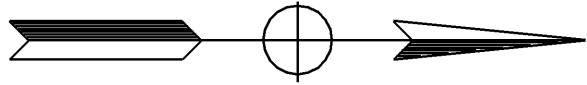
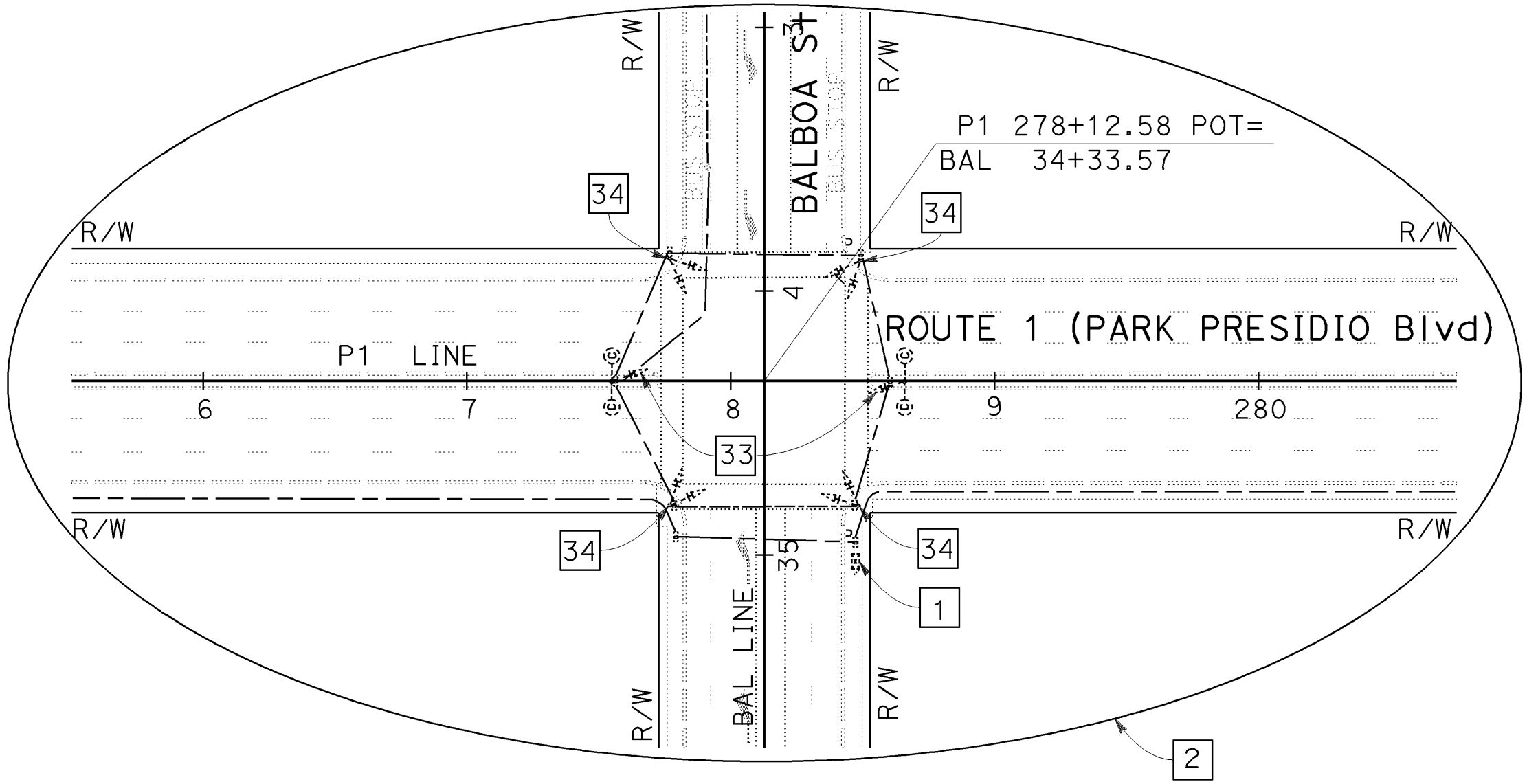


FOR COMPLETE RIGHT OF WAY DATA,
SEE RIGHT OF WAY RECORD MAPS
AT DISTRICT OFFICE.



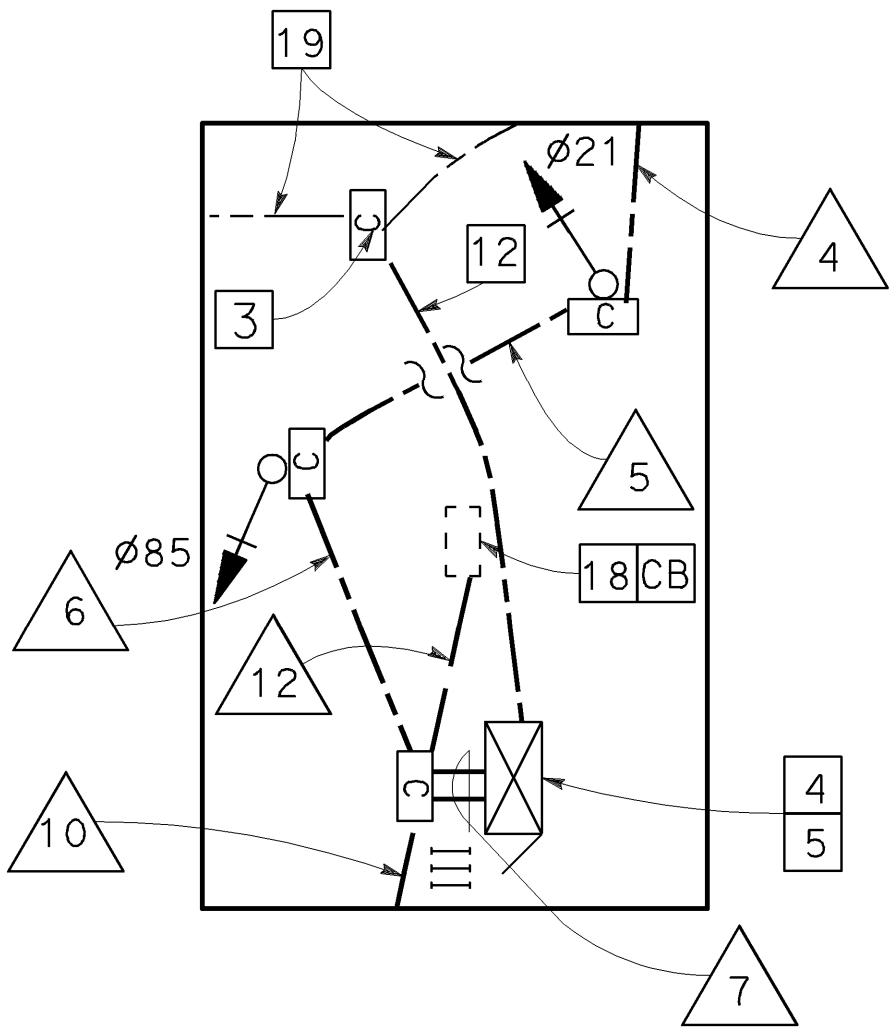
EXISTING EQUIPMENT TO BE REMOVED AND SALVAGED

1 TYPE "M" INTERSECTION CONTROLLER ASSEMBLY

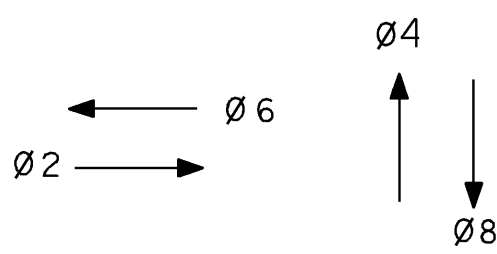
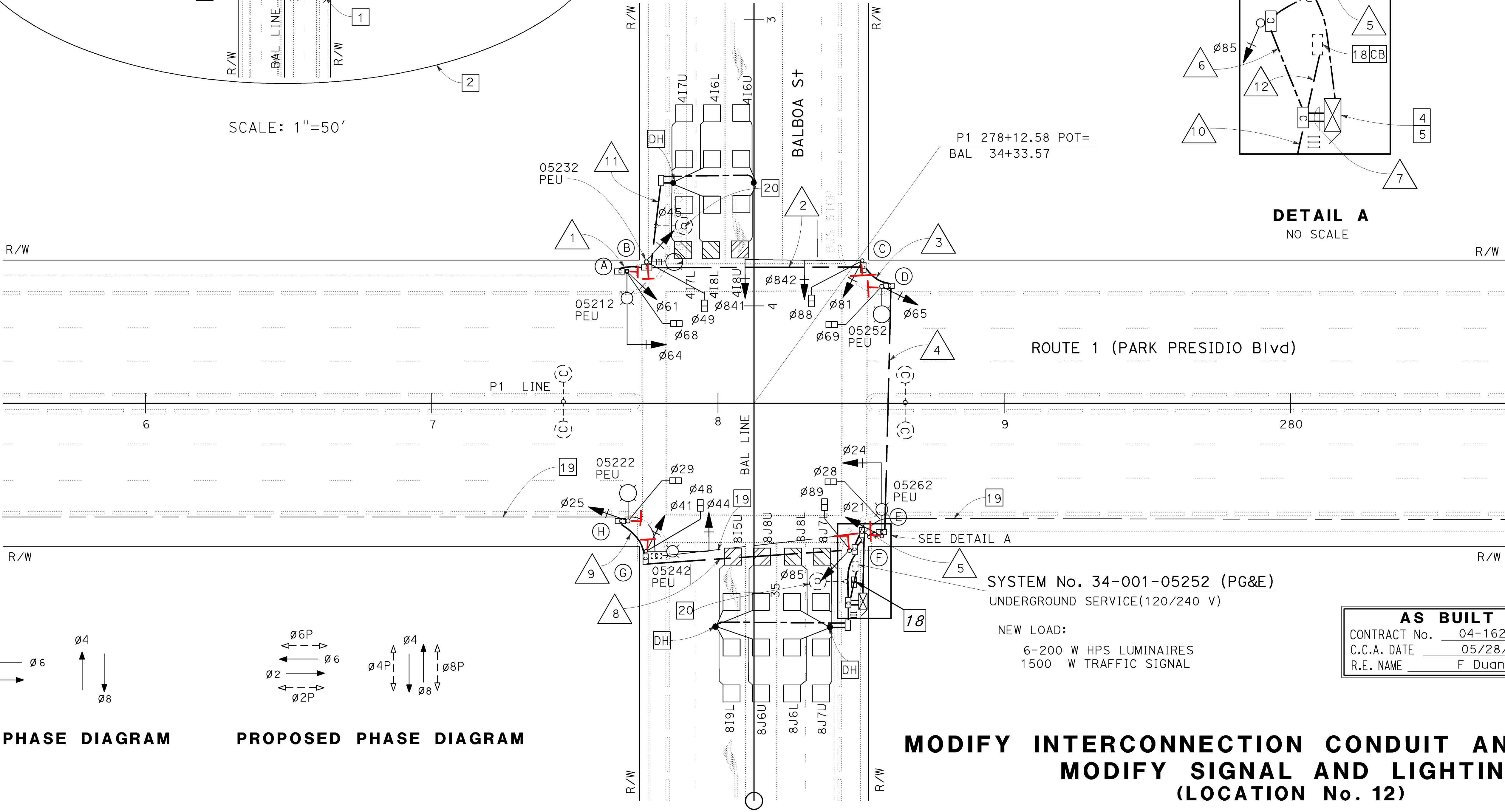


SCALE: 1"=50'

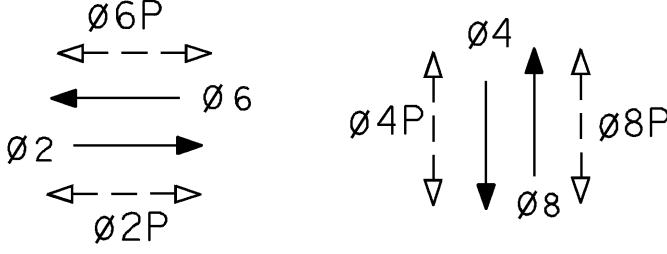
Signal Switch Over on 03-31-2009



DETAIL A
NO SCALE



EXISTING PHASE DIAGRAM



PROPOSED PHASE DIAGRAM

SYSTEM No. 34-001-05252 (PG&E)
UNDERGROUND SERVICE(120/240 V)

NEW LOAD:
6-200 W HPS LUMINAIRES
1500 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. 12)

ROUTE 1 / BALBOA STREET

SCALE: 1"=20'

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY

I:\11scd\asbui11ts\done\162524\416252ua024.asb

STATE OF CALIFORNIA

Caltrans

DEPARTMENT OF TRANSPORTATION

FUNCTIONAL SUPERVISOR
KENNETH Y. XU

CALCULATED/DESIGNED BY
CHECKED BY

HENRY Q. GU
KENNETH Y. XU

REVISED BY
DATE REVISED

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	9	9	3	3			
ø41, ø44, ø45		3	3	3	3	9	9	6				
ø61, ø64, ø65	6	6	6	9	9	9	9					
ø81, ø841, ø842, ø85			9	9	9	12	12					
ø28, ø29					2	4	4	2	2			
ø48, ø49		2	2	2	2	4	4	2				
ø68, ø69	2	2	2	4	4	4	4					
ø88, ø89			2	2	2	4	4					
APS PPB(ø28, ø29)						4	2	4	2	2		
APS PPB(ø48, ø49)	2	2	2	2	2	4	2	4	2	2		
APS PPB(ø68, ø69)		2	4	2	4	2	4	2				
APS PPB(ø88, ø89)			2	4	2	4	2					
PPB NEUTRAL	1	1	1	1	1	2	2	1	1			
SPARE	3	3	3	3	3	6	6	3	3			
TOTAL No. 14	13	19	28	34	43	68	68	19	10			
No. 8 CONDUCTORS												
SIGNAL NEUTRAL	1	1	1	1	1	2	2	1	1			
LIGHTING(240 V)	2	2	2	2	2	2		2	2			2
TOTAL No. 8	3	3	3	3	3	4	2	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	1					1
4I6L		1	1	1	1	1	1					1
4I7U		1	1	1	1	1	1					1
4I7L		1	1	1	1	1	1					1
4I8U		1	1	1	1	1	1					1
4I8L		1	1	1	1	1	1					1
8J6U							1			1		
8J6L							1			1		
8J7U							1			1		
8J7L							1			1		
8J8U							1			1		
8J8L							1			1		
8I5U							1			1		
8I9L							1			1		
TOTAL DETECTOR CABLES		6	6	6	6	6	14			8	6	
CONDUIT SIZE	2	2½	3	3	3	2-3	2-3	2	2	2	1½	1½

CHANGE TOTAL

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)	19-3-100	25	8 15	MAS	SV-1-T	SP-1-T	49	200	INSTALL PIPE TENON FOR FUTURE EVD SEE DETAIL 1 ON SHEET E-48.
(B)	15TS		8 15		SV-1-T	SP-1-T	68	200	
(C)	16-2-100 27-3-100	15 40		MAS MAS	SV-1-T	SP-1-T	69		INSTALL PIPE TENON FOR FUTURE EVD SEE DETAIL 1 ON SHEET E-48.
(D)	15TS		8 15		SV-1-T	SP-1-T	88	200	
(E)	19-3-100	25	8 15	MAS	SV-1-T	SP-1-T	89	200	INSTALL PIPE TENON FOR FUTURE EVD SEE DETAIL 1 ON SHEET E-48.
(F)	1-A				TV-1-T	SP-1-T	28		
(G)	17-2-100	15 20	8 15	MAS	SV-1-T	SP-1-T	29	200	INSTALL PIPE TENON FOR FUTURE EVD SEE DETAIL 1 ON SHEET E-48.
(H)	15TS		8 15		SV-1-T	SP-1-T	48	200	

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. 12)
ROUTE 1 / BALBOA STREET