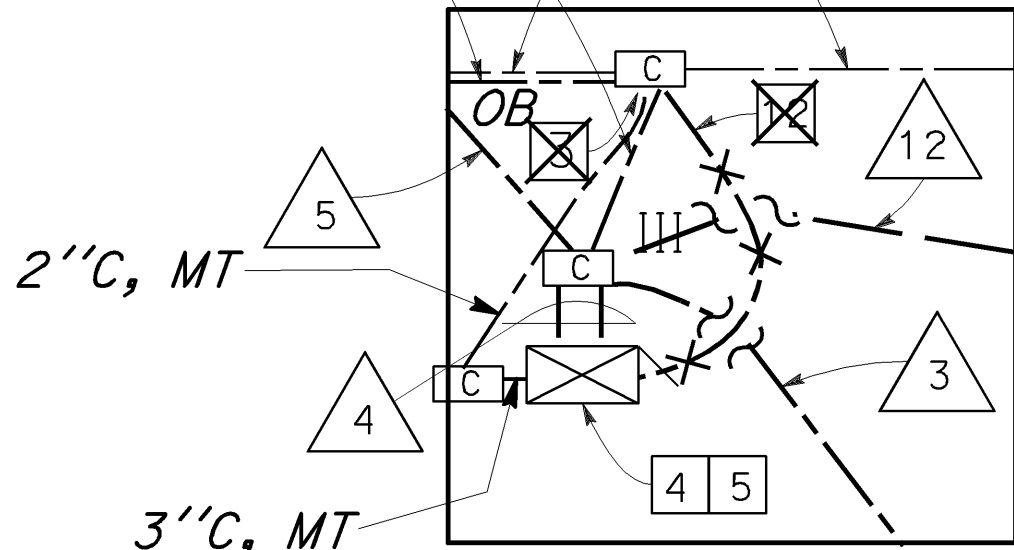
1 TYPE "M" INTERSECTION CONTROLLER ASSEMBLY



SCALE: 1"=50'

2" C, 2#14 (FLASHING BEACON)
EXISTING 1 1/2" C, 4#14 (FLASHING BEACON)

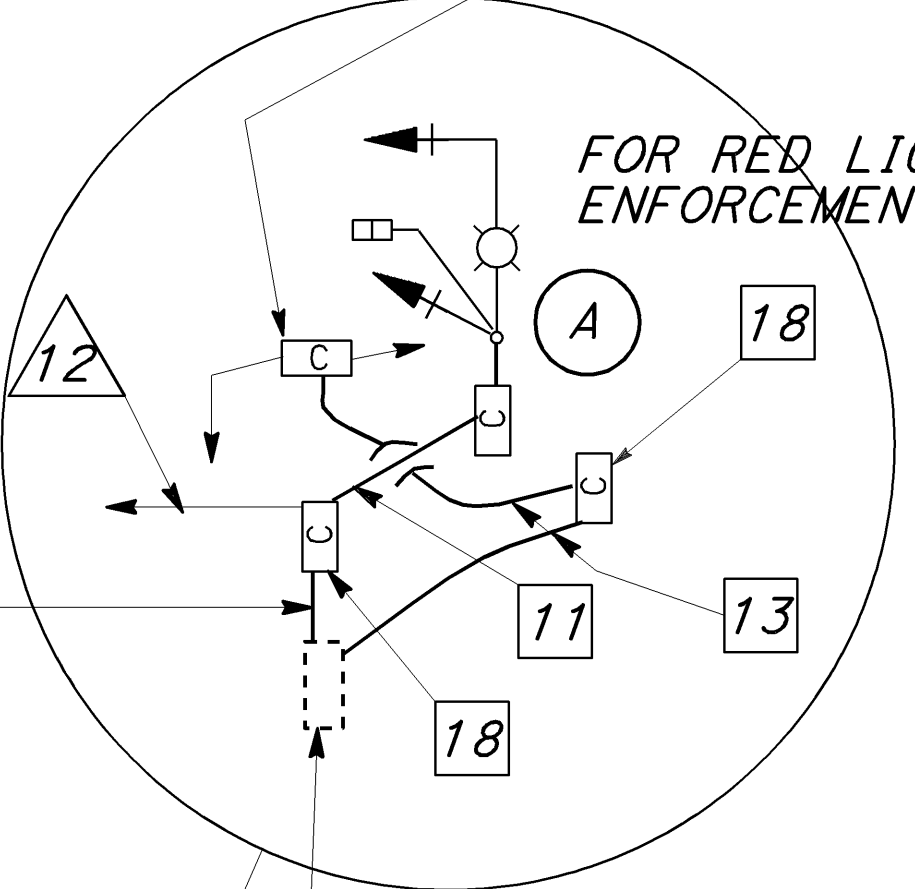
Signal Switch Over on 07-29-2011



DETAIL A
NO SCALE

EXISTING RED LIGHT
ENFORCEMENT SYSTEM

FOR RED LIGHT
ENFORCEMENT SYSTEM



P1 264+10.68 POT=
FUL 34+99.645

2" C, 2#6 SIGNAL
2#8, LIGHTING

ROUTE 1 (PARK PRESIDIO Blvd)

P1 LINE

SYSTEM No. 34-001-05002 (PG&E)
UNDERGROUND SERVICE(120/240 V)

NEW LOAD:
6-200 W HPS LUMINAIRES
1000 W TRAFFIC SIGNAL

AS BUILT

CONTRACT No. 04-162524
C.C.A. DATE 05/28/10
R.E. NAME F Duan

MODIFY INTERCONNECTION CONDUIT AND CABLE
MODIFY SIGNAL AND LIGHTING
(LOCATION No. 10)

ROUTE 1 / FULTON STREET

SCALE: 1"=20'

EXISTING PHASE DIAGRAM

PROPOSED PHASE DIAGRAM

1	1-14-22	INSTALL APS PER CALTRANS 04-3J8904 & SRC 2021-307	D. Yeung	G. de Leon
NO	DATE	DESCRIPTION	BY	APP

RELATIVE BORDER SCALE
IS IN INCHES

0 1 2 3

USERNAME => s135696
DGN FILE => 4162524u019.asb

CU 04371

EA 162521

E-19

LAST REVISION DATE PLOTTED => 01-NOV-2010
01-13-08 TIME PLOTTED => 13:01

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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION



ELECTRICAL

FUNCTIONAL SUPERVISOR

KENNETH Y. XU

CALCULATED/DESIGNED BY

CHECKED BY

HENRY Q. GU

KENNETH Y. XU

REVISED BY

DATE REVISED

1

NO

1-14-22

DATE

INSTALL APS PER CALTRANS 04-3J8904 & SRC 2021-307

DESCRIPTION

D. Yeung

BY

G. de Leon

APP

BORDER LAST REVISED 3/1/2007

RELATIVE BORDER SCALE IS IN INCHES

0

1

2

3

USERNAME => s135696

DGN FILE => 416252ua020.asb

CU 04371

EA 162521

CONDUCTOR DESIGNATION	NUMBER OF CONDUCTORS											
	RUN NUMBER											
	1	2	3	4	5	6	7	8	9	10	11	12
No. 14 CONDUCTORS												
ø21, ø24, ø25	6	6	6	9	3							
ø41, ø44, ø45		3	6	9	3	3	3					
ø61, ø64, ø65				9	9	9	6	3	3			
ø81, ø84, ø85		3	3	9	6	6	6	3				
ø28, ø29	2	2	2	4	2							
ø68, ø69				4	4	4	2	2	2			
ø88, ø89		2	2	4	2	2	2	2				
APSPPB(ø28, ø29)	2	4	4	2	+							
APSPPB(ø68, ø69)				4	2	4	2	4	2	+		
APSPPB(ø88, ø89)	2	2	2	4	2	2	2	4	2	2	2	
APSPPB PPB NEUTRAL ø48, ø49	1	1	2	4	2	2	1	1	1	1		
SPARE	3	3	3	6	3	3	3	3	3			
(TOTAL No. 14	13	19	25	62	37	31	23	19	10	)	CHANGE TOTAL	
No. 8 CONDUCTORS												
SIGNAL NEUTRAL	1	1	1	2	1	1	1	1	1			
LIGHTING(240 V)	2	2	2		2	2	2	2	2		2	
TOTAL No. 8	3	3	3	2	3	3	3	3	3		2	
No. 6 CONDUCTORS												
120 V SERVICE TO CONTROLLER				2							2	
TOTAL No. 6				2							2	
DETECTOR CABLES (TYPE B)												
4I6U				1	1	1	1			1		
4I6L				1	1	1	1			1		
4I8U				1	1	1	1			1		
4I8L				1	1	1	1			1		
8J6U		1	1	1						1		
8J6L		1	1	1						1		
8J7U		1	1	1						1		
8J7L		1	1	1						1		
8J8U		1	1	1						1		
8J8L		1	1	1						1		
TOTAL DETECTOR CABLES		6	6	10	4	4	4			4	6	
CONDUIT SIZE	2	2 1/2	3	2-3	3	3	3	2 1/2	2	2	1 1/2	1 1/2

NOTE (FOR THIS SHEET ONLY):
SEE SIGNING PLANS FOR SIGN INSTALLATION REQUIREMENTS.

POLE AND EQUIPMENT SCHEDULE									
LOCATION	STANDARD			VEH SIGNAL MOUNTING		PED SIGNAL MOUNTING	APS PPB	HPS LUMINAIRE (WATTS)	SPECIAL REQUIREMENT *
	TYPE	SMA (ft)	LMA (ft)	MAST ARM	POLE		Ø		
(A)	17-3-100	20	8 42	MAS	SV-1-T	SP-1-T	89	200	INSTALL PIPE TENON FOR FUTURE EVD SEE DETAIL 1 ON SHEET E-48.
(B)	1-A				TV-2-T	SP-1-T	28		
(C)	1-A 18-2-100	25	8 42	MAS	SV-1-T	SP-1-T	29		INSTALL PIPE TENON FOR FUTURE EVD SEE DETAIL 1 ON SHEET E-48.
(D)	15TS		8 42		SV-1-T	SP-1-T	48 29	310 200	
(E)	17-3-100	20	8 42	MAS	SV-1-T	SP-1-T	68	200	INSTALL PIPE TENON FOR FUTURE EVD SEE DETAIL 1 ON SHEET E-48.
(F)	1-A 15TS				TV-2-T	SP-1-T	68 49	200	
(G)	15 TS 19-2-100	25	8 42	MAS	SV-1-T	SP-1-T	69	200	INSTALL PIPE TENON FOR FUTURE EVD SEE DETAIL 1 ON SHEET E-48.
(H)	19A-4-100 15TS		8 42		SV-1-T	SP-1-T	88	310 200	

* POLE G IS 25'

AS BUILT	
CONTRACT No.	04-162524
C.C.A. DATE	05/28/10
R.E. NAME	F Duan

MODIFY SIGNAL AND LIGHTING
(CONDUCTOR, POLE AND EQUIPMENT SCHEDULES)
(LOCATION No. 10)
ROUTE 1 / FULTON STREET