

Airport/Daniels Area Improvement Project - Phase 3
ENGINEER'S ESTIMATE \$4,700,000 BID OPENING September 22nd, 2005

DESCRIPTION				RGW CONSTRUCTION/ LIVERMORE	
#		QTY	UNIT	ITEM COST	TOTAL COST
1	Mobilization	1		\$ 630,000.00	\$ 630,000.00
2	Notice of Intent	1	EA	\$ 1,000.00	\$ 1,000.00
3	SWPPP Preparation	1	EA	\$ 3,500.00	\$ 3,500.00
4	Water Pollution Control	1	EA	\$ 87,000.00	\$ 87,000.00
5	Construction Staking	1	EA	\$ 25,000.00	\$ 25,000.00
6	Demolish 8-inch sewer force main	1,850	LF	\$ 14.50	\$ 26,825.00
7	Clearing and Grubbing	1	LS	\$ 15,000.00	\$ 15,000.00
8	Excavation and Compaction	18,000	CY	\$ 25.00	\$ 450,000.00
9	Geosynthetic Clay Liner	122,000	SF	\$ 2.00	\$ 244,000.00
10	Basin Finished Grade Excavation and Stockpile	1,000	CY	\$ 80.00	\$ 80,000.00
11	Aggregate Base	230	CY	\$ 40.00	\$ 9,200.00
12	Asphalt Concrete - 3" thick	3,800	SF	\$ 6.50	\$ 24,700.00
13	Redwood Header	540	LF	\$ 12.00	\$ 6,480.00
14	Grouted Rip Rap (incl weep holes), Force Main Outfall	80	CY	\$ 600.00	\$ 48,000.00
15	Filter Fabric, Force Main Outfall	250	SY	\$ 6.00	\$ 1,500.00
16	Dewatering	1	EA	\$ 445,000.00	\$ 445,000.00
17	36" Storm Drain RCP	112	LF	\$ 225.00	\$ 25,200.00
18	24" Storm Drain PVC	566	LF	\$ 160.00	\$ 90,560.00
19	12" Gravity Storm Drain PVC	696	LF	\$ 75.00	\$ 52,200.00
20	8" Storm Drain PVC	335	LF	\$ 25.00	\$ 8,375.00
21	Storm Drain Outlet Structure	2	EA	\$ 3,000.00	\$ 6,000.00
22	Storm Drain Interceptor Outlet and Bypass Manhole	2	EA	\$ 9,000.00	\$ 18,000.00
23	Plug 36" Storm Drain	1	EA	\$ 900.00	\$ 900.00
24	Plug 24" Storm Drain	1	EA	\$ 700.00	\$ 700.00
25	Remove Exist. Plug 24" SD, Connect to Existing	1	EA	\$ 700.00	\$ 700.00
26	Drain Inlet	5	EA	\$ 1,250.00	\$ 6,250.00
27	12"x12" Wye Storm Drain Connection	1	EA	\$ 100.00	\$ 100.00
28	Area Drains	9	EA	\$ 800.00	\$ 7,200.00
29	Stormwater Interceptor, Control Tee, 20 Oil Pillows	1	EA	\$ 100,000.00	\$ 100,000.00
30	12" Storm Drain Force Main PVC	770	LF	\$ 55.00	\$ 42,350.00
31	12" Storm Drain Force Main Steel	5	LF	\$ 200.00	\$ 1,000.00
32	12" Storm Drain Flap Gate	2	EA	\$ 1,000.00	\$ 2,000.00
33	Storm Drain Pipe Coupling	1	EA	\$ 200.00	\$ 200.00
34	6" Sanitary Sewer PVC	472	LF	\$ 30.00	\$ 14,160.00
35	Remove Exist. Plug 6" SS, Connect to Existing	1	EA	\$ 500.00	\$ 500.00
36	Sanitary Sewer Wye with Cleanout	3	EA	\$ 1,000.00	\$ 3,000.00
37	Sanitary Sewer Manhole	1	EA	\$ 2,000.00	\$ 2,000.00
38	3" Non Potable Water Line	50	LF	\$ 60.00	\$ 3,000.00
39	2" Non Potable Water Line	1060	LF	\$ 10.00	\$ 10,600.00
40	1.5" Non Potable Water Line	40	LF	\$ 70.00	\$ 2,800.00
41	1" Non Potable Water Line	90	LF	\$ 30.00	\$ 2,700.00
42	Pressure Reducing Valve with valve box	1	EA	\$ 1,500.00	\$ 1,500.00
43	Quick Coupling Connection with valve box	1	EA	\$ 1,500.00	\$ 1,500.00
44	1" Gate Valve	1	EA	\$ 1,500.00	\$ 1,500.00
45	Water Service to Pump Station	1	EA	\$ 5,000.00	\$ 5,000.00
46	Connection to Irrigation Well Piping	2	EA	\$ 1,400.00	\$ 2,800.00
47	7' Ornamental Iron Fence	290	LF	\$ 85.00	\$ 24,650.00
48	12' Rolling Gate	2	EA	\$ 3,000.00	\$ 6,000.00
49	Generator Pad	1	EA	\$ 8,500.00	\$ 8,500.00
50	Inflow Headwall with Grate and Pipe Connection	1	LS	\$ 17,000.00	\$ 17,000.00
51	Earthwork	1	LS	\$ 4,000.00	\$ 4,000.00
52	System Piping	1	LS	\$ 20,000.00	\$ 20,000.00
53	Cast-in-Place Concrete	1	LS	\$ 12,000.00	\$ 12,000.00
54	Coating Systems	1	LS	\$ 30,000.00	\$ 30,000.00
55	Irrigation Well Drilling	1	LS	\$ 50,000.00	\$ 50,000.00
56	Well Pump	1	LS	\$ 95,000.00	\$ 95,000.00
57	Double Check Valve	1	LS	\$ 7,000.00	\$ 7,000.00
58	Flowmeter	1	LS	\$ 9,000.00	\$ 9,000.00
59	Filter	1	LS	\$ 14,000.00	\$ 14,000.00
60	Electrical	1	LS	\$ 155,000.00	\$ 155,000.00
61	Earthwork	1	LS	\$ 99,000.00	\$ 99,000.00

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62	Dewatering	1	LS	\$ 28,000.00	\$ 28,000.00
63	Mechanical	1	LS	\$ 300,000.00	\$ 300,000.00
64	Structure	1	LS	\$ 240,000.00	\$ 240,000.00
65	Coating Systems	1	LS	\$ 25,000.00	\$ 25,000.00
66	Electrical	1	LS	\$ 260,000.00	\$ 260,000.00
67	Conduit Wires and Trenching	1	LS	\$ 135,000.00	\$ 135,000.00
68	Light Fixtures and Poles	25	EA	\$ 7,000.00	\$ 175,000.00
69	Pole Foundation	25	EA	\$ 1,500.00	\$ 37,500.00
70	24" RCP with Cover and Base	1	EA	\$ 1,000.00	\$ 1,000.00
71	6" DI Pipe	25	LF	\$ 65.00	\$ 1,625.00
72	6" PVC C-900 Pipe	20	LF	\$ 65.00	\$ 1,300.00
73	6" Gate Valve with Box	1	EA	\$ 850.00	\$ 850.00
74	Rip Rap	3.5	CY	\$ 450.00	\$ 1,575.00
75	Level Sensor	1	EA	\$ 15,000.00	\$ 15,000.00
76	Conduit Wires and Trenching	2000	LF	\$ 30.00	\$ 60,000.00
77	Pull Boxes	8	EA	\$ 1,500.00	\$ 12,000.00
78	Pathway 6" thick, imprinted pattern, Intergral color	8962	SF	\$ 26.00	\$ 233,012.00
79	Dry Streambed, washed exposed surface	4338	SF	\$ 15.00	\$ 65,070.00
80	Boulders in Planting Pockets	164	Ton	\$ 450.00	\$ 73,800.00
81	Stone/Cobble embedded in dry stream bed	171	Ton	\$ 350.00	\$ 59,850.00
82	Concrete header (flush) at planting pockets	741	LF	\$ 25.00	\$ 18,525.00
83	Concrete seatwall, cast-in-place, with integral color	280	LF	\$ 200.00	\$ 56,000.00
84	Footing concrete seatwall, intgrl color, sandblast	280	LF	\$ 150.00	\$ 42,000.00
85	Anti-skateboard clips on seatwalls	10	EA	\$ 100.00	\$ 1,000.00
86	Fountain mechanical	1	LS	\$ 375,000.00	\$ 375,000.00
87	Fountain electrical	1	LS	\$ 175,000.00	\$ 175,000.00
88	Base rock (18") and vapor barrier	3846	SF	\$ 7.00	\$ 26,922.00
89	Fountain bottom, colored concrete with reinforcing	3846	SF	\$ 25.00	\$ 96,150.00
90	Fountain perimeter wall, concrete with reinforcing	220	LF	\$ 200.00	\$ 44,000.00
91	Precast conc. cap at fountain perimeter wall	56	EA	\$ 1,000.00	\$ 56,000.00
92	Anti-skateboard clips at fountain perimeter wall	57	EA	\$ 100.00	\$ 5,700.00
93	Mainline, PVC Class 315, 3"	2550	LF	\$ 8.00	\$ 20,400.00
94	Mainline sleeves beneath paving	70	LF	\$ 15.00	\$ 1,050.00
95	Lateral sleeves beneath paving	100	LF	\$ 10.00	\$ 1,000.00
96	Remote control valve and box	46	EA	\$ 400.00	\$ 18,400.00
97	Gate valves	5	EA	\$ 500.00	\$ 2,500.00
98	Master valve	1	EA	\$ 5,500.00	\$ 5,500.00
99	Quick coupling valves with box	26	EA	\$ 120.00	\$ 3,120.00
100	Turf rotors, including lateral lines	220	EA	\$ 110.00	\$ 24,200.00
101	Shrub pop-up sprays, including lateral lites	48	EA	\$ 35.00	\$ 1,680.00
102	Controller, pedestal mounted	1	EA	\$ 28,000.00	\$ 28,000.00
103	Slope stabilization	166580	SF	\$ 0.05	\$ 8,329.00
104	Storm drain bypass pumping	1	LS	\$ 70,000.00	\$ 70,000.00
105	Spring cleanup	1	LS	\$ 24,000.00	\$ 24,000.00
105	Soil Amendment	196000	SF	\$ 0.50	\$ 98,000.00
106	Alnus rhombifolia, 15 gc	14	EA	\$ 250.00	\$ 3,500.00
107	Platanus racemosa, 15 gc	21	EA	\$ 250.00	\$ 5,250.00
108	Salix babylonica, 15 gc	7	EA	\$ 200.00	\$ 1,400.00
109	Taxodium distichum, 15, gc	5	EA	\$ 300.00	\$ 1,500.00
110	Tree stakes, 7' Reddy Stake	47	EA	\$ 65.00	\$ 3,055.00
111	Muhlenbergia rigens, 1 gallon	155	EA	\$ 35.00	\$ 5,425.00
112	Mulch for Muhlenbergia planting	155	EA	\$ 10.00	\$ 1,550.00
113	Iris pseudacorus, 1 gallon	57	EA	\$ 12.00	\$ 684.00
114	Juncus polyanthemus, 1 gallon	234	EA	\$ 35.00	\$ 8,190.00
115	Juncus patens, 1 gallon	104	EA	\$ 35.00	\$ 3,640.00
116	Acorus calamus, 1 gallon	31	EA	\$ 35.00	\$ 1,085.00
117	Carex barbaraee, plug	858	EA	\$ 28.00	\$ 24,024.00
118	Turf grass - seeded	166580	SF	\$ 0.30	\$ 49,974.00
119	120 Days Maintenance	1	EA	\$ 12,000.00	\$ 12,000.00
120	Redwood header at turf / deer grass edge	825	LF	\$ 12.00	\$ 9,900.00
121	Bark mulch at western access gate entry area	1200	SF	\$ 2.00	\$ 2,400.00
122	Type 60 CALTRANS concrete barrier	1254	LF	\$ 155.00	\$ 194,370.00
				TOTAL COST	\$ 6,317,155.00