DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	13.2/13.9	396 R3	1204

REGISTERED ELECTRICAL ENGINEER 12/19/02 DATE

12-6-04
PLANS APPROVAL DATE

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

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

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.

Caltrans now has a web site! To get to the web site, go to http://www.dot.ca.gov

Caltrans Metric

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
5251	E-116	78	RGS conduit 3	0.00	1935.24	Pull rope	Soft-Fiber Polyester
5261	E-117	78	RGS conduit	648.58	1935.24	LP222-2,4	1-3/C + gnd #6, 600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
						LP222-6,8	1-3/C + gnd #6, 600 V, EPR insulation
5262	E-117	78	RGS conduit	0.00	1935.24	Pull rope	Soft-Fiber Polyester
5263	E-117	53 3	RGS conduit	527.18	879.42 3	2098	1-3/C + gnd #2, 600 V, EPR insulation 3
						Pull rope	Soft-Fiber Polyester 3
5264	E-117	78	RGS conduit	0.00	1935.24	Pull rope	Soft-Fiber Polyester
5265	E-117	53 3	RGS conduit	527.18	879.42 3	Pull rope	Soft-Fiber Polyester
						2106	1-3/C + gnd #2, 600 V, EPR insulation
5266	E-117	78	RGS conduit	0.00	1935.24	Pull rope	Soft-Fiber Polyester
5267	E-117	78	RGS conduit	1201.71	1935.24	Pull rope	Soft-Fiber Polyester
						1474-8	50 pair #18, shielded pairs, IS/OS shield 600 V, XLPE insul., PVC jacket
5269	E-117	78	RGS-PVC coated conduit	30.19	1935.24	2475-3C	12 Fiber, single mode fiberoptic cable
						Pull rope	Soft-Fiber Polyester
5270	E-117	78	RGS conduit 3	1201.71	1935.24	Pull rope	Soft-Fiber Polyester
						1473-7	50 pair #18, shielded pairs, IS/OS shield 600 V, XLPE insul., PVC jacket
5271	E-117	78	RGS conduit	1201.71	1935.24	Pull rope	Soft-Fiber Polyester
						1474-7	50 pair #18, shielded pairs, IS/OS shield 600 V, XLPE insul., PVC jacket
5272	E-117	78	RGS conduit	1201.71	1935.24	1473-8	50 pair #18, shielded pairs, IS/OS shield 600 V, XLPE insul., PVC jacket
						Pull rope	Soft-Fiber Polyester
5273	E-117	53	RGS conduit	0.00	1935.24	Pull rope	Soft-Fiber Polyester
5274	E-117	78	RGS conduit	150.44	1935.24	MVDSE03A	MVDS DLC
						Pull rope	Soft-Fiber Polyester
5275	E-118	78	RGS conduit	1201.71	1935.24	2474-10	50 pair #18, shielded pairs, IS/OS shield 600 V, XLPE insul., PVC jacket
						Pull rope	Soft-Fiber Polyester
5276	E-118	78	RGS conduit	0.00	1935.24	Pull rope	Soft-Fiber Polyester
5277	E-118	78	RGS conduit	1201.71	1935.24	1473-8	50 pair #18, shielded pairs, IS/OS shield 600 V, XLPE insul., PVC jacket
						Pull rope	Soft-Fiber Polyester
5281	E-118	78	RGS conduit	307.37	1935.24	2210-5	1-3/C #14, 600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
						2201-3	1-3/C #14, 600 V, EPR insulation
						2201-4	1-9/C #16, 600 V, EPR insulation
5282	E-118	78	RGS conduit	98.10	1935.24	S-3056-9	1-4/C #14, 600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
5283	E-118	53 3	RGS conduit	527.18	879.42 3	UP208-8	1-2/C + gnd #8, 600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
						2099	1-3/C + gnd #2, 600 V, EPR insulation
5284	E-118	53 3	RGS conduit	682.38	1935.24	UP208-2	1-2/C + gnd #8, 600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
						UP208-4	1-2/C + gnd #8, 600 V, EPR insulation
						UP208-6	1-2/C + gnd #8, 600 V, EPR insulation
5285	E-118	78	RGS conduit	527.18	1935.24	2107	1-3/C + gnd #2, 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
5286	E-118	78	RGS conduit	1299.81	1935.24	2154	1 - 2 pair, shielded #18 with IS/OA, 300 V, PVC jacket
						1474-10	50 pair #18, shielded pairs, IS/OS shield 600 V, XLPE insul., PVC jacket
		3				Pull rope	Soft-Fiber Polyester
5287	E-118	53	RGS conduit	0.00	1935.24	Pull rope	Soft-Fiber Polyester
5289	E-118	78	RGS conduit 3	1201.71	1935.24	Pull rope	Soft-Fiber Polyester
						1473-10	50 pair #18, shielded pairs, IS/OS shield 600 V, XLPE insul., PVC jacket
5290	E-118	78	RGS conduit 3	1519.51	1935.24	1474-8A	1 - 6 pair, shielded #18 with overall shield, 300 V, PVC jacket
						1474-8B	1 - 6 pair, shielded #18 with overall shield, 300 V, PVC jacket
						1474-8	50 pair #18, shielded pairs, IS/OS shield 600 V, XLPE insul., PVC jacket
						Pull rope	Soft-Fiber Polyester
5299	E-182	41	RGS conduit	425.70	534.55	A-3032-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
						A-3033-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
					3	Pull rope	Soft-Fiber Polyester
5301	E-181	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
5302	E-181	41	RGS conduit	0.00	534.55	Pull rope	Soft-Fiber Polyester
5303	E-181	53	RGS conduit	648.58	879.42	A-3040-3	1-3/C + gnd #6, 600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
						A-3039-3	1-3/C + gnd #6, 600 V, EPR insulation
5304	E-181	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
5305	E-181	41	RGS conduit	212.85	534.55	Pull rope	Soft-Fiber Polyester
						LP219-2,4A	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
5306	E-181	41	RGS conduit	440.31	534.55	UP205-6	1-2/C + gnd #8, 600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
						LP219-6,8A	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
5307	E-181	53	RGS conduit	324.29	879.42	LP219-2,4	1-3/C + gnd #6, 600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
5308	E-181	53	RGS conduit	551.75	879.42	UP205-6	1-2/C + gnd #8, 600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
						LP219-6,8	1-3/C + gnd #6, 600 V, EPR insulation
5309	E-181	53	RGS conduit	98.10	879.42	Pull rope	Soft-Fiber Polyester
						2155	1 - 2 pair, shielded #18 with IS/OA, 300 V, PVC jacket
5310	E-181	53	RGS conduit	0.00	879.42	Pull rope	Soft-Fiber Polyester
5311	E-181	41	RGS conduit	126.88	534.55	S-2031-2	3 + 1 gnd #6,#8, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester
						UP204-1	1-2/C + gnd #10, 600 V, EPR insulation

For continuation, see next sheet.

CONDUIT AND TRAY SCHEDULE

E-441

REVISED BY	DATE REVISED
PBP	AB
DATE 8/02	8/02

CALCULATED/DESIGNED BY — CHECKED BY

DESIGN OVERSIGHT — BEHZAD GOLEMOHAMMADI

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

LAST REVISION 00-00-00 — DATE PLOTTED => 3/31/2009 TIME PLOTTED => 2:25:42 PM

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

DGN FILE =>T:\13103\MS\pse\SAS Struc\CCO\SAS CCO55\04-0120f1_0396R03.dgn
USERNAME =>garciar

CU 04251 — EA 0120F1