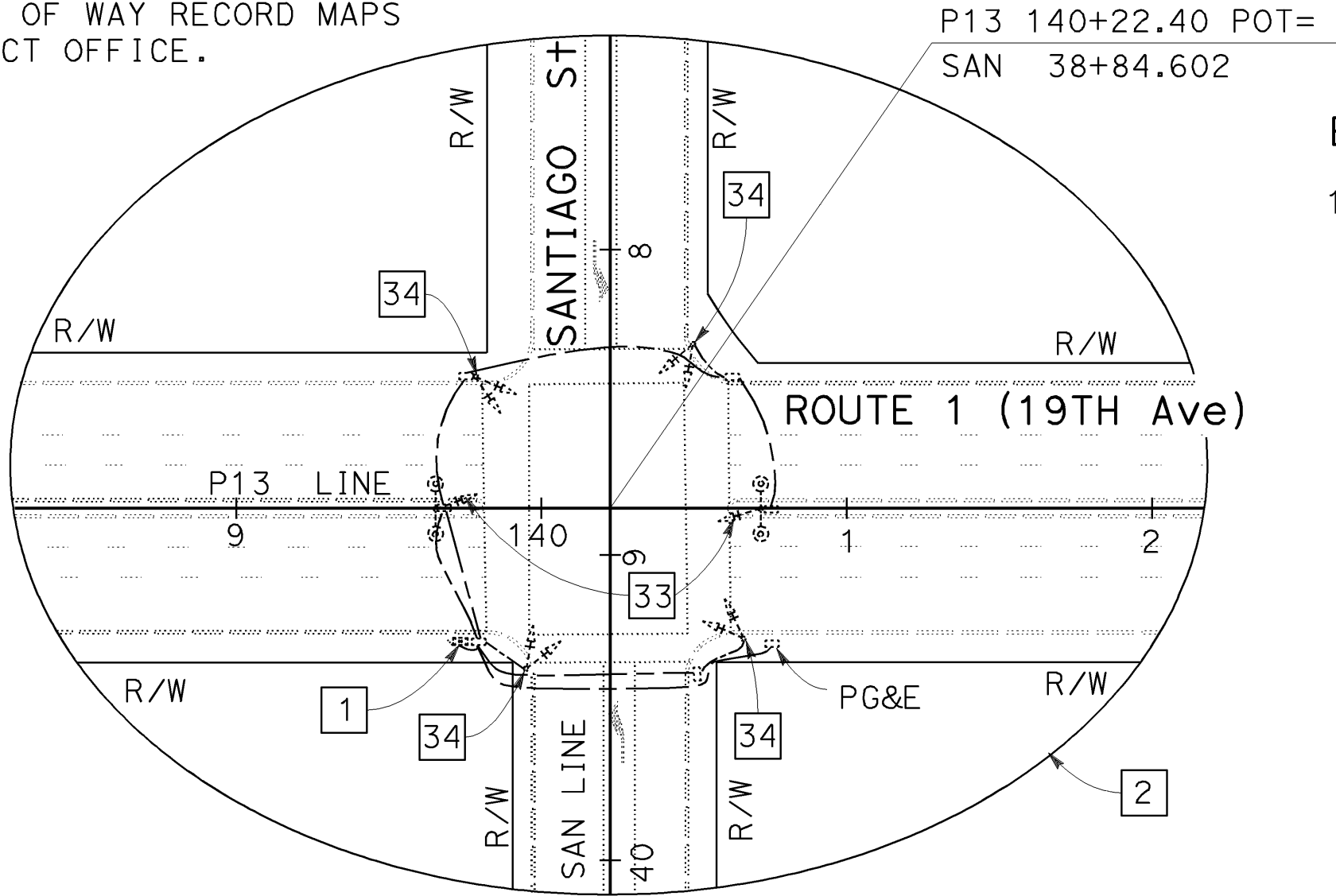


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STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	HENRY Q. GU	REVISED BY		
		KENNETH Y. XU				
		CD Caltrans				
ELECTRICAL						

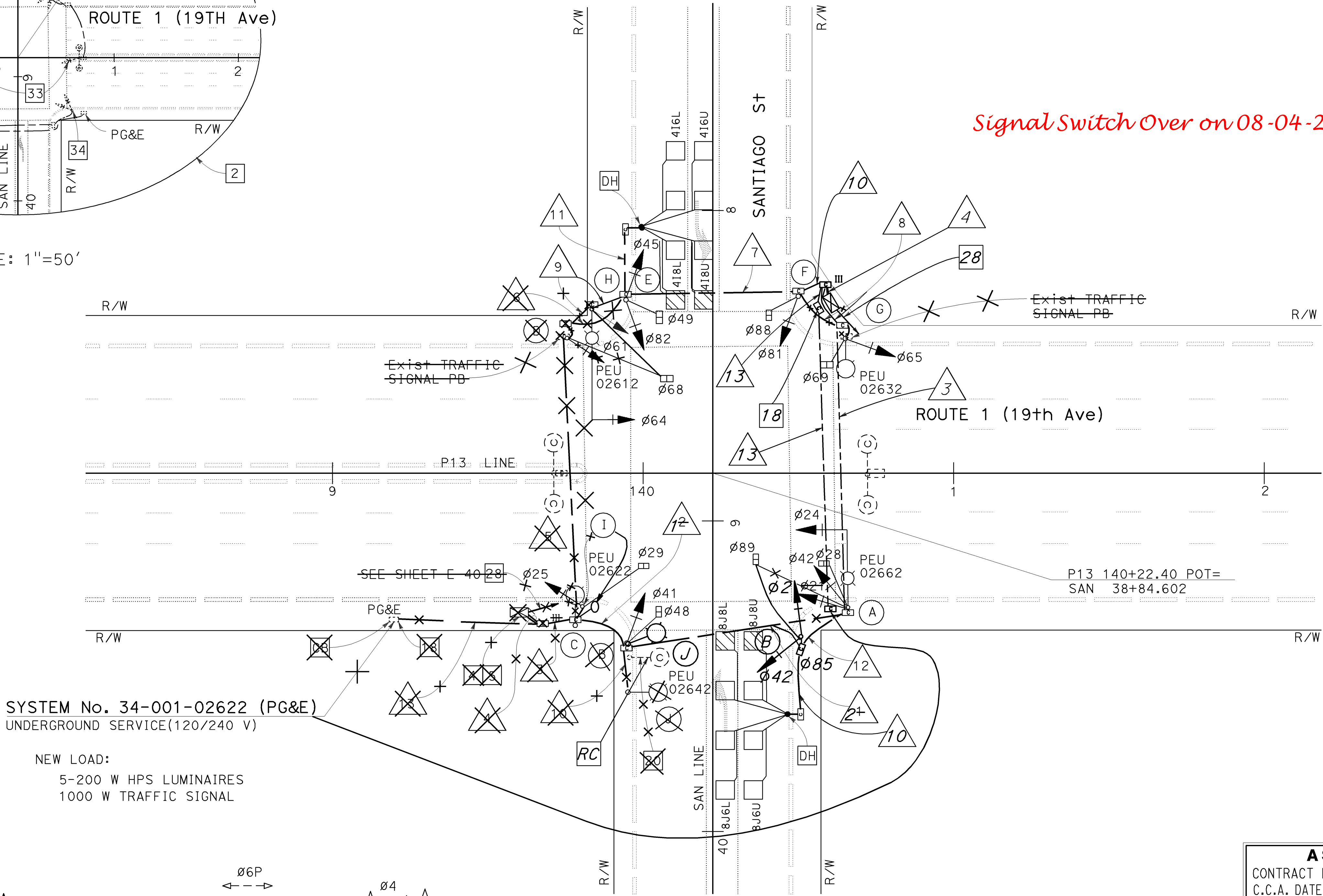
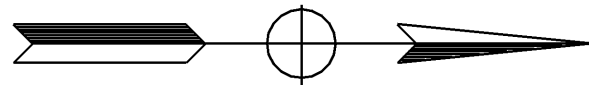
FOR COMPLETE RIGHT OF WAY DATA,
SEE RIGHT OF WAY RECORD MAPS
AT DISTRICT OFFICE.



SCALE: 1"=50'

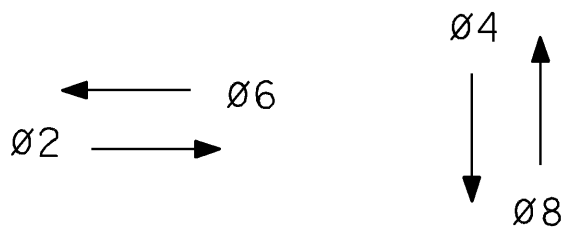
EXISTING EQUIPMENT TO BE REMOVED AND SALVAGED

1 TYPE "M" INTERSECTION CONTROLLER ASSEMBLY

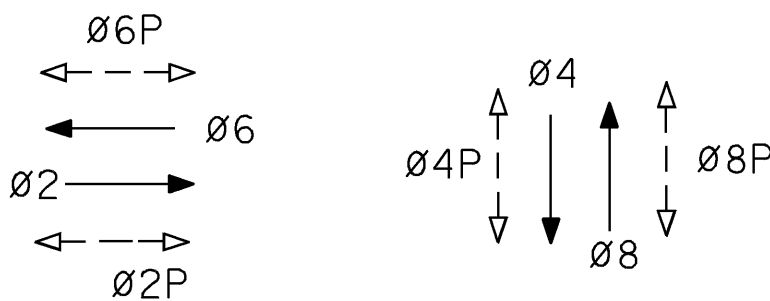


SYSTEM No. 34-001-02622 (PG&E)
UNDERGROUND SERVICE(120/240 V)

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



EXISTING PHASE DIAGRAM

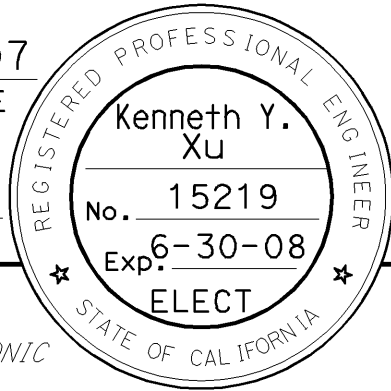


PROPOSED PHASE DIAGRAM

SCALE: 1"=20'

Signal Switch Over on 08-04-2009

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SF	1	R0.7/5.8	77	134
REGISTERED ELECTRICAL ENGINEER DATE 10-24-07					
1-14-08 PLANS APPROVAL DATE					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.					



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

MODIFY SIGNAL AND LIGHTING (LOCATION No. 4)

ROUTE 1 / SANTIAGO STREET

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY

RELATIVE BORDER SCALE
IS IN INCHES

0 1 2 3

USERNAME => s135696
DGN FILE => 416252u007.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 SCHEDULE																
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	36	36	69	9									3			
ø41, ø42, ø45	3	36	69	9	3	3	3						6			
ø61, ø64, ø65			9	9	69	3	63	3	36							
ø81, ø82, ø85			36	6	6	6	3	3					3			
ø28, ø29	2	2	4	4				4					2			
ø48, ø49		2	24	4	2	2	2	2					2			
ø68, ø69			4	4	42	2	2	2	2							
ø88, ø89	2	2	24	4	2	2	2	2					2			
PPB(ø28, ø29)	4	2	42	2				4					4			
PPB(ø48, ø49)	2	2	2	2	42		2	2	2				2			
PPB(ø68, ø69)			2	2	42	2	24									
PPB(ø88, ø89)	4	4	2	2	4	4	4	4								
PPB NEUTRAL	4	4	2	2	4	4	4	4								
SPARE	3	3	6	6	3	3	3	3					3			
TOTAL No. 14	19	25	65	65	34	25	16	10	3							
No. 8 CONDUCTORS																
SIGNAL NEUTRAL	1	1	12	2	1	4	1	1	1				1			
LIGHTING(240 V)	2	2	2		2	2	2	2	2	2			2	2		
TOTAL No. 8	3	3	34	2	3	3	3	3	32	2			3	2		
No. 6 CONDUCTORS																
120 V SERVICE TO CONTROLLER				2											2	
TOTAL No. 6				2											2	
DETECTOR CABLES (TYPE B)																
4I6U				4	1	1	4	1					1			
4I6L				4	1	1	4	1					1			
4I8U				4	1	1	4	1					1			
4I8L				4	1	1	4	1					1			
8J6U	4	4	1	1						1			1			
8J6L	4	4	1	1						1			1			
8J8U	4	4	1	1						1			1			
8J8L	4	4	1	1						1			1			
TOTAL DETECTOR CABLES	4	4	8	8	4	4				4	4	4				
CONDUIT SIZE	2	2 1/2	2	3	2	2 1/2	2	2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2			

2 2 2 3 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	PPB Ø	HPS LUMINAIRE (WATTS)	SPECIAL REQUIREMENT
	TYPE	SMA (ft)	LMA (ft)	MAST ARM	POLE				
(A)	19-2-100	25	42 8	MAS	SV-1-T	SP-1-T	28 89	200	INSTALL PIPE TENON FOR FUTURE EVD SEE DETAIL 1 ON SHEET E-48.
(B)	1-A				TV-1-T	SP-1-T	28 28		
(C)	15 TS		42 8		SV-1-T	SP-1-T		200	
(D)	1-A				TV-1-T	SP-1-T	49		
(E)	1-A				TV-2-T	SP-1-T	68		
(F)	1-A				TV-1-T	SP-1-T	69		
(G)	15TS		42 8		SV-1-T	SP-1-T	88	200	
(H)	24-3-100 19-2-100	35 25	42 8	MAS			49	200	INSTALL PIPE TENON FOR FUTURE EVD SEE DETAIL 1 ON SHEET E-48.
(I)	1-A PPB-POST				TV-1-T		48		
(J)	15		42 8		SV-1-T	SP-1-T	29	200	

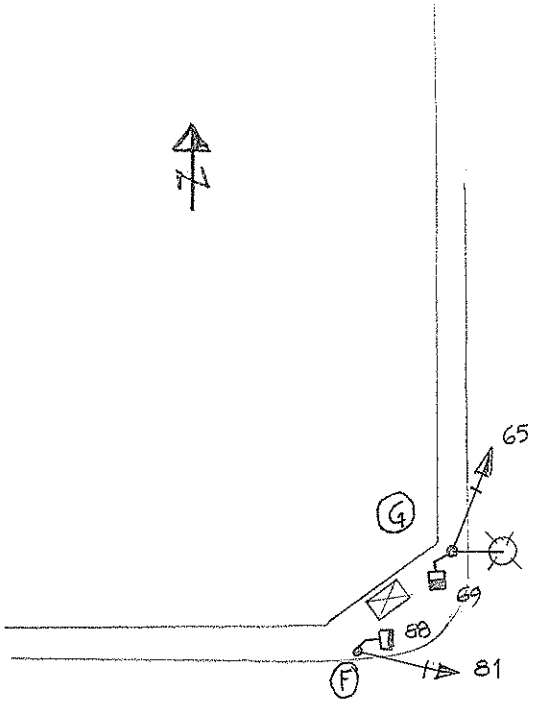
AS BUILT

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. 4)
ROUTE 1 / SANTIAGO STREET



19th Ave

