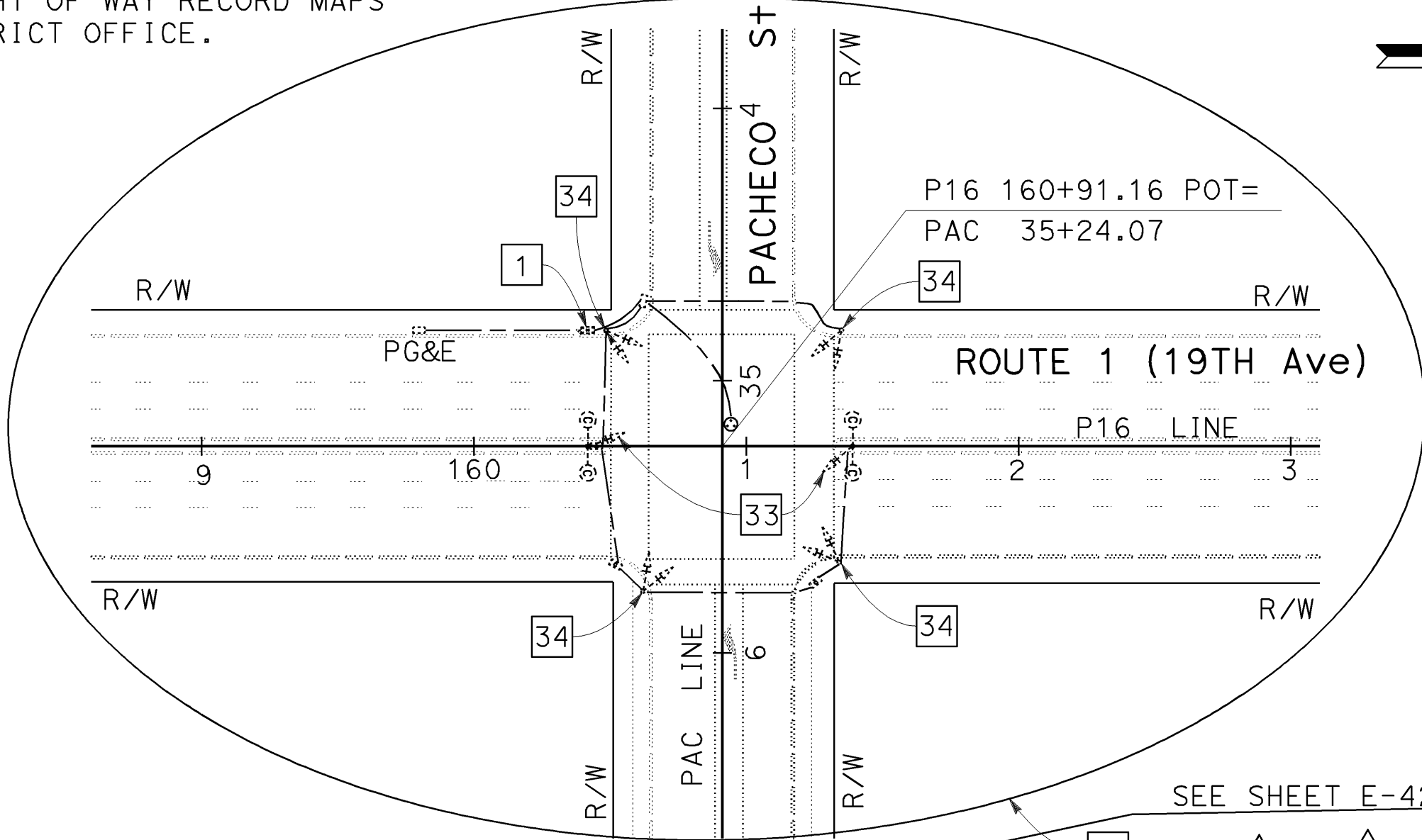


I:\11scu\asbui\its\done\162524\416252ua011.asb

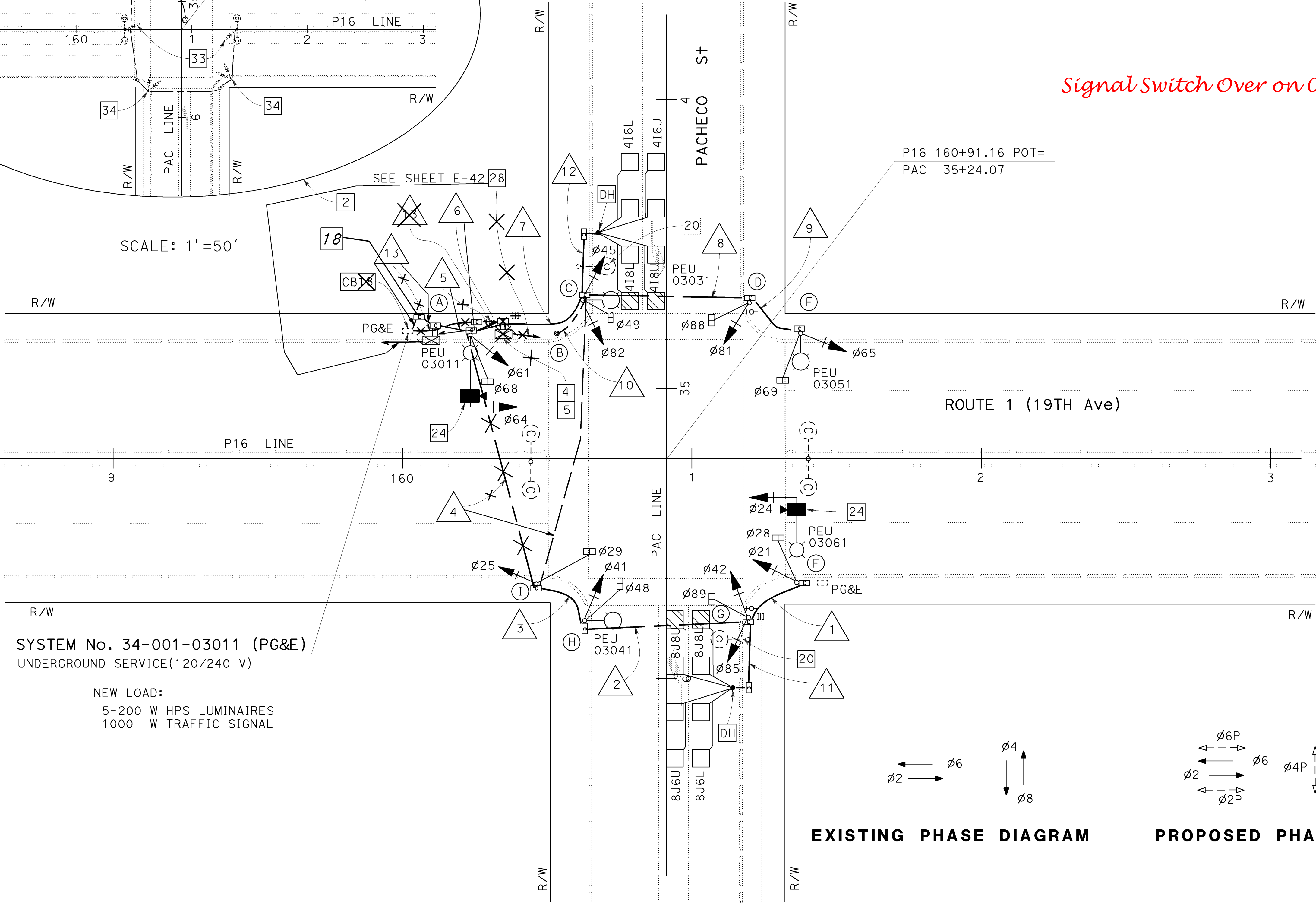
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION Caltrans	FUNCTIONAL SUPERVISOR		CALCULATED-DESIGNED BY	HENRY Q. GU	REVISED BY		
	KENNETH Y. XU						
	CHECKED BY						
ELECTRICAL			CHECKED BY	KENNETH Y. XU	DATE	REVISED	

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



SCALE: 1"=50'

EXISTING EQUIPMENT TO BE REMOVED AND SALVAGED
1 TYPE "M" INTERSECTION CONTROLLER ASSEMBLY



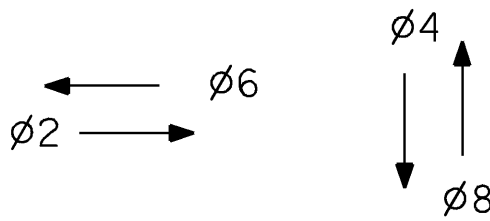
SYSTEM No. 34-001-03011 (PG&E)
UNDERGROUND SERVICE(120/240 V)

NEW LOAD:
5-200 W HPS LUMINAIRES
1000 W TRAFFIC SIGNAL

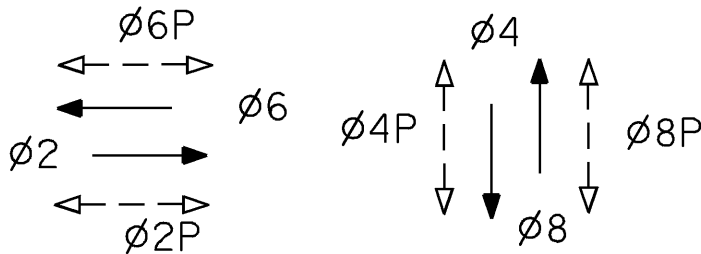
P16 160+91.16 POT=
PAC 35+24.07

Signal Switch Over on 05-20-2009

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



EXISTING PHASE DIAGRAM



PROPOSED PHASE DIAGRAM

MODIFY SIGNAL AND LIGHTING (LOCATION No. 6)

ROUTE 1 / PACHECO STREET

SCALE: 1"=20'

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY

RELATIVE BORDER SCALE
IS IN INCHES



USERNAME => s135696
DGN FILE => 416252ua011.asb

CU 04371

EA 162521

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STATE OF CALIFORNIA



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	13
No. 14 CONDUCTORS													
ø21, ø24, ø25	6	6	6	9	9	9							
ø41, ø42, ø45		3	6	6	6	9	3						
ø61, ø64, ø65					6	9	3	3	3				
ø81, ø82, ø85		3	3	3	3	9	6	3					
ø28, ø29	2	2	2	4	4	4							
ø48, ø49			2	2	2	4	2						
ø68, ø69					2	4	2	2	2				
ø88, ø89		2	2	2	2	4	2	2					
PPB(ø28, ø29)	2+	4+	2	4+	4+	4+							
PPB(ø48, ø49)				2+	2+	4+	2+			2+			
PPB(ø68, ø69)						4+	2+	2+		+			
PPB(ø88, ø89)	2+	2+	2+	2+	2+	4+	2+	2+	2+				
PPB NEUTRAL	4	4	4	4	4	2	4	2	4	4			
SPARE	3	3	3	3	3	6	6	3	3				
TOTAL No. 14	43	22	28	34	42	68	29	16	10	3	CHANGE TOTAL		
No. 8 CONDUCTORS													
SIGNAL NEUTRAL	1	1	1	1	1	2	1	1	1				
LIGHTING(240 V)	2	2	2	2	2		2	2	2			2	
TOTAL No. 8	3	3	3	3	3	2	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	
4I6L						1	1					1	
4I8U						1	1					1	
4I8L						1	1					1	
8J6U		1	1	1	1	1				1			
8J6L		1	1	1	1	1				1			
8J7U		1	1	1	1	1				1			
8J7L		1	1	1	1	1				1			
TOTAL DETECTOR CABLES		4	4	4	4	8	4				4	4	
VIDEO SYSTEM DETECTION (VSD)													
SB					1	1							
NB	1	1	1	1	1	1							
TOTAL VSD	1	1	1	1	2	2							
CONDUIT SIZE	2	3	3	3	2-3	2-3	3	2	2	1	1½	1½	1½

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

POLE AND EQUIPMENT SCHEDULE									
LOCATION	STANDARD			VEH SIGNAL MOUNTING		PED SIGNAL MOUNTING	PPB Ø	HPS LUMINAIRE (WATTS)	SPECIAL REQUIREMENT *
	TYPE	SMA (ft)	LMA (ft)	MAST ARM	POLE				
(A)	19-2-100	25	12	MAS	SV-1-T	SP-1-T		200	INSTALL PIPE TENONS FOR FUTURE EVD SEE DETAIL 1 ON SHEET E-48.
(B)	PPB POST						49 68		
(C)	15TS		12		SV-2-TA	SP-1-T	49	200	
(D)	1-A				TV-1-T	SP-1-T	69		
(E)	15TS		12		SV-1-T	SP-1-T	88	200	
(F)	19-2-100	25	12	MAS	SV-1-T	SP-1-T	89	200	INSTALL PIPE TENONS FOR FUTURE EVD SEE DETAIL 1 ON SHEET E-48.
(G)	1-A				TV-2-T	SP-1-T	28		
(H)	15TS		12		SV-1-T	SP-1-T	29	200	
(I)	1-A				TV-1-T	SP-1-T	48		

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. 6)
ROUTE 1 / PACHECO STREET