DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	13.2/13.9	400 R1	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

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

FOR REVISION ONLY

REQUEST FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE

MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
1	03/04/08	BARRIER MODIFICATIONS	JS BM	RG SE	44

REVISIONS

CONTRACT CHANGE ORDER NO._____
SHEET_____ OF _____

CONDUIT DATA

Conduit No	Reference	Size	Type	Total Fill (mm²)	Allowable Fill (mm²)	Included Cable No.	Conductor Type
5529	E-185	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
5530	E-185	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
5531	E-185	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
5532	E-185	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
5533	E-185	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
5534	E-185	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
5535	E-185	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
5536	E-185	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
5537	E-185	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
5543	E-185	41	RGS conduit	212.85	534.55	Pull rope	Soft-Fiber Polyester
				1		LP223-2,4A	3 + 1 gnd #6, #8, 600 V, RHH/RHW insulation 1
5544	E-185	41	RGS conduit	212.85	534.55	Pull rope	Soft-Fiber Polyester
						LP223-6,8A	3 + 1 gnd #6, #8, 600 V, RHH/RHW insulation
5545	E-185	53	RGS conduit	324.29	879.42	Pull rope	Soft-Fiber Polyester
						UP208-4A	1-2/C+gnd #8 ,600V, EPR insulation
				1		LP223-2,4	1-3/C +gnd #6, 600 V, EPR insulation 1
5546	E-212	103	RGS conduit	2780.99	3324.51	2391	3-1/C #4/0 + 1/C #1/0 gnd, 15 kV, EPR insulation
						Pull rope	Soft-Fiber Polyester
5547	E-185	53	RGS conduit	0.00	879.42		1
				1		Pull rope	Soft-Fiber Polyester
5548	E-185	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
5549	E-185	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
5550	E-185	41	RGS conduit	0.00	534.55		1
				1		Pull rope	Soft-Fiber Polyester
5551	E-185	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
5552	E-185	53	RGS conduit	0.00	879.42		
				1		UP208-2A	1-2/C + gnd #8, 600 V, EPR insulation 1
						Pull rope	Soft-Fiber Polyester
5553	E-185	53	RGS conduit	98.10	879.42	Pull rope	Soft-Fiber Polyester
				1		2148	1 - 2 pair, shielded #18 with IS/OA, 300 V, PVC jacket 1
5554	E-185	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
5555	E-185	41	RGS conduit	527.18	534.55	A-2014-1	1-3/C + gnd #2, 600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
5556	E-185	53	RGS conduit	324.29	879.42	LP223-6,8	1-3/C + gnd #6, 600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
5557	E-186	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
5558	E-186	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
5597	E-185	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
7403	E-139	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
8001	E-293	41	RGS-PVC coated conduit	227.46	534.55	Pull rope	Soft-Fiber Polyester
						1201-6	1-2/C + gnd #8, 600 V, EPR insulation
8002	E-293	41	RGS-PVC coated conduit	454.92	534.55	1201-6	1-2/C +gnd #8, 600 V, EPR insulation
						1201-2	1-2/C + gnd #8, 600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester

CONDUIT DATA

Conduit No	Reference	Size	Type	Total Fill (mm²)	Allowable Fill (mm²)	Included Cable No.	Conductor Type
8003	E-293	21	RGS-PVC coated conduit	126.88	187.69	Pull rope	Soft-Fiber Polyester
						2204-3	1-2/C + gnd #10, 600 V, EPR insulation
8004	E-293	41	RGS-PVC coated conduit	227.46	534.55	1201-1	1-2/C + gnd #8, 600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
8005	E-293	41	RGS-PVC coated conduit	151.82	534.55	2204-5	1-3/C #12, 600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
						UP210-3	2 + 1 gnd #12, #12, 600 V, RHH/RHW insulation
8006	E-293	53	RGS-PVC coated conduit	506.16	879.42	UP210-3	2 + 1 gnd #12, #12, 600 V, RHH/RHW insulation
						2204-3	1-2/C + gnd #10, 600 V, EPR insulation
						1201-1	1-2/C + gnd #8, 600n V, EPR insulation
						2204-5	1-3/C #12, 600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
8007	E-293	53	RGS-PVC coated conduit	506.16	879.42	UP210-3	2 + 1 gnd #12, #12, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester
						1201-1	1-2/C + gnd #8, 600 V, EPR insulation
						2204-3	1-2/C + gnd #10, 600 V, EPR insulation
						2204-5	1-3/C #12, 600 V, EPR insulation
8008	E-293	53	RGS-PVC coated conduit	449.86	879.42	2204-3	1-2/C + gnd #10, 600 V, EPR insulation
						2204-2	1-3/C #16, 600 V, EPR insulation
						2204-1	1-3/C #16, 600 V, EPR insulation
						UP210-1	2 + 1 gnd #8, #10, 600 V RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester
						2204-5	1-3/C #12, 600V , EPR insulation
8009	E-293	41	RGS-PVC coated conduit	454.92	534.55	1201-2	1-2/C + gnd #8, 600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
						1201-6	1-2/C + gnd #8, 600 V, EPR insulation
8010	E-293	41	RGS-PVC coated conduit	227.46	534.55	Pull rope	Soft-Fiber Polyester
						1201-2	1-2/C + gnd #8, 600 V, EPR insulation
8011	E-264A, E-293	41	RGS-PVC coated conduit	344.86	534.55	1201-1	1-2/C + gnd #8, 600 V, EPR insulation
						2204-1	1-3/C #16, 600 V, EPR insulation
						2204-2	1-3/C #16, 600 V, EPR insulation
8012	E-293	41	RGS-PVC coated conduit	145.44	534.55	Pull rope	Soft-Fiber Polyester
						UP210-3	2 + 1 gnd #12, #12, 600 V, RHH/RHW insulation
						UP210-1	2 + 1 gnd #8, #10, 600 V, RHH/RHW insulation
8013	E-294	21	RGS-PVC coated conduit	227.46	187.69	2201-6	1-2/C + gnd #8, 600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
8014	E-264A, E-293	41	RGS-PVC coated conduit	441.44	534.55	1201-6	1-2/C + gnd #8, 600 V, EPR insulation
						1201-2	1-2/C + gnd #8, 600 V, EPR insulation
8100	E-294	41	RGS-PVC coated conduit	227.46	534.55	Pull rope	Soft-Fiber Polyester
						2201-1	1-2/C + gnd #8, 600 V, EPR insulation

For continuation, see next sheet.

CONDUIT AND TRAY SCHEDULE

E-445

REVISED BY	DATE REVISED
PBP	8/02

CALCULATED/ DESIGNED BY	DATE 8/02
CHECKED BY	AB

DESIGN OVERSIGHT
BEHZAD GOLEMOHAMMADI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION 00-00-00
DATE PLOTTED => 4/18/2008
TIME PLOTTED => 1:19:10 PM

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

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