DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	13.2/13.9	390R1	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#
1	02/19/08	ELECTRICAL MODIFICATIONS	MP EL	RR	42

REVISIONS

CONTRACT CHANGE ORDER NO._____
SHEET _____ OF _____

REGISTERED PROFESSIONAL ENGINEER MAXWELL FUMIO TAKATA No. E 8651 Exp. 9/30/2008 ELECTRICAL STATE OF CALIFORNIA

FOR REVISION ONLY

Caltrans Metric

CONDUIT DATA

Conduit No	Reference	Size	Type	Total Fill (mm²)	Allowable Fill (mm²)	Included Cable No.	Conductor Type
4311	E-96	41	RGS conduit	126.88	534.55	UP104-3	1-2/c + gnd #10,600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
4312	E-96	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4313	E-96	78	RGS conduit	1020.16	1935.24	Pull rope	Soft-Fiber Polyester
						S-1031-1	1-3/c + gnd #2,600 V, EPR insulation
						UP104-3	1-2/c + gnd #10,600 V, EPR insulation
						A-1035-3	1-3/c + gnd #6,600 V, EPR insulation
4314	E-96	53	RGS conduit	648.58	879.42	S-1031-3	1-3/c + gnd #6,600 V, EPR insulation
						A-1035-3	1-3/c + gnd #6,600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
4315	E-96	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4316	E-96	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4317	E-96	53	RGS conduit	851.47	879.42	A-1011-1	1-3/c + gnd #2,600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
						A-1011-2	1-3/c + gnd #6,600 V, EPR insulation
4320	E-96	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
4321	E-96	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4322	E-96	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4323	E-96	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
4324	E-96	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
4325	E-96	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4326	E-96	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4327	E-96	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4328	E-96	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4329	E-96	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4330	E-96	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4331	E-96	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4332	E-96	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4333	E-97	41	RGS conduit	212.85	534.55	Pull rope	Soft-Fiber Polyester
						A-3002-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
4334	E-97	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4335	E-97	53	RGS conduit	366.10	879.42	Pull rope	Soft-Fiber Polyester
						A-3002-1	1-3/c + gnd #4,600 V, EPR insulation
4336	E-97	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
4337	E-97	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4338	E-97	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4339	E-97	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4340	E-97	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4341	E-97	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
4342	E-97	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
4343	E-97	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4344	E-97	41	RGS conduit	0.00	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
4345	E-119	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
4351	E-97	41	RGS conduit	227.46	534.55	Pull rope	Soft-Fiber Polyester
						UP105-2	1-2/c + gnd #8,600 V, EPR insulation
4352	E-97	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4353	E-97	53	RGS conduit	227.46	879.42	Pull rope	Soft-Fiber Polyester
						UP105-2	1-2/c + gnd #8,600 V, EPR insulation
4354	E-97	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
4355	E-97	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4356	E-97	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4357	E-97	41	RGS conduit	466.61	534.55	UP205-1	1-2/c + gnd #10,600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
						UP105-3	1-2/c + gnd #10,600 V, EPR insulation
						A-3009-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
4358	E-97	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4359	E-97	53	RGS conduit	451.17	879.42	A-3009-3	1-3/c + gnd #6,600 V, EPR insulation
						UP205-1	1-2/c + gnd #10,600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
4360	E-97	53	RGS conduit	527.18	879.42	Pull rope	Soft-Fiber Polyester
						A-3009-1	1-3/c + gnd #2,600 V, EPR insulation
4361	E-97	41	RGS conduit	98.10	534.55	Pull rope	Soft-Fiber Polyester
						1143	1 - 2 pair, shielded #18 with IS/OA, 300 V, PVC jacket
4362	E-97	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
4363	E-97	41	RGS conduit	324.29	534.55	A-3009-3	1-3/c + gnd #6,600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
4364	E-97	41	RGS conduit	212.85	534.55	A-3003-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester
4365	E-97	53	RGS conduit	324.29	879.42	A-3009-3	1-3/c + gnd #6,600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
4366	E-97	53	RGS conduit	366.10	879.42	A-3003-1	1-3/c + gnd #4,600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
4367	E-97	41	RGS conduit	98.10	534.55	Pull rope	Soft-Fiber Polyester
						1142	1 - 2 pair, shielded #18 with IS/OA, 300 V, PVC jacket
4368	E-97	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester

For continuation, see next sheet.

CONDUIT AND TRAY SCHEDULE

E-435

REVISED BY	DATE REVISED

CALCULATED/DESIGNED BY	CHECKED BY
PBP	AB

DATE 8/02 8/02

DESIGN OVERSIGHT
BEHZAD GOLEMOHAMMADI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION 00-00-00
DATE PLOTTED => 4/4/2008
TIME PLOTTED => 5:11:33 PM