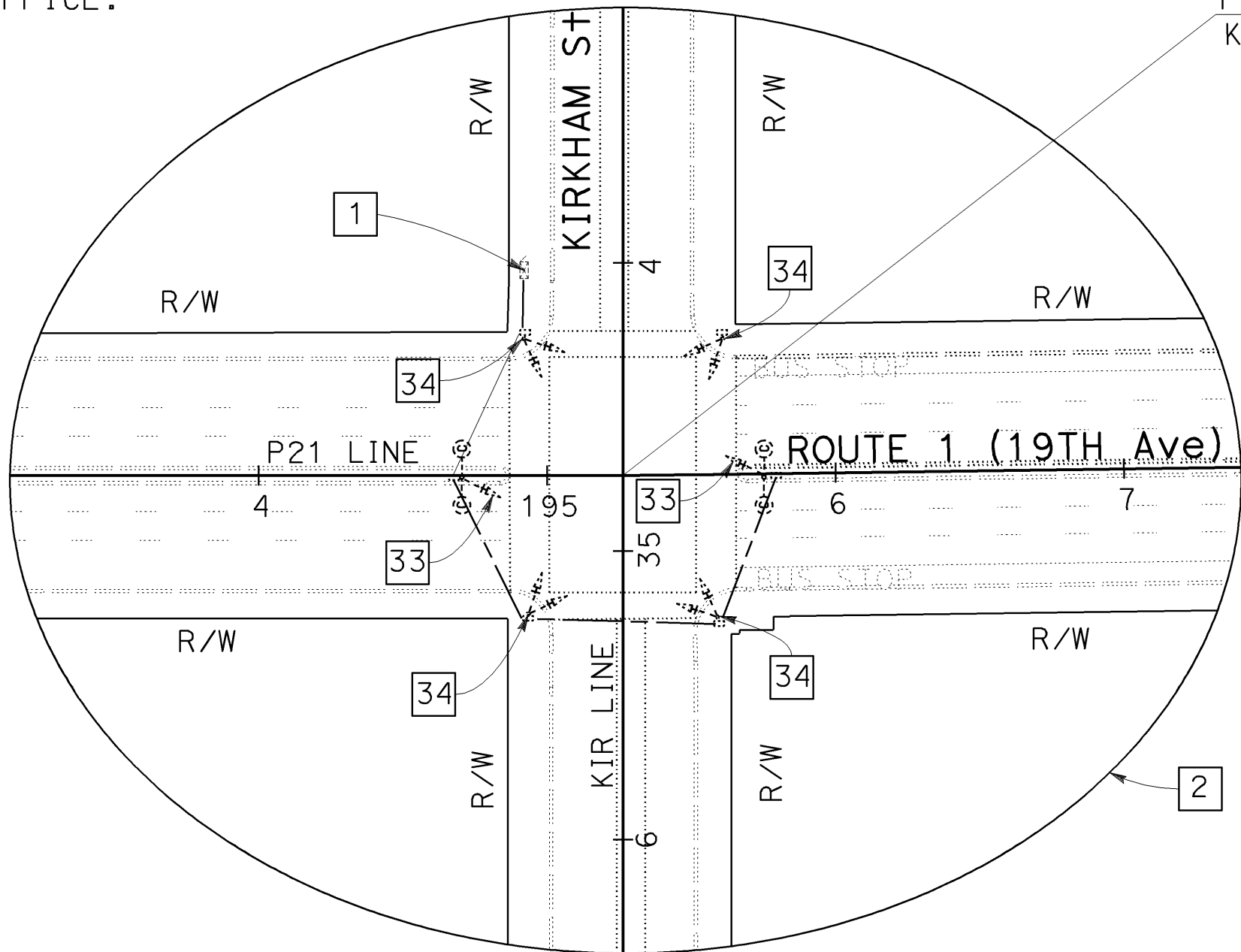


I:\11scd\asbui\its\done\162524\416252ua017.asb

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

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



SCALE: 1"=50'

R/W

3

P21 195+26.19 POT=
KIR 34+73.67

SEE SHEET E-44

PG&E

03611

PEU

03631

PEU

03651

PEU

03641

PEU

03621

PEU

03641

PEU

03641

PEU

03641

PEU

03641

PEU

03641

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PEU

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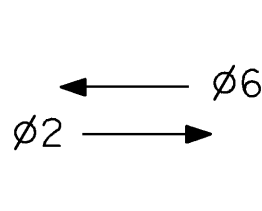
PEU

03641

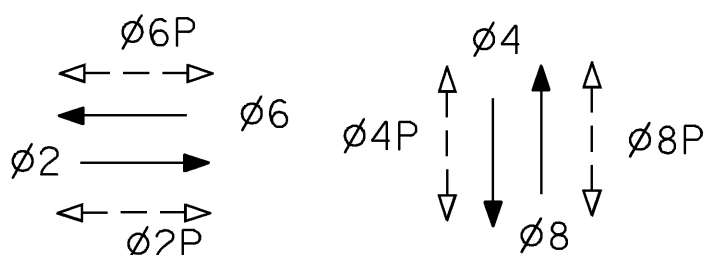
PEU

SYSTEM No. 34-001-03641 (PG&E)
UNDERGROUND SERVICE(120/240 V)

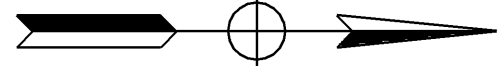
NEW LOAD:
5-200 W HPS LUMINAIRES
1000 W TRAFFIC SIGNAL



EXISTING PHASE DIAGRAM



PROPOSED PHASE DIAGRAM



KIRKHAM ST

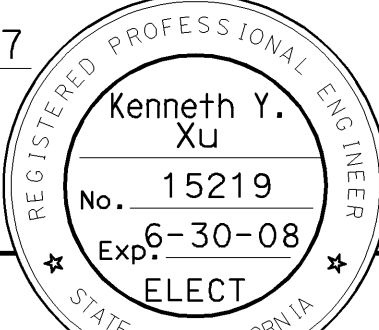
SCALE: 1"=20'

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY

RELATIVE BORDER SCALE
IS IN INCHES

0 1 2 3

USERNAME => s135696
DGN FILE => 416252ua017.asb

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SF	1	R0.7/5.8	87	134
Kenneth Y. Xu			10-24-07		
REGISTERED ELECTRICAL ENGINEER			DATE		
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.					

Signal Switch Over on 05-13-2009

P21 195+26.19 POT=
KIR 34+73.67

EXISTING EQUIPMENT TO BE REMOVED AND SALVAGED

1 TYPE "M" INTERSECTION CONTROLLER ASSEMBLY

R/W

ROUTE 1 (19TH Ave)

R/W

AS BUILT

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

MODIFY SIGNAL AND LIGHTING
(LOCATION No. 9)

ROUTE 1 / KIRKHAM STREET

E-17

I:\11scd\asbui\its\done\162524\416252ua018.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

Dist

COUNTY

ROUTE

POST MILES
TOTAL PROJECT

SHEET
No.

TOTAL
SHEETS

04

SF

1

R0.7/5.8

88

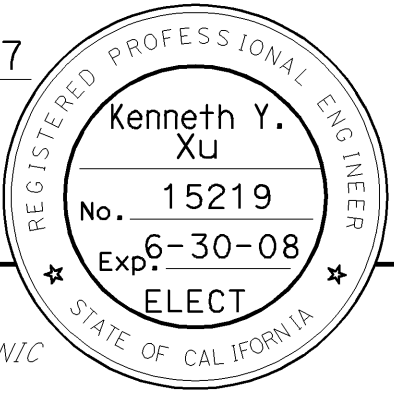
134

 10-24-07
REGISTERED ELECTRICAL ENGINEER DATE

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.



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

CONDUCTOR SCHEDULE

CONDUCTOR DESIGNATION	NUMBER OF CONDUCTORS													
	RUN NUMBER													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
No. 14 CONDUCTORS														
ø21, ø24, ø25	6	6	6	9	9	9	9							
ø41, ø42, ø45		3	6	6	6	9	9							
ø61, ø64, ø65					6	9	9	3	3					
ø81, ø82, ø85		3	3	3	3	9	9	3						
ø28, ø29	2	2	2	4	4	4	4							
ø48, ø49			2	2	2	4	4							
ø68, ø69					2	4	4	2	2					
ø88, ø89		2	2	2	2	4	4	2						
PPB(ø28, ø29)	2+	4+	4+	4+	4+	4+				+				
PPB(4ø8, ø49)	4		2+	4+	4+	4+	4+				2+			
PPB(ø68, ø69)						4+	4+	2+			1			
PPB(ø88, ø89)	2+	2+	2+	2+	4+	4+	2+	2+	2+					
PPB NEUTRAL	+	+	+	+	+	2	2	+	+	+	+			
SPARE	3	3	3	3	3	6	6	3	3					
TOTAL No. 14	12	22	28	34	42	68	68	16	10	3	3			
	13	23	30	37	47	74	74	17	10	2	3			
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		
4I6L							1					1		
4I8U							1					1		
4I8L							1					1		
8J6L		1	1	1	1	1	1						1	
8J7U		1	1	1	1	1	1						1	
8J8U		1	1	1	1	1	1						1	
8J8L		1	1	1	1	1	1						1	
TOTAL DETECTOR CABLES		4	4	4	4	4	8					4	4	
CONDUIT SIZE	2	2½	3	3	3	2-3	2-3	2	2	1	1	1½	1½	1½

CHANGE

CHANGE

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				
Ⓐ	19-2-100	25	8 4+	MAS	SV-1-T	SP-1-T		200	INSTALL PIPE TENON FOR FUTURE EVD SEE DETAIL 1 ON SHEET E-48.
Ⓑ	1-A				TV-2-T	SP-1-T	28		
Ⓒ	15TS		8 4+		SV-1-T	SP-1-T	29	200	
Ⓓ	1-A				TV-1-T	SP-1-T	48		
Ⓔ	19-2-100	25	4+	MAS	SV-1-T	SP-1-T		200	INSTALL PIPE TENON FOR FUTURE EVD SEE DETAIL 1 ON SHEET E-48.
Ⓕ	15TS				SV-2-TA	SP-1-T	68	200	
Ⓖ	1-A		8		TV-1-T	SP-1-T	69		
Ⓖ	15TS		8 4+		SV-1-T	SP-1-T	88	200	
Ⓘ	PPB POST						89 28		
Ⓙ	PPB POST						49 68		

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. 9)

ROUTE 1 / KIRKHAM STREET

THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY

E-18

BORDER LAST REVISED 3/1/2007

RELATIVE BORDER SCALE
IS IN INCHES

0 1 2 3

USERNAME => s135696
DGN FILE => 416252ua018.asb

CU 04371

EA 162521

LAST REVISION | DATE PLOTTED => 01-NOV-2010
01-13-08 TIME PLOTTED => 13:00