Kern Fan Groundwater Storage Project

RESPONSE TO DEC REVIEW FINDINGS

Exhibit E: Stockdale West Bid Summary

July 1, 2020













Irvine Ranch Water District Bid Summary For Stockdale West Integrated Water Banking Project Project Number 11645 (3766)

					1		2		3		4	
		Engineer's Estimate		W.M. Lyles Temecula, CA		Specialty Construction, Inc. San Luis Obispo, CA		Pacific Hydrotech Perris, CA		Steve P. Rados, Inc.		
											Ana, CA	
Item D		Unit	Total	Unit	Total	Unit	Total	Unit	Total	Unit	Total	
No. Description	Qty Uni	t Price	Amount	Price	Amount	Price	Amount	Price	Amount	Price	Amount	
Bid Schedule A- General												
1 Mobilization, demobilization & misc. work	1 LS	\$140,728.59	\$140,728.59	\$108,700.00	\$108,700.00	\$310,000.00	\$310,000.00	\$258,000.00	\$258,000.00	\$360,000.00	\$360,000.00	
2 Site demolition	1 LS	\$17,400.00	\$17,400.00	\$25,900.00	\$25,900.00	\$8,000.00	\$8,000.00	\$8,300.00	\$8,300.00	\$15,000.00	\$15,000.00	
3 Construct elevated well pads at each of the three wells sites	1 LS	\$75,000.00	\$75,000.00	\$370,300.00	\$370,300.00	\$200,000.00	\$200,000.00	\$382,100.00	\$382,100.00	\$475,000.00	\$475,000.00	
4 Furnish and install erosion control measures	1 LS	\$50,000.00	\$50,000.00	\$32,400.00	\$32,400.00	\$82,000.00	\$82,000.00	\$45,000.00	\$45,000.00	\$35,000.00	\$35,000.00	
5 Mitigation Monitoring	1 LS	\$5,000.00	\$5,000.00	\$17,000.00	\$17,000.00	\$13,500.00	\$13,500.00	\$13,700.00	\$13,700.00	\$5,000.00	\$5,000.00	
6 Trench Safety Measures	1 LS	\$10,000.00	\$10,000.00	\$1,100.00	\$1,100.00	\$28,000.00	\$28,000.00	\$600.00	\$600.00	\$20,000.00	\$20,000.00	
7 Startup Testing and Training	1 LS	\$15,000.00	\$15,000.00	\$49,900.00	\$49,900.00	\$37,000.00	\$37,000.00	\$10,900.00	\$10,900.00	\$10,000.00	\$10,000.00	
8 Operation and Maintenance Manuals	1 LS	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	
9 Final Record Drawings	1 LS	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	
Dans Bid Caldadal Calcadal A			0220 120 50		0(30,300,00		Ø/02 500 00		0722 (00.00		Ø025 000 00	
Base Bid Subtotal- Schedule A		+	\$328,128.59		\$620,300.00		\$693,500.00		\$733,600.00		\$935,000.00	
Bid Schedule B- Drilling and Construction of Extraction Wells												
10 Mobilization, demobilization & misc. work	1 LS	\$ \$225,000.00	\$225,000.00	\$81,500.00	\$81,500.00	\$80,500.00	\$80,500.00	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00	
11 Transport and dispose of drill cuttings offsite	1 LS		\$15,000.00	\$13,800.00	\$13,800.00	\$13,600.00	\$13,600.00	\$14,800.00	\$14,800.00	\$306,000.00	\$306,000.00	
12 Three 20,000-gallon temporary water storage tanks and discharge piping	1 LS	+	\$45,000.00	\$26,500.00	\$26,500.00	\$26,000.00	\$26,000.00	\$28,500.00	\$28,500.00	\$75,000.00	\$75,000.00	
13 Drill 54-inch minimum diameter surface casing/sanitary seal borehole	150 LI		\$82,500.00	\$20,500.00	\$92,535.00	\$610.00	\$91,500.00	\$664.00	\$99,600.00	\$1,500.00	\$225,000.00	
	2,760 LI		\$220,800.00	\$110.20	\$304,152.00	\$109.00	\$300,840.00	\$119.00	\$328,440.00	\$1,500.00	\$414,000.00	
15 Drill 17.5-inch minimum diameter pilot borehole from 970 ft to 1,400 ft bgs	430 LI		\$45,150.00	\$110.20	\$47,386.00	\$109.00	\$46,870.00	\$119.00	\$51,170.00	\$150.00	\$64,500.00	
16 Conduct downhole geophysical surveys and alignment/deviation survey	1 LS		\$16,500.00	\$39,700.00	\$39,700.00	\$39,000.00	\$39,000.00	\$42,659.00	\$42,659.00	\$15,000.00	\$15,000.00	
17 Conduct isolated aquifer zone test	9 EA		\$180,000.00	\$22,032.00	\$198,288.00	\$22,000.00	\$198,000.00	\$23,700.00	\$213,300.00	\$20,000.00	\$180,000.00	
18 Conduct deep isolated aquifer zone test below 800 ft bgs	3 EA		\$90,000.00	\$33,048.00	\$99,144.00	\$32,500.00	\$97,500.00	\$35,549.00	\$106,647.00	\$35,000.00	\$105,000.00	
19 Enlarge pilot borehole to 36-inch diameter from 50 ft to 330 ft bgs	840 LI		\$58,800.00	\$110.20	\$92,568.00	\$109.00	\$91,560.00	\$119.00	\$99,960.00	\$150.00	\$126,000.00	
20 Enlarge pilot borehole to 36-inch diameter from 330 ft to 970 ft bgs	1,920 LI		\$134,400.00	\$99.10	\$190,272.00	\$98.00	\$188,160.00		\$205,440.00	\$120.00	\$230,400.00	
21 Conduct alignment/deviation tests in enlarged borehole	3 EA		\$7,500.00	\$5,508.00	\$16,524.00	\$5,500.00	\$16,500.00	\$5,925.00	\$17,775.00	\$2,500.00	\$7,500.00	
22 Conduct a caliper survey of enlarged borehole	3 EA	\$2,500.00	\$7,500.00	\$5,508.00	\$16,524.00	\$5,500.00	\$16,500.00	\$5,925.00	\$17,775.00	\$2,500.00	\$7,500.00	
23 Furnish and install 20-inch I.D. by 5/16-inch wall HSLA steel blank well casing	1,272 LI	\$204.00	\$259,488.00	\$203.80	\$259,233.60	\$201.00	\$255,672.00	\$219.00	\$278,568.00	\$250.00	\$318,000.00	
24 Furnish and install HSLA steel blank well casing with reinforced "Bull Nose"	3 EA	\$4,480.00	\$13,440.00	\$4,406.00	\$13,218.00	\$4,400.00	\$13,200.00	\$4,740.00	\$14,220.00	\$6,000.00	\$18,000.00	
25 Furnish and install 20-inch by 5/16-inch wall Ful Flo louvered, HSLA steel well screen	1,530 LI	\$287.00	\$439,110.00	\$295.20	\$451,656.00	\$292.00	\$446,760.00	\$318.00	\$486,540.00	\$305.00	\$466,650.00	
26 Furnish and install 3-inch I.D. schedule 40 mild steel sounding/camera access tube	1,956 LI		\$48,900.00	\$46.00	\$89,976.00	\$33.00	\$64,548.00	\$36.00	\$70,416.00	\$30.00	\$58,680.00	
Furnish and install 3-inch I.D. schedule 40 mild steel gravel feed tube	957 LI		\$19,140.00	\$38.10	\$36,461.70	\$33.00	\$31,581.00	\$36.00	\$34,452.00	\$15.00	\$14,355.00	
	2,010 LI		\$130,650.00	\$222.50	\$447,225.00	\$220.00	\$442,200.00		\$480,390.00	\$95.00	\$190,950.00	
29 Furnish and install 10.3-sack sand-cement grout upper annular seal	900 LI		\$58,500.00	\$165.20	\$148,680.00	\$163.00	\$146,700.00		\$160,200.00	\$85.00	\$76,500.00	
30 Perform initial well development	324 HR		\$113,400.00	\$275.40	\$89,229.60	\$272.00	\$88,128.00		\$95,904.00	\$375.00	\$121,500.00	
31 Provide chlorine solution for chemical development of the well	765 GA		\$76,500.00	\$26.00	\$19,890.00	\$26.00	\$19,890.00		\$21,420.00	\$10.00	\$7,650.00	
32 Provide polymer dispersant for chemical development of the well	115 GA		\$13,800.00	\$110.00	\$12,650.00	\$109.00	\$12,535.00	\$119.00	\$13,685.00	\$80.00	\$9,200.00	
33 Mobilize, install, and demobilize test pumping equipment in newly completed wells	3 EA		\$60,000.00	\$22,913.00	\$68,739.00	\$22,000.00	\$66,000.00	\$24,647.00	\$73,941.00	\$22,500.00	\$67,500.00	
34 Conduct final development by pumping and surging	180 HR		\$108,000.00	\$496.00	\$89,280.00	\$490.00	\$88,200.00	\$533.00	\$95,940.00	\$375.00	\$67,500.00	
35 Conduct step-drawdown pumping test in newly completed wells	24 HR		\$14,400.00	\$496.00	\$11,904.00	\$490.00	\$11,760.00	\$533.00	\$12,792.00	\$375.00	\$9,000.00	
36 Conduct constant-rate pumping test in newly completed wells	84 HR		\$50,400.00	\$496.00	\$41,664.00	\$490.00	\$41,160.00		\$44,772.00	\$375.00	\$31,500.00	
37 Conduct a dynamic flow meter survey	3 EA		\$7,500.00	\$8,813.00	\$26,439.00	\$8,700.00	\$26,100.00		\$28,440.00	\$5,000.00	\$15,000.00	
38 Conduct a color video camera survey 30 Conduct well alignment/deviation test in nevely completed wells	3 EA		\$7,500.00	\$2,203.00	\$6,609.00	\$2,200.00	\$6,600.00	\$2,370.00	\$7,110.00	\$2,500.00	\$7,500.00	
39 Conduct well alignment/deviation test in newly completed wells	3 EA		\$7,500.00	\$4,406.00 \$3,305.00	\$13,218.00	\$4,350.00	\$13,050.00	\$4,740.00	\$14,220.00 \$10,665.00	\$3,500.00 \$8,500.00	\$10,500.00	
40 Conduct final well disinfection in newly completed wells 41 Standby time for rig and gray	72 HR		\$16,500.00 \$32,400.00	\$3,305.00	\$9,915.00 \$27,792.00	\$3,250.00 \$381.00	\$9,750.00 \$27,432.00	\$3,555.00 \$415.00	\$10,665.00	\$8,500.00	\$25,500.00 \$27,000.00	
41 Standby time for rig and crew 42 Remove and properly dispose of debris in the existing agricultural well		+	\$32,400.00	\$386.00	\$27,792.00	\$381.00	\$27,432.00 \$21,800.00	\$415.00 \$23,700.00	\$29,880.00	\$3/5.00	\$27,000.00	
42 Remove and properly dispose of debris in the existing agricultural well 43 Conduct an initial color video camera survey in the existing agricultural well	1 LS	· · · · · · · · · · · · · · · · · · ·	\$8,000.00	\$22,000.00	\$22,000.00	\$21,800.00	\$21,800.00	\$23,700.00	\$23,700.00	\$7,000.00	\$7,000.00	
43 Conduct an initial color video camera survey in the existing agricultural well 44 Brush existing agricultural well casing and louvered well screen	8 HR		\$2,800.00	\$2,200.00	\$2,200.00	\$2,200.00	\$2,200.00	\$2,400.00	\$2,400.00	\$2,500.00	\$2,500.00	
45 Conduct a verification color video camera survey in the existing agricultural well	1 LS		\$2,500.00	\$2,600.00	\$4,408.00	\$2,600.00	\$2,600.00		\$2,843.00	\$2,500.00	\$2,500.00	
46 Conduct well alignment/deviation test in existing agricultural well	1 LS		\$2,500.00	\$4,400.00	\$4,400.00	\$4,300.00	\$4,300.00	\$4,740.00	\$4,740.00	\$3,500.00	\$3,500.00	

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Irvine Ranch Water District Bid Summary For Stockdale West Integrated Water Banking Project Project Number 11645 (3766)

				1		2		3		4	
		Engineer's Estimate		W.M. Lyles		Specialty Construction, Inc.		Pacific Hydrotech		Steve P. Rados, Inc.	
				Temecu	la, CA	San Luis (Obispo, CA	Perri	s, CA	Santa A	na, CA
Item Description		Unit	Total	Unit	Total	Unit	Total	Unit	Total	Unit	Total
No.	Qty Unit	Price	Amount	Price	Amount	Price	Amount	Price	Amount	Price	Amount
47. Contrat via this law is a this way and a facilities and alternative law is	1 10	\$3,200.00	¢2 200 00	\$13,200.00	\$12,200,00	\$13,000.00	\$13,000.00	\$14,218.00	¢14.219.00	\$3,500.00	\$3,500.00
47 Conduct casing thickness inspection measurement of existing agricultural well	1 LS	\$3,200.00	\$3,200.00	\$13,200.00	\$13,200.00	\$20,000.00	\$13,000.00	\$14,218.00	\$14,218.00	\$20,500.00	
48 Mobilize, install, and demobilize test pumping equipment within agricultural well	1 LS		\$24,800.00		\$19,800.00				\$21,330.00		\$20,500.00
49 Conduct step-drawdown pumping test in agricultural well	1 LS	\$4,800.00	\$4,800.00	\$4,400.00	\$4,400.00	\$4,300.00	\$4,300.00	\$4,744.00	\$4,744.00	\$24,000.00	\$24,000.00
50 Conduct constant-rate pumping test in agricultural well	28 HRS	\$600.00	\$16,800.00	\$551.00	\$15,428.00	\$543.00	\$15,204.00	\$593.00	\$16,604.00	\$375.00	\$10,500.00
51 Conduct final well disinfection in agricultural well	1 LS	\$5,500.00	\$5,500.00	\$8,800.00	\$8,800.00	\$8,700.00	\$8,700.00	\$9,500.00	\$9,500.00	\$8,500.00	\$8,500.00
Base Bid Subtotal- Schedule B			\$2,678,678.00		\$3,179,908.90		\$3,114,252.00		\$3,404,444.00		\$3,483,885.00
Bid Schedule C - Wellhead Equipping and Conveyance Facilities											
52 Construct site work	1 LS	\$110,000.00	\$110,000.00	\$322,900.00	\$322,900.00	\$417,000.00	\$417,000.00	\$178,500.00	\$178,500.00	\$270,000.00	\$270,000.00
53 Furnish and install yard piping, mechanical piping and appurtenances	1 LS	\$30,600.00	\$30,600.00	\$135,800.00	\$135,800.00	\$161,000.00	\$161,000.00	\$162,800.00	\$162,800.00	\$145,000.00	\$145,000.00
54 Furnish and install conveyance piping and appurtenances	1 LS	\$478,000.00	\$478,000.00	\$514,300.00	\$514,300.00	\$400,000.00	\$400,000.00	\$734,500.00	\$734,500.00	\$1,000,000.00	\$1,000,000.00
55 Furnish and install vertical turbine well pumps, pump base, etc.	1 LS	\$837,630.00	\$837,630.00	\$764,000.00	\$764,000.00	\$738,000.00	\$738,000.00	\$825,400.00	\$825,400.00	\$1,100,000.00	\$1,100,000.00
56 Furnish and install well enclosures and appurtenances	1 LS	\$12,000.00	\$12,000.00	\$58,800.00	\$58,800.00	\$44,000.00	\$44,000.00	\$154,500.00	\$154,500.00	\$290,000.00	\$290,000.00
57 Construct berm crossing	1 LS	\$242,000.00	\$242,000.00	\$153,100.00	\$153,100.00	\$76,000.00	\$76,000.00	\$108,100.00	\$108,100.00	\$90,000.00	\$90,000.00
58 Furnish and install electrical facilities and instrumentation	1 LS	\$473,700.00	\$473,700.00	\$976,800.00	\$976,800.00	\$1,161,500.00	\$1,161,500.00	\$1,209,500.00	\$1,209,500.00	\$1,000,000.00	\$1,000,000.00
	1 LS	\$81,432.00	\$81,432.00	\$201,500.00	\$201,500.00	\$92,000.00		\$228,500.00	\$1,209,300.00	\$200,000.00	\$200,000.00
				\$201,500.00		\$23,000.00	\$92,000.00		,		
60 Furnish and install manhole junction	1 LS	\$11,852.00	\$11,852.00		\$23,500.00		\$23,000.00	\$14,500.00	\$14,500.00	\$45,000.00	\$45,000.00
61 Furnish and install manhole junction at existing CVC Return Line	1 LS	\$23,704.00	\$23,704.00	\$36,100.00	\$36,100.00	\$47,000.00	\$47,000.00	\$24,200.00	\$24,200.00	\$45,000.00	\$45,000.00
62 Furnish and install reinforced concrete pipe	1 LS	\$106,038.00	\$106,038.00	\$151,100.00	\$151,100.00	\$140,000.00	\$140,000.00	\$139,100.00	\$139,100.00	\$1,414,000.00	\$1,414,000.00
			22 10 (0.7 (0.0				22 200 700 00		22 2 < 2 2 2 2		
Base Bid Subtotal- Schedule C			\$2,406,956.00		\$3,337,900.00		\$3,299,500.00		\$3,779,600.00		\$5,599,000.00
Bid Schedule D - Cross Valley Canal Turnout											
63 Cofferdam Mobilization, Installation, Dewatering, and Demobilization	1 LS	\$125,000.00	\$125,000.00	\$209,500.00	\$209,500.00	\$235,000.00	\$235,000.00	\$148,100.00	\$148,100.00	\$25,000.00	\$25,000.00
64 Furnish and install reinforced concrete turnout structure and appurtenances	1 LS	\$305,000.00	\$305,000.00	\$240,700.00	\$240,700.00	\$205,000.00	\$205,000.00	\$185,700.00	\$185,700.00	\$320,000.00	\$320,000.00
65 Furnish and install 60" diameter slide gate with electrical actuator at turnout structure	1 EA	\$75,000.00	\$75,000.00	\$31,600.00	\$31,600.00	\$35,000.00	\$35,000.00	\$20,100.00	\$20,100.00	\$150,000.00	\$150,000.00
66 Furnish and install 60" diameter C361 D50 RCP	1,250 LF	\$888.40	\$1,110,500.00	\$728.00	\$910,000.00	\$930.00	\$1,162,500.00	\$833.00	\$1,041,250.00	\$1,267.00	\$1,583,750.00
	7 EA	\$11,428.57	\$79,999.99	\$5,700.00	\$39,900.00	\$7,700.00	\$53,900.00	\$7,540.00	\$52,780.00	\$10,000.00	\$70,000.00
68 Furnish and install reinforced concrete outlet control structure and appurtenances	1 LS	\$132,387.50	\$132,387.50	\$133,100.00	\$133,100.00	\$140,000.00	\$140,000.00	\$79,700.00	\$79,700.00	\$80,000.00	\$80,000.00
69 Furnish and install 60" diameter fabricated stainless steel slide gate	1 EA	\$50,000.00	\$50,000.00	\$22,000.00	\$22,000.00	\$25,000.00	\$25,000.00	\$27,900.00	\$27,900.00	\$35,000.00	\$35,000.00
70 Furnish and install 48" diameter C361 D50 RCP	48 LF	\$807.29	\$38,749.92	\$782.00	\$37,536.00	\$1,450.00	\$69,600.00	\$972.00	\$46,656.00	\$1,500.00	\$72,000.00
71 Furnish and install basin No.15 turnout structure and appurtenances	1 LS	\$101,250.00	\$101,250.00	\$125,300.00	\$125,300.00	\$130,000.00	\$130,000.00	\$85,600.00	\$85,600.00	\$80,000.00	\$80,000.00
72 Furnish and install 48" diameter fabricated stainless steel slide gate at basin No. 15	1 LS	\$35,000.00	\$35,000.00	\$16,600.00	\$16,600.00	\$18,500.00	\$18,500.00	\$13,400.00	\$13,400.00	\$25,000.00	\$25,000.00
73 Furnish and install Accusonic flow meter and appurtenances	1 EA	\$60,000.00	\$60,000.00	\$86,800.00	\$86,800.00	\$79,000.00	\$79,000.00	\$102,500.00	\$102,500.00	\$57,000.00	\$57,000.00
74 Furnish and install Agriflo Ultrasonic flow meter and appurtenances	1 EA	\$35,000.00	\$35,000.00	\$28,800.00	\$28,800.00	\$18,100.00	\$18,100.00	\$12,300.00	\$12,300.00	\$10,000.00	\$10,000.00
75 Furnish and install electrical and controls	1 LS	\$170,000.00	\$170,000.00	\$284,700.00	\$284,700.00	\$98,000.00	\$98,000.00	\$177,300.00	\$177,300.00	\$200,000.00	\$200,000.00
76 Furnish fabricated steel stop log	1 LS	\$60,000.00	\$60,000.00	\$41,900.00	\$41,900.00	\$24,000.00	\$24,000.00	\$43,000.00	\$43,000.00	\$30,000.00	\$30,000.00
Base Bid Subtotal- Schedule D			\$2,377,887.41		\$2,208,436.00		\$2,293,600.00		\$2,036,286.00		\$2,737,750.00
Additive Bid Items											
A-1 Destruction of the pilot borehole or new well	3,340 lf	\$2.50	\$8,350.00	\$18.00	\$60,120,00	\$18.00	\$60,120,00	\$19.00	\$62.460.00	\$10.00	\$22,400,00
A-1 Destruction of the phot borenote or new Well	3,340 II	\$2.50	\$8,350.00	\$18.00	\$60,120.00	\$18.00	\$60,120.00	\$19.00	\$63,460.00	\$10.00	\$33,400.00
SUBTOTAL, Base Bid Items: Bid Schedule A, Bid Schedule B, Bid Schedule C, E	Bid										
Schedule D and Additive Bid Items			\$7,800,000.00		\$9,406,664.90		\$9,460,972.00		\$10,017,390.00		\$12,789,035.00
				•				-		•	
A directment (on)		T	\$0.00		-\$62,700.00		-\$35,000.00		\$0.00		\$0.00
Adjustment (+ or -) Total Amount of Bid		ļ	\$7,800,000.00		\$9,343,964.90		\$9,425,972.00		\$10,017,390.00		\$12,789,035.00

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		1			2		3		4			
		Engineer's Estimate		W.M. Ly	W.M. Lyles		Specialty Construction, Inc.		Pacific Hydrotech		Steve P. Rados, Inc.	
				Temecula	, CA	San Luis	Obispo, CA	Per	ris, CA	Santa Ana, CA		
Description Description		Unit	Total	Unit	Total	Unit	Total	Unit	Total	Unit	Total	
lo. Description	Qty Unit	Price	Amount	Price	Amount	Price	Amount	Price	Amount	Price	Amount	
				Manufacturers:		Manufacturers:		Manufacturers:		Manufacturers:		
*Specialty Construction - Bid Item #23 - Multiplication Error on Bid. Totaled correctly at bottom of bid.					Vertical Turbine Pump: Flowserve		Vertical Turbine Pump: Flowserve		Vertical Turbine Pump: Flowserve		Vertical Turbine Pump: Flowserve	
				Motor for Vertical Turb	•		Motor for Vertical Turbine Pump: US		Motor for Vertical Turbine Pump: US		Motor for Vertical Turbine Pump:	
						Motors		Motors		Flowserve		
**Pacific Hydrotech - Bid Item #31 - Multiplication Error on Bid. Totaled correctly on				Propeller Meter: Micrometer		Propeller Meter: Micrometer		Propeller Meter: Micrometer		Propeller Meter: Micrometer		
bottom of bid.				Modulating Ball Valve: Pratt		Modulating Ball Valve: Pratt		Modulating Ball Valve: Pratt		Modulating Ball Valve: Pratt		
DOLLOM OI DIC.						Well Enclosure: American Fabrication		Well Enclosure: Paramount Metals		Well Enclosure: Paramount Metals		
						Pre-Fabricated Steel MCC Enclosure:		Pre-Fabricated Steel MCC Enclosure:		Pre-Fabricated Steel MCC Enclosure:		
						Diversified Hanger		Butler		Paramount		
						Switchboards: Allen Bradley		Switchboards: Cutler Hammer		Switchboards: Tesco		
					3		,		3			
					High Strength Low Alloy Blank Well		High Strength Low Alloy Blank Well		High Strength Low Alloy Blank Well		High Strength Low Alloy Blank Well	
				Casing: Roscoe-Moss			Casing: Roscoe-Moss		Casing: Roscoe-Moss		Casing: Roscoe-Moss	
				High Strength Low Allo	y Louvered Well			ll High Strength Low Alloy Louvered Well				
				Screen: Roscoe-Moss	Screen: Roscoe-Moss		Screen: Roscoe-Moss		Screen: Roscoe-Moss		Screen: Roscoe-Moss	
					Reinfor		Reinforced Concrete Pipe: Piranha Pipe				Reinforced Concrete Pipe: Piranha Pipe	
				Reinforced Concrete Pipe: Forterra Pipe		Precast		Reinforced Concrete Pipe: Forterra Pipe		Precast		
				Slide Gates: Western Industries		Slide Gates: Waterman		Slide Gates: Waterman		Slide Gates: Hydro-Gate		
						Accusonic Flow Meter: Accusonic						
				Accusonic Flow Meter:	Accusonic/ADS	Manufacturing		Accusonic Flow Me	eter: Accusonic	Accusonic Flow Mete	er: Accusonic	
				Programmable Logic Co	ontroller (PLC):	Programmable Log	ic Controller (PLC):	Programmable Logi	ic Controller (PLC):	Programmable Logic	Controller (PLC):	
				Allen Bradley		Allen Bradley		Allen Bradley		Tesco		
				Radio: GE	Radio: GE		Radio: GE		Radio: GE		Radio: Tesco	
				SCADA Antenna: L-Com		SCADA Antenna: L-Com		SCADA Antenna: L-Com		SCADA Antenna: Tesco		
				Subcontra		Subcontractors:		Subcontractors:		Subcontractors:		
				Prefab Erectors: Metal E	Bldg.	Hydro Resources: V			stems: Metal Canopy	Contra Electric: Elect	trical	
				Journey AC: HVAC		P&J Electric: Electr	rical	Hydro Resources: V		Best Drilling: Wells		
				Union Fence of Kern Co	ounty: Fance	Gilliam & Sons: Ea	rth Wark	Paramount Metal & Enclosure:	Supply: Well			
				Alamillo Rebar: Rebar	ounty. Pence	Ollifatii & Solis. Ea	iui WOIK	Leed Electric: Elect	trical			
				AC Electric Co: Electric	201			Leed Electric, Elect	uicai			
				L. Control of the con								
				Dakersheid weil & Pun	Bakersfield Well & Pump: Wells							