DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	13.2/13.9	388 R2	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#
2	12/22/08	SERVICE PLATFORM ELECTRICAL CHANGES	RR RY	RG MP	55
1	03/04/08	BARRIER MODIFICATIONS	JS BM	RG	44

REVISIONS

CONTRACT CHANGE ORDER NO._____
SHEET_____ OF _____

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

FOR REVISION ONLY 1

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

FOR REVISION ONLY 2

CONDUIT DATA

Conduit No	Reference	Size	Type	Total Fill (mm²)	Allowable Fill (mm²)	Included Cable No.	Conductor Type
4172	E-99	78	RGS conduit	851.47	1935.24	A-1013-2	1-3/c + gnd #6,600 V, EPR insulation
						A-1013-1	1-3/c + gnd #2,600V, EPR insulation
						2 Pull rope	Soft-Fiber Polyester
4173	E-99	78	RGS conduit	648.58	1935.24	A-1013-2	1-3/c + gnd #6,600 V, EPR insulation
						A-1013-2	1-3/c + gnd #6,600 V, EPR insulation
						2 Pull rope	Soft-Fiber Polyester
4174	E-99	78	RGS conduit	648.58	1935.24	A-1013-2	1-3/c + gnd #6,600 V, EPR insulation
						A-1013-2	1-3/c + gnd #6,600 V, EPR insulation
						2 Pull rope	Soft-Fiber Polyester
4175	E-99	78	RGS conduit	648.58	1935.24	A-1013-2	1-3/c + gnd #6,600 V, EPR insulation
						A-1013-2	1-3/c + gnd #6,600 V, EPR insulation
						2 Pull rope	Soft-Fiber Polyester
4176	E-99	78	RGS conduit	648.58	1935.24	A-1013-2	1-3/c + gnd #6,600 V, EPR insulation
						A-1013-2	1-3/c + gnd #6,600 V, EPR insulation
						2 Pull rope	Soft-Fiber Polyester
4177	E-99	78	RGS conduit	648.58	1935.24	A-1013-2	1-3/c + gnd #6,600 V, EPR insulation
						A-1013-2	1-3/c + gnd #6,600 V, EPR insulation
						2 Pull rope	Soft-Fiber Polyester
4178	E-99	78	RGS conduit	648.58	1935.24	A-1013-2	1-3/c + gnd #6,600 V, EPR insulation
						A-1013-2	1-3/c + gnd #6,600 V, EPR insulation
						2 Pull rope	Soft-Fiber Polyester
4179	E-99	78	RGS conduit	648.58	1935.24	A-1013-2	1-3/c + gnd #6,600 V, EPR insulation
						A-1013-2	1-3/c + gnd #6,600 V, EPR insulation
						2 Pull rope	Soft-Fiber Polyester
4180	E-99	78	RGS conduit	648.58	1935.24	A-1013-2	1-3/c + gnd #6,600 V, EPR insulation
						A-1013-2	1-3/c + gnd #6,600 V, EPR insulation
						2 Pull rope	Soft-Fiber Polyester
4181	E-99	78	RGS conduit	648.58	1935.24	A-1013-2	1-3/c + gnd #6,600 V, EPR insulation
						A-1013-2	1-3/c + gnd #6,600 V, EPR insulation
						2 Pull rope	Soft-Fiber Polyester
4182	E-99	78	RGS conduit	648.58	1935.24	A-1013-2	1-3/c + gnd #6,600 V, EPR insulation
						A-1013-2	1-3/c + gnd #6,600 V, EPR insulation
						2 Pull rope	Soft-Fiber Polyester
4183	E-99	78	RGS conduit	648.58	1935.24	A-1013-2	1-3/c + gnd #6,600 V, EPR insulation
						A-1013-2	1-3/c + gnd #6,600 V, EPR insulation
						2 Pull rope	Soft-Fiber Polyester
4184	E-100	78	RGS conduit	648.58	1935.24	A-1013-2	1-3/c + gnd #6,600 V, EPR insulation
						A-1013-2	1-3/c + gnd #6,600 V, EPR insulation
						2 Pull rope	Soft-Fiber Polyester
4185	E-100	78	RGS conduit	851.47	1935.24	A-1014-2	1-3/c + gnd #6,600 V, EPR insulation
						A-1014-1	1-3/c + gnd #2,600V, EPR insulation
						2 Pull rope	Soft-Fiber Polyester
4186	E-100	78	RGS conduit	648.58	1935.24	A-1014-2	1-3/c + gnd #6,600 V, EPR insulation
						A-1014-2	1-3/c + gnd #6,600 V, EPR insulation
						2 Pull rope	Soft-Fiber Polyester
4187	E-100	78	RGS conduit	648.58	1935.24	A-1014-2	1-3/c + gnd #6,600 V, EPR insulation
						A-1014-2	1-3/c + gnd #6,600 V, EPR insulation
						2 Pull rope	Soft-Fiber Polyester
4188	E-100	78	RGS conduit	648.58	1935.24	A-1014-2	1-3/c + gnd #6,600 V, EPR insulation
						A-1014-2	1-3/c + gnd #6,600 V, EPR insulation
						2 Pull rope	Soft-Fiber Polyester
4189	E-100	78	RGS conduit	648.58	1935.24	A-1014-2	1-3/c + gnd #6,600 V, EPR insulation
						A-1014-2	1-3/c + gnd #6,600 V, EPR insulation
						2 Pull rope	Soft-Fiber Polyester
4190	E-100	78	RGS conduit	648.58	1935.24	A-1014-2	1-3/c + gnd #6,600 V, EPR insulation
						A-1014-2	1-3/c + gnd #6,600 V, EPR insulation
						2 Pull rope	Soft-Fiber Polyester
4191	E-100	78	RGS conduit	648.58	1935.24	A-1014-2	1-3/c + gnd #6,600 V, EPR insulation
						A-1014-2	1-3/c + gnd #6,600 V, EPR insulation
						2 Pull rope	Soft-Fiber Polyester
4192	E-96	78	RGS conduit	648.58	1935.24	A-1014-2	1-3/c + gnd #6,600 V, EPR insulation
						A-1014-2	1-3/c + gnd #6,600 V, EPR insulation
						2 Pull rope	Soft-Fiber Polyester
4193	E-97	78	RGS conduit	648.58	1935.24	A-1012-2	1-3/c + gnd #6,600 V, EPR insulation
						A-1012-2	1-3/c + gnd #6,600 V, EPR insulation
						2 Pull rope	Soft-Fiber Polyester
4194	E-101	78	RGS conduit	648.58	1935.24	A-1014-2	1-3/c + gnd #6,600 V, EPR insulation
						A-1014-2	1-3/c + gnd #6,600 V, EPR insulation
						2 Pull rope	Soft-Fiber Polyester
4195	E-101	78	RGS conduit	648.58	1935.24	A-1014-2	1-3/c + gnd #6,600 V, EPR insulation
						A-1014-2	1-3/c + gnd #6,600 V, EPR insulation
						2 Pull rope	Soft-Fiber Polyester
4196	E-101	78	RGS conduit	648.58	1935.24	A-1014-2	1-3/c + gnd #6,600 V, EPR insulation
						A-1014-2	1-3/c + gnd #6,600 V, EPR insulation
						2 Pull rope	Soft-Fiber Polyester
4197	E-101	78	RGS conduit	648.58	1935.24	A-1014-2	1-3/c + gnd #6,600 V, EPR insulation
						A-1014-2	1-3/c + gnd #6,600 V, EPR insulation
						2 Pull rope	Soft-Fiber Polyester

CONDUIT DATA

Conduit No	Reference	Size	Type	Total Fill (mm²)	Allowable Fill (mm²)	Included Cable No.	Conductor Type
4198	E-101	78	RGS conduit	648.58	1935.24	A-1014-2	1-3/c + gnd #6,600 V, EPR insulation
						A-1014-2	1-3/c + gnd #6,600 V, EPR insulation
						2 Pull rope	Soft-Fiber Polyester
4199	E-101	78	RGS conduit	324.29	1935.24	A-1014-2	1-3/c + gnd #6,600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
4201	E-114	78	RGS conduit 2	62.07	1935.24	Pull rope	Soft-Fiber Polyester 2
						1255-1	1-3/C #16,600 V, EPR insulation
4202	E-114	78	RGS conduit	0.00	1935.24	Pull rope	Soft-Fiber Polyester
4203	E-114	53	RGS conduit	527.18	879.42		2
					2	1095	1-3/c + gnd #2,600 V, EPR insulation
							2
						Pull rope	Soft-Fiber Polyester
							2
4204	E-114	78	RGS conduit 2	0.00	1935.24	Pull rope	Soft-Fiber Polyester
4205	E-114	78	RGS conduit	0.00	1935.24	Pull rope	Soft-Fiber Polyester
4206	E-114	78	RGS conduit	150.44	1935.24	Pull rope	Soft-Fiber Polyester
						MVDSW02A	MVDS DLC
4208	E-114	78	RGS-PVC coated conduit	30.19	1935.24	1475-3A	12 Fiber, single mode fiberoptic cable
						Pull rope	Soft-Fiber Polyester
4221	E-115	78	RGS conduit	946.99	1935.24	UP105-2	1-2/c + gnd #8,600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
						S-3056-7	1-2/C #14,600 V, EPR insulation
						S-3056-5	1-4/C #14,600 V, EPR insulation
						1255-1	1-3/C #16,600 V, EPR insulation
						1255-2	1-3/C #16,600 V, EPR insulation
						1115-2	1-3/C #16,600 V, EPR insulation
						1115-1	1-3/C #14,600 V, EPR insulation
						1202-4	1-3/C #14,600 V, EPR insulation
						1202-2	1-3/C #14,600 V, EPR insulation
						1202-3	1-7/C #16,600 V, EPR insulation
4222	E-115	78	RGS conduit	682.38	1935.24	Pull rope	Soft-Fiber Polyester
						1201-6	1-2/c + gnd #8,600 V, EPR insulation
						1201-2	1-2/c + gnd #8,600 V, EPR insulation
						1201-1	1-2/c + gnd #8,600 V, EPR insulation
4223	E-115	53	RGS conduit	527.18	879.42		2
		2			2		
						Pull rope	Soft-Fiber Polyester
						1096	1-3/c + gnd #2,600 V, EPR insulation
							2

For continuation, see next sheet.

CONDUIT AND TRAY SCHEDULE

E-433

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT: BEHZAD GOLEMOHAMMADI

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

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

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