DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	13.2/13.9	397R1	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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Caltrans Metric

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 MANNELL FUMIO TAKAKI No. E 8651 Exp. 9/30/2008 ELECTRICAL STATE OF CALIFORNIA

FOR REVISION ONLY

CONDUIT DATA

Conduit No	Reference	Size	Type	Total Fill (mm²)	Allowable Fill (mm²)	Included Cable No.	Conductor Type
5312	E-181	41	RGS conduit	0.00 (1)	534.55	Pull rope	Soft-Fiber Polyester
5313	E-181	78	RGS conduit	654.06	1935.24	UP204-1	1-2/C + gnd #10, 600 V, EPR insulation
						S-2031-1	1-3/C + gnd #2, 600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
5314	E-181	53	RGS conduit	648.58	879.42	A-2035-1	1-3/C + gnd #6, 600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
5315	E-181	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
5316	E-181	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
5317	E-181	78	RGS conduit	527.18	1935.24	A-2011-1	1-3/C + gnd #2, 600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
5320	E-185	78	RGS conduit	0.00	1935.24	Pull rope	Soft-Fiber Polyester
5321	E-181	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
5322	E-181	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
5323	E-181	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
5324	E-181	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
5325	E-181	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
5326	E-181	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
5333	E-182	41	RGS conduit	212.85	534.55	Pull rope	Soft-Fiber Polyester
						LP220-2,4A	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
5334	E-182	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
5335	E-182	53	RGS conduit	324.29	879.42	Pull rope	Soft-Fiber Polyester
						LP220-2,4	1-3/C + gnd #6, 600 V, EPR insulation
5336	E-182	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
5337	E-182	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
5338	E-182	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
5346	E-185	53	RGS conduit	366.10	879.42	Pull rope	Soft-Fiber Polyester
						A-3031-1	1-3/C + gnd #4, 600 V, EPR insulation
5347	E-185	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
5348	E-181	41	RGS conduit	212.85	534.55	Pull rope	Soft-Fiber Polyester
						A-3031-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
5349	E-181	41	RGS conduit	212.85	534.55	Pull rope	Soft-Fiber Polyester
						A-2011-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
5350	E-185	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
5351	E-182	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
5352	E-182	41	RGS conduit	212.85	534.55	Pull rope	Soft-Fiber Polyester
						LP220-6,8A	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
5353	E-182	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
5354	E-182	53	RGS conduit	324.29	879.42	Pull rope	Soft-Fiber Polyester
						LP220-6,8	1-3/C + gnd #6, 600 V, EPR insulation
5355	E-182	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
5356	E-182	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
5357	E-182	41	RGS conduit	212.85	534.55	A-3039-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester
5358	E-182	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
5359	E-182	53	RGS conduit	851.47	879.42	A-3039-3	1-3/C + gnd #6, 600 V, EPR insulation
						A-3039-1	1-3/C + gnd #2, 600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
5360	E-182	53	RGS conduit	648.58	879.42	Pull rope	Soft-Fiber Polyester
						A-3039-3	1-3/C + gnd #6, 600 V, EPR insulation
						A-3040-3	1-3/C + gnd #6, 600 V, EPR insulation

CONDUIT DATA

Conduit No	Reference	Size	Type	Total Fill (mm²)	Allowable Fill (mm²)	Included Cable No.	Conductor Type
5363	E-182	41	RGS conduit	212.85	534.55	A-2012-2	3 + 1 gnd #6, #8, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester
5364	E-182	41	RGS conduit	227.46	534.55	Pull rope	Soft-Fiber Polyester
						UP205-4	1-2/C + gnd #8,600 V, EPR insulation
5365	E-182	53	RGS conduit	227.46	879.42	UP205-4	1-2/C + gnd #8,600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
5366	E-182	53	RGS conduit	527.18	879.42	A-2012-1	1-3/C + gnd #2, 600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
5367	E-182	53	RGS conduit	196.20	879.42	2155	1 - 2 pair, shielded #18 with IS/OA , 300V, PVC jacket
						Pull rope	Soft-Fiber Polyester
						2146	1 - 2 pair, shielded #18 with IS/OA , 300V, PVC jacket
5368	E-182	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
5369	E-182	53	RGS conduit	227.46	879.42	Pull rope	Soft-Fiber Polyester
						UP205-2	1-2/C + gnd #8,600 V, EPR insulation
5370	E-182	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
5371	E-182	53	RGS conduit	227.46	879.42	UP205-2	1-2/C + gnd #8,600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
5372	E-182	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
5373	E-182	53	RGS conduit	98.10	879.42	2145	1 - 2 pair, shielded #18 with IS/OA, 300V, PVC jacket
						Pull rope	Soft-Fiber Polyester
5374	E-182	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
5375	E-182	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
5378	E-185	78	RGS conduit	0.00	1935.24	Pull rope	Soft-Fiber Polyester
5379	E-185	78	RGS conduit	0.00	1935.24	Pull rope	Soft-Fiber Polyester
5380	E-182	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
5381	E-182	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
5382	E-182	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
5383	E-182	78	RGS conduit	0.00	1935.24	Pull rope	Soft-Fiber Polyester
5384	E-182	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
5385	E-182	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
5386	E-182	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
5387	E-182	41	RGS conduit	212.85	534.55	A-3040-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester

For continuation, see next sheet.

CONDUIT AND TRAY SCHEDULE

E-442

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT
BEHZAD GOLEMOHAMMADI

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

LAST REVISION 00-00-00
DATE PLOTTED => 4/4/2008
TIME PLOTTED => 5:13:03 PM

FOR REDUCED PLANS ORIGINAL SCALE IS IN MILLIMETERS 0 20 40 60 80

DGN FILE =>T:\13103\MS\pse\SAS Struc\CCO\SAS CCO42\04-0120f1_0397R01.dgn
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