CONDUIT DATA

Conduit No	Reference	Size	Type	Total Fill (mm2)	Allowable Fill (mm2)	Included Cable No.	Conductor Type
2T43	E-114B △3	610		10659.55	38709.60	2900-152C	4 pair #22, shielded pairs, FEP insulation
						2900-292A	4 pair #22, shielded pairs, FEP insulation
						2900-272C	4 pair #22, shielded pairs, FEP insulation
						2900-272B	4 pair #22, shielded pairs, FEP insulation
						2900-272A	4 pair #22, shielded pairs, FEP insulation
						2900-192C	4 pair #22, shielded pairs, FEP insulation
						2900-192B	4 pair #22, shielded pairs, FEP insulation
						2900-192A	4 pair #22, shielded pairs, FEP insulation
						2900-172C	4 pair #22, shielded pairs, FEP insulation
						2900-172B	4 pair #22, shielded pairs, FEP insulation
						2900-172A	4 pair #22, shielded pairs, FEP insulation
						1473-6	50 pair #18, shielded pairs, IS/OS shield 600 V, XLPE insul., PVC jacket
						2900-162A	4 pair #22, shielded pairs, FEP insulation
						2900-332C	4 pair #22, shielded pairs, FEP insulation
						2900-152B	4 pair #22, shielded pairs, FEP insulation
						2900-152A	4 pair #22, shielded pairs, FEP insulation
						2900-142A	4 pair #22, shielded pairs, FEP insulation
						2910-8	4 pair #22, shielded pairs, 300 V, PE insulation
						2119-2	4 pair #22, shielded pairs, 300 V, PE insulation
						2475-3C	12 Fiber, single mode fiberoptic cable
						MVDSE03A	MVDS DLC
						MVDSE01A	MVDS DLC
						MVDSE02A	MVDS DLC
						2154	1 - 2 pair, shielded #18 with IS/OA, 300 V, PVC jacket
						2900-162B	4 pair #22, shielded pairs, FEP insulation
						2900-442A	4 pair #22, shielded pairs, FEP insulation
						2474-10	50 pair #18, shielded pairs, IS/OS shield 600 V, XLPE insul., PVC jacket
						1474-6	50 pair #18, shielded pairs, IS/OS shield 600 V, XLPE insul., PVC jacket
						1473-4	50 pair #18, shielded pairs, IS/OS shield 600 V, XLPE insul., PVC jacket
						2910-7	4 pair #24, overall shielded, 300V, PE insulation
						2910-3	4 pair #22, shielded pairs, FEP insulation
						2910-2	4 pair #22, shielded pairs, FEP insulation
						2910-12	4 pair #22, shielded pairs, 300 V, PE insulation
						2910-11	1-3/C #16,600 V, EPR insulation
						2900-482A	4 pair #22, shielded pairs, FEP insulation
						2900-452B	4 pair #22, shielded pairs, FEP insulation
						2900-452A	4 pair #22, shielded pairs, FEP insulation
						2900-332A	4 pair #22, shielded pairs, FEP insulation
						2900-442B	4 pair #22, shielded pairs, FEP insulation
						2900-332B	4 pair #22, shielded pairs, FEP insulation
						2900-432A	4 pair #22, shielded pairs, FEP insulation
						2900-422B	4 pair #22, shielded pairs, FEP insulation
						2900-422A	4 pair #22, shielded pairs, FEP insulation
						2900-412C	4 pair #22, shielded pairs, FEP insulation
						2900-412B	4 pair #22, shielded pairs, FEP insulation
						2900-412A	4 pair #22, shielded pairs, FEP insulation
						2900-402A	4 pair #22, shielded pairs, FEP insulation
						2900-382C	4 pair #22, shielded pairs, FEP insulation
						2900-382B	4 pair #22, shielded pairs, FEP insulation
						2900-382A	4 pair #22, shielded pairs, FEP insulation
						2148	1 - 2 pair, shielded #18 with IS/OA, 300 V, PVC jacket
						2900-442C	4 pair #22, shielded pairs, FEP insulation
						CCTVE01AD	TVL
						1473-8	50 pair #18, shielded pairs, IS/OS shield 600 V, XLPE insul., PVC jacket
						Pull rope	Soft-Fiber Polyester
						2475-3A	12 Fiber, single mode fiberoptic cable
						2475-3B	12 Fiber, single mode fiberoptic cable
						2475-3	72 Fiber, single mode fiberoptic riser cable
						CCTVE01BC	TVC
						CCTVE01BD	TVL
						CCTVE01AC	TVC
						2900-432B	4 pair #22, shielded pairs, FEP insulation
						MVDSW03A	MVDS DLC

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	RY RR	RG MP	55
△2	02/25/08	CABLE TRAY CHANGES	TW	RG	42S1
△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 △2

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

FOR REVISION ONLY △3

Caltrans Metric

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	13.2/13.9	375 R3	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

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

CONDUIT DATA

Conduit No	Reference	Size	Type	Total Fill (mm2)	Allowable Fill (mm2)	Included Cable No.	Conductor Type
						MVDSW03A	MVDS DLC
2T44	E-115, E-182	610	152.4 mm siderail solid bottom tray	5109.21	38709.60	2119-2	4 pair #22, shielded pairs, 300 V, PE insulation
						1473-4	50 pair #18, shielded pairs, IS/OS shield 600 V, XLPE insul., PVC jacket
						1474-5	50 pair #18, shielded pairs, IS/OS shield 600 V, XLPE insul., PVC jacket
						1474-4	50 pair #18, shielded pairs, IS/OS shield 600 V, XLPE insul., PVC jacket
						Pull rope	Soft-Fiber Polyester
						MVDSE01A	MVDS DLC
						2475-3A	12 Fiber, single mode fiberoptic cable
						1473-5	50 pair #18, shielded pairs, IS/OS shield 600 V, XLPE insul., PVC jacket
2T45	E-115, E-182	610	152.4 mm siderail solid bottom tray	7529.12	38709.60	2900-432B	4 pair #22, shielded pairs, FEP insulation
						2910-12	4 pair #22, shielded pairs, 300 V, PE insulation
						Pull rope	Soft-Fiber Polyester
						2900-412A	4 pair #22, shielded pairs, FEP insulation
						2910-11	1-3/C #16,600 V, EPR insulation
						2910-7	4 pair #24, overall shielded, 30V, PE insulation
						2910-10	4 pair #22, shielded pairs, 300 V, PE insulation
						2910-8	4 pair #22, shielded pairs, 300 V, PE insulation
						2900-422B	4 pair #22, shielded pairs, FEP insulation
						2900-422A	4 pair #22, shielded pairs, FEP insulation
						2900-412C	4 pair #22, shielded pairs, FEP insulation
						2900-412B	4 pair #22, shielded pairs, FEP insulation
						2900-382C	4 pair #22, shielded pairs, FEP insulation
						2900-402A	4 pair #22, shielded pairs, FEP insulation
						2900-272C	4 pair #22, shielded pairs, FEP insulation
						2900-382B	4 pair #22, shielded pairs, FEP insulation
						2900-382A	4 pair #22, shielded pairs, FEP insulation
						2900-332C	4 pair #22, shielded pairs, FEP insulation
						2900-332B	4 pair #22, shielded pairs, FEP insulation
						2900-332A	4 pair #22, shielded pairs, FEP insulation
						2900-292A	4 pair #22, shielded pairs, FEP insulation
						2900-172A	4 pair #22, shielded pairs, FEP insulation
						2900-192B	4 pair #22, shielded pairs, FEP insulation
						2900-142A	4 pair #22, shielded pairs, FEP insulation
						1474-5A	1 - 6 pair, shielded #18 with overall shield, 300 V, PVC jacket
						2910-3	4 pair #22, shielded pairs, FEP insulation
						2910-2	4 pair #22, shielded pairs, FEP insulation
						2900-482A	4 pair #22, shielded pairs, FEP insulation
						2900-452B	4 pair #22, shielded pairs, FEP insulation
						2155	1 - 2 pair, shielded #18 with IS/OA, 300 V, PVC jacket

For continuation, see next sheet

CONDUIT AND TRAY SCHEDULE

E-420

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 => 3/31/2009
TIME PLOTTED => 2:30:25 PM