

Dist04COUNTYSFROUTE1POST MILESTOTAL PROJECT0.7/5.8SHEET No.99TOTAL SHEETS134

Kenneth Y. Xu10-24-07REGISTERED ELECTRICAL ENGINEER DATE

1-14-08PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER

Kenneth Y. Xu

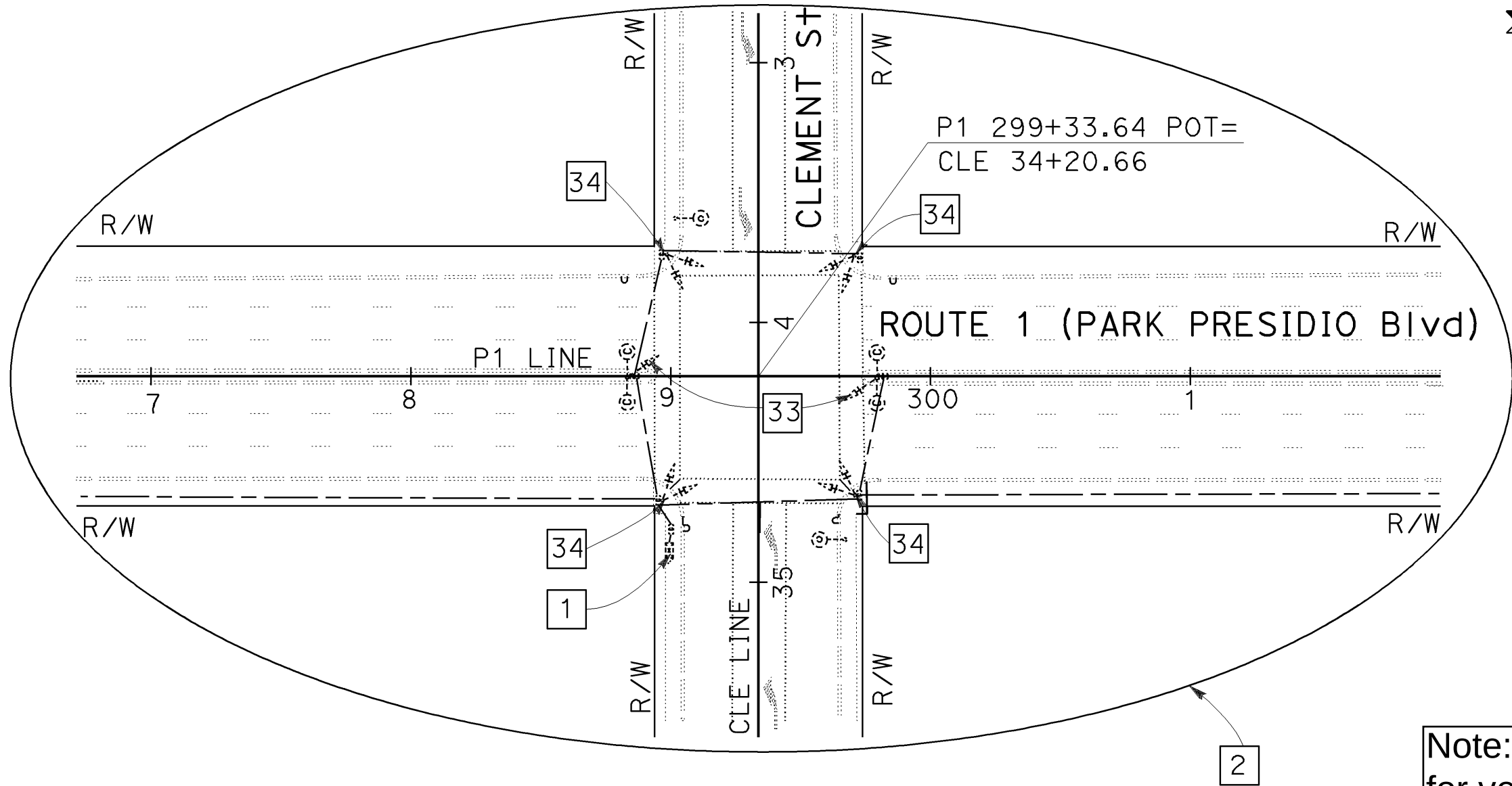
No. 15219

Exp. 6-30-08

ELECT

STATE OF CALIFORNIA

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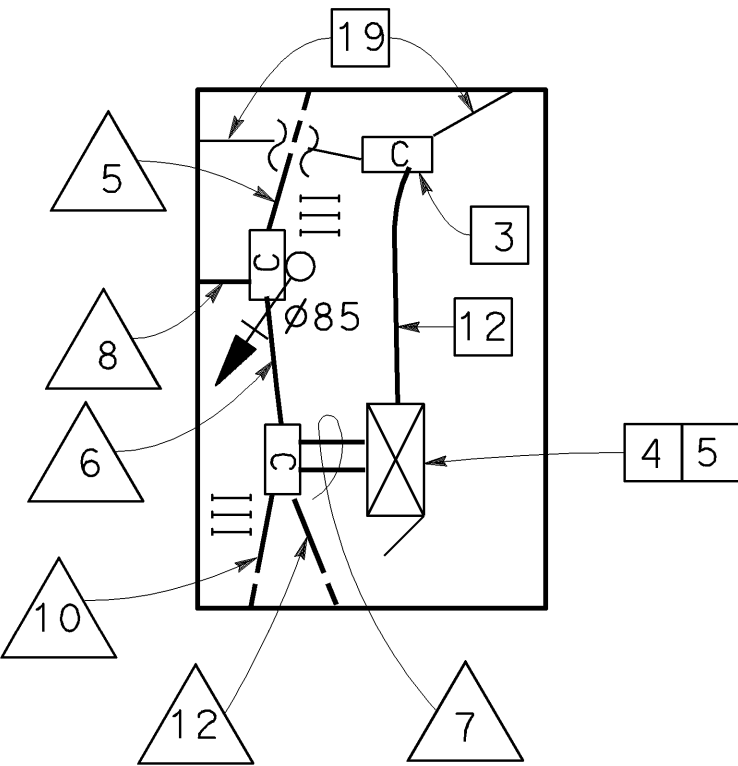


SCALE: 1"=50'

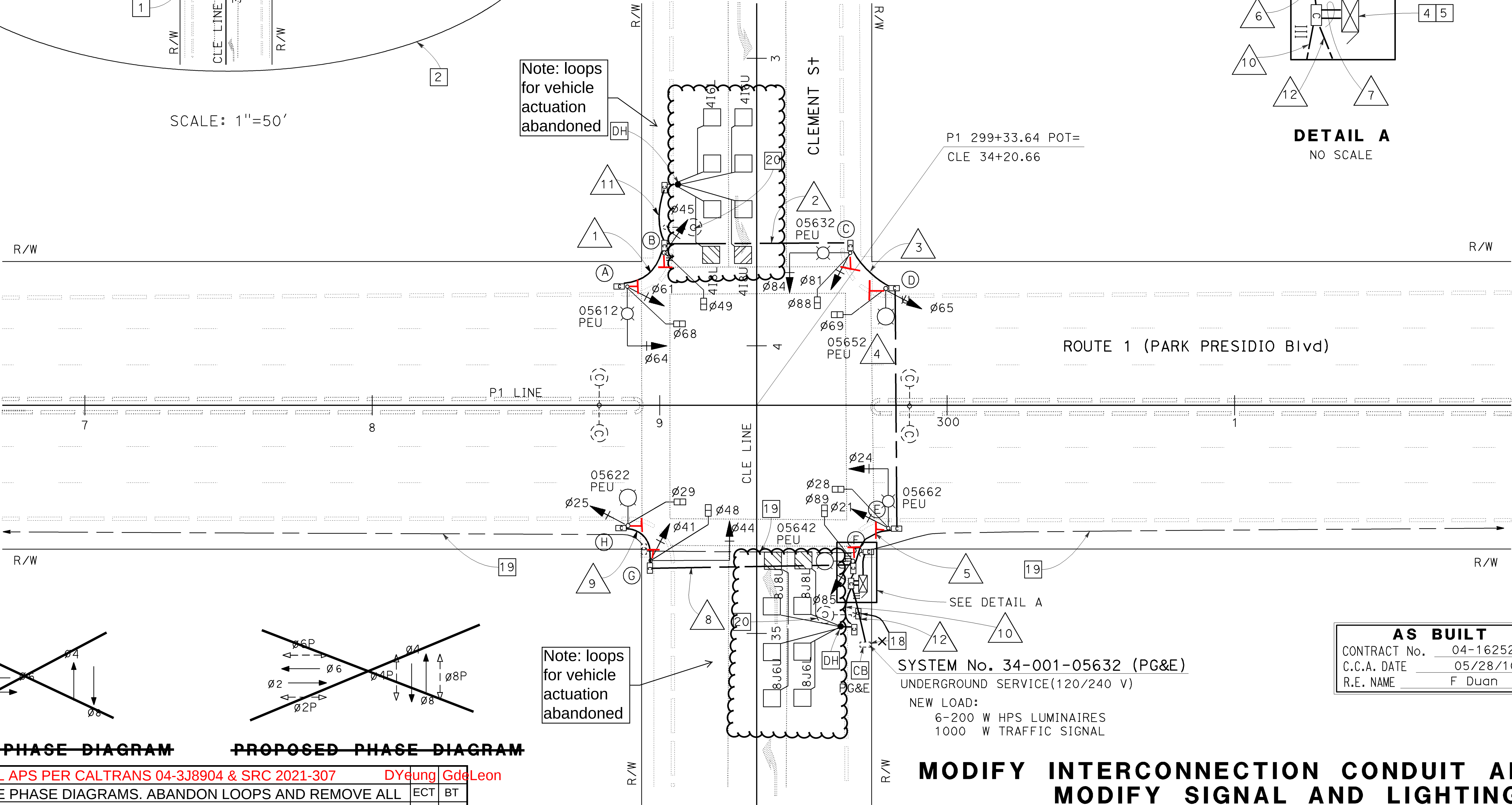
EXISTING EQUIPMENT TO BE REMOVED AND SALVAGED

1 TYPE "M" INTERSECTION CONTROLLER ASSEMBLY

Signal Switch Over on 03-25-2009



DETAIL A
NO SCALE



I:\11scu\asbu\11s\done\162524\416252ua030.asb

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

Note: loops for vehicle actuation abandoned

CONDUCTOR SCHEDULE															
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, ø84, ø85			6	6	6	9	9								
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 +	2 +						
APS PPB(ø68, ø69)		2 +	4 2	4 2	4 2	4 2	4 2								
APS PPB(ø88, ø89)				2 +	4 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	CHANGE					
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
TOTAL No. 6															2
DETECTOR CABLES (TYPE B)															
4I6U		1	1	1	1	1	1								1
4I6L		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
8J8U							1								1
TOTAL DETECTOR CABLES		4	4	4	4	4	8	1					4	14	
↑ CONDUIT SIZE	2	2½	3	3	3	2-3	2-3	2	2	1½	1½	1½	1½	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		
Ⓐ	17-2-100	20	8 1/2	MAS	SV-1-T	SP-1-T	49	200	INSTALL PIPE TENON FOR FUTURE EVD SEE DETAIL 1 ON SHEET E-48.
Ⓑ	1-A				TV-1-T	SP-1-T	68		
Ⓒ	17-2-100	20	8 1/2	MAS	SV-1-T	SP-1-T	69	200	INSTALL PIPE TENON FOR FUTURE EVD SEE DETAIL 1 ON SHEET E-48.
Ⓓ	15TS		8 1/2		SV-1-T	SP-1-T	88	200	
Ⓔ	17-2-100	20	8 1/2	MAS	SV-1-T	SP-1-T	89	200	INSTALL PIPE TENON FOR FUTURE EVD SEE DETAIL 1 ON SHEET E-48.
Ⓕ	15TS		8 1/2		SV-1-T	SP-1-T	28	200	
Ⓖ	18-2-100	25		MAS	SV-1-T	SP-1-T	29		INSTALL PIPE TENON FOR FUTURE EVD SEE DETAIL 1 ON SHEET E-48.
Ⓗ	15TS		8 1/2		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. 15)
ROUTE 1 / CLEMENT STREET

2 NO	1-14-22 DATE	INSTALL APS PER CALTRANS 04-3J8904 & SRC 2021-307 DESCRIPTION	D. Yeung BY	G. de Leon APP
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THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY

