DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	13.2/13.9	393 R3	1204

REGISTERED ELECTRICAL ENGINEER 12/19/02 DATE

12-6-04
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER JENS ERLINGSSON No. 8249 Exp. 9/30/06 ELECTRICAL STATE OF CALIFORNIA

PB POWER, Inc.
A Parsons Brinckerhoff Company
303 Second St., Suite 700N
San Francisco, CA 94107-1317

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REQUEST FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
3	03/30/09	SERVICE PLATFORM ELECTRICAL CHANGES	RR RY	RG MP	55
2	03/04/08	BARRIER MODIFICATIONS	JS BM	RG SE	44
1	02/19/08	ELECTRICAL MODIFICATIONS	MP EL	RR	42

REVISIONS

CONTRACT CHANGE ORDER NO._____
SHEET_____ OF_____

REGISTERED PROFESSIONAL ENGINEER MAXWELL FUMIO TAKAKI No. E 8651 Exp. 9/30/2008 ELECTRICAL STATE OF CALIFORNIA
FOR REVISION ONLY 1

REGISTERED PROFESSIONAL ENGINEER S. A. ESTOQUE, JR No. E-10151 Exp. 12/31/2008 ELECTRICAL STATE OF CALIFORNIA
FOR REVISION ONLY 2

REGISTERED PROFESSIONAL ENGINEER FADI WALIEDDINE No. 11465 Exp. 12/31/2009 ELECTRICAL STATE OF CALIFORNIA
FOR REVISION ONLY 3

CONDUIT DATA

Conduit No	Reference	Size	Type	Total Fill (mm²)	Allowable Fill (mm²)	Included Cable No.	Conductor Type
4505	E-100	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4506	E-100	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4507	E-101	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4508	E-99	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4509	E-99	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
4510	E-99	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
4511	E-100	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4512	E-100	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4513	E-100	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4514	E-100	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4515	E-100	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
4516	E-100	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
4517	E-100	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4518	E-100	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4519	E-100	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4520	E-100	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4521	E-100	53	RGS conduit	481.21	879.42	Pull rope	Soft-Fiber Polyester
						S-1031-4	3 + 1 gnd #4, #8, 600 V, RHH/RHW insulation
						A-1035-4	3 + 1 gnd #6, #8, 600 V, RHH/RHW insulation
4522	E-100	53	RGS conduit	176.28	879.42	Pull rope	Soft-Fiber Polyester
						A-1035-4	3 + 1 gnd #6, #8, 600 V, RHH/RHW insulation
4523	E-100	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4524	E-100	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4525	E-100	53	RGS conduit	324.29	879.42	A-1013-2	1-3/C + gnd #6, 600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
4526	E-100	53	RGS conduit	648.58	879.42	A-1014-2	1-3/C + gnd #6, 600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
						A-1014-2	1-3/C + gnd #6, 600 V, EPR insulation
4527	E-100	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4528	E-100	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4531	E-100	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4532	E-100	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4533	E-100	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
4534	E-100	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
4535	E-100	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4536	E-100	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4537	E-100	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4538	E-100	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4539	E-100	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
4540	E-100	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
4541	E-100	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4542	E-100	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4543	E-100	41	RGS conduit	227.46	534.55	Pull rope	Soft-Fiber Polyester

CONDUIT DATA

Conduit No	Reference	Size	Type	Total Fill (mm²)	Allowable Fill (mm²)	Included Cable No.	Conductor Type
4544	E-100	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4545	E-100	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
4546	E-100	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
4547	E-100	41	RGS conduit	0.00	534.55		
						Pull rope	Soft-Fiber Polyester
4548	E-100	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4549	E-100	41	RGS conduit	537.14	534.55	Pull rope	Soft-Fiber Polyester
						1106	1-3/C + gnd #6, 600 V, EPR insulation
						S-1032-2	3 + 1 gnd #6, #8, 600 V, RHH/RHW insulation
4550	E-100	41	RGS conduit	227.46	534.55	UP108-3	1-2/C + gnd #8, 600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
4551	E-100	53	RGS conduit	690.39	879.42	S-1032-1	1-3/C + gnd #4, 600 V, EPR insulation
						1106	1-3/C + gnd #6, 600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
4552	E-100	53	RGS conduit	227.46	879.42	UP108-3	1-2/C + gnd #8, 600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
4553	E-100	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4554	E-100	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4555	E-100	53	RGS conduit	648.58	879.42	Pull rope	Soft-Fiber Polyester
						A-1014-2	1-3/C + gnd #6, 600 V, EPR insulation
						A-1014-2	1-3/C + gnd #6, 600 V, EPR insulation
5001	E-71A 3	53	Liquidtight Flex. Metal Cond. 3	98.42	879.42	UP205-5	2 + 1 gnd #12,#12, 600 V, RHH/RHW insulation
						UP204-5	2 + 1 gnd #12,#12, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester

For continuation, see next sheet.

CONDUIT AND TRAY SCHEDULE

E-438

CALCULATED/ DESIGNED BY	PBP	DATE 8/02	REVISED BY
CHECKED BY	AB	8/02	DATE REVISED

DESIGN OVERSIGHT
BEHZAD GOLEMOHAMMADI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION 00-00-00
DATE PLOTTED => 3/31/2009
TIME PLOTTED => 2:27:25 PM