DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	13.2/13.9	383R1	1204

MARK	DATE	DESCRIPTIONS	BY	CK	CCO
1	8-06-07	Electrical modifications.	MP EL	RR	42

REVISIONS

CONTRACT CHANGE ORDER NO. 42
SHEET ____ OF ____

FOR REVISION ONLY

Caltrans Metric

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

CONDUIT DATA

Conduit No	Reference	Size	Type	Total Fill (mm²)	Allowable Fill (mm²)	Included Cable No.	Conductor Type
3339	E-264, E-264A	78	RGS-PVC coated conduit	1043.76	1935.24	2125	3+1 gnd, #250 kcmil, #1/0,600 V,EPR insulation
3345	E-264	53	RGS-PVC coated conduit	454.92	879.42	Pull rope	Soft-Fiber Polyester
						UP210-10	1-2/C + gnd #8,600 V, EPR insulation
						UP210-11	1-2/C + gnd #8,600 V, EPR insulation
3348	E-264A, E-281	41	RGS-PVC coated conduit	300.88	1935.24	MVDSE02A	MVDS DLC
						MVDSW03A	MVDS DLC
3349	E-264A, E-281	41	RGS-PVC coated conduit	173.82	1935.24	CCTVE01BC	TVC
						CCTVE01BD	TVL
1 3349C	E-281	41					
3350	E-285	78	RGS-PVC coated conduit	2093.43	2564.19	2123-3	1-3/C + gnd #2/0,600 V, EPR insulation
						UP210-1B-14	2 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester
						UP210-1B-13	2 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
3351	E-285	53	RGS-PVC coated conduit	882.89	1935.24	Pull rope	Soft-Fiber Polyester
						2123-3	1-3/C + gnd #2/0,600 V, EPR insulation
1 3351A	E-264	53					
3353	E-285	78	RGS-PVC coated conduit	436.32	1935.24	UP210-1B-12	2 + 1 gnd #12,#12, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester
						UP210-1B-10	2 + 1 gnd #12,#12, 600 V, RHH/RHW insulation
						UP210-1B-8	2 + 1 gnd #12,#12, 600 V, RHH/RHW insulation
3354	E-285	78	RGS-PVC coated conduit	436.32	1935.24	UP210-1B-11	2 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						UP210-1B-7	2 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						UP210-1B-9	2 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester

CONDUIT DATA

Conduit No	Reference	Size	Type	Total Fill (mm²)	Allowable Fill (mm²)	Included Cable No.	Conductor Type
3357	E-285	78	RGS-PVC coated conduit	436.32	1935.24	UP210-1B-5	2 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester
						UP210-1B-1	2 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
						UP210-1B-3	2 + 1 gnd #8,#10, 600 V, RHH/RHW insulation
3358	E-285	78	RGS-PVC coated conduit	436.32	1935.24	UP210-1B-2	2 + 1 gnd #12,#12, 600 V, RHH/RHW insulation
						UP210-1B-6	2 + 1 gnd #12,#12, 600 V, RHH/RHW insulation
						UP210-1B-4	2 + 1 gnd #12,#12, 600 V, RHH/RHW insulation
						Pull rope	Soft-Fiber Polyester
3359	E-264A	41	RGS-PVC coated conduit	173.82	1935.24	CCTVE01AC	TVC
						CCTVE01AD	TVL
1 3359C	E-281	41					
3362	E-285	78	RGS-PVC coated conduit	2081.18	2564.19	2123-2	1-3/C + gnd #2/0,600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
3364	E-285, E-264	53	RGS-PVC coated conduit	979.12	2564.19	2123-2	1-3/C + gnd #2/0,600 V, EPR insulation
						Pull rope	Soft-Fiber Polyester
1 3364A	E-264	53					

For continuation, see next sheet.

CONDUIT AND TRAY SCHEDULE

E-428

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

DESIGN OVERSIGHT
BEHZAD GOLEMOHAMMADI

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

LAST REVISION 00-00-00
DATE PLOTTED => 12/19/2007
TIME PLOTTED => $TIME