



## DRY REDWATER COST ESTIMATE BASED ON HOOKUP DATA THROUGH FEB. 2007

Description	Quantity	Unit	Unit Price	Total Price
1.5" PVC Class 100	78,652	LF	\$ 5.59	\$ 439,700.00
4" PVC Class 100	0	LF	\$ 10.76	\$ -
5" PVC Class 100	0	LF	\$ 11.90	\$ -
6" PVC Class 100	0	LF	\$ 12.65	\$ -
8" PVC Class 100	68,818	LF	\$ 14.62	\$ 1,006,100.00
1" PVC Class 160	907,900	LF	\$ 5.35	\$ 4,857,300.00
1.5" PVC Class 160	41,537	LF	\$ 5.57	\$ 231,400.00
2"PVC Class 160	326,105	LF	\$ 10.35	\$ 3,375,200.00
2.5" PVC Class 160	5,223	LF	\$ 10.45	\$ 54,600.00
3" PVC Class 160	27,082	LF	\$ 10.65	\$ 288,400.00
4" PVC Class 160	801,554	LF	\$ 11.39	\$ 9,129,700.00
5" PVC Class 160	0	LF	\$ 12.07	\$ -
6" PVC Class 160	1,189,099	LF	\$ 12.98	\$ 15,434,500.00
8" PVC Class 160	385,217	LF	\$ 15.02	\$ 5,786,000.00
10" PVC Class 160	0	LF	\$ 17.94	\$ -
12" PVC Class 160	37,381	LF	\$ 22.77	\$ 851,200.00
1.5" PVC Class 200	132,409	LF	\$ 5.67	\$ 750,800.00
2"PVC Class 200	0	LF	\$ 10.32	\$ -
2.5"PVC Class 200	195,745	LF	\$ 10.45	\$ 2,045,500.00
3" PVC Class 200	165,467	LF	\$ 10.83	\$ 1,792,000.00
4" PVC Class 200	34,832	LF	\$ 11.52	\$ 401,300.00
5" PVC Class 200	0	LF	\$ 11.64	\$ -
6" PVC Class 200	162,507	LF	\$ 13.61	\$ 2,211,700.00
8" PVC Class 200	748,813	LF	\$ 16.14	\$ 12,085,800.00
10" PVC Class 200	14,921	LF	\$ 22.70	\$ 338,700.00
12" PVC Class 200	4,078	LF	\$ 28.03	\$ 114,300.00
1"PVC Class 250	26,951	LF	\$ 6.02	\$ 162,200.00
1.5"PVC Class 250	296,741	LF	\$ 9.36	\$ 2,777,500.00
2"PVC Class 250	5,023	LF	\$ 10.38	\$ 52,100.00
2.5"PVC Class 250	366,803	LF	\$ 10.45	\$ 3,833,100.00
3" PVC Class 250	203,619	LF	\$ 11.11	\$ 2,262,200.00
4" PVC Class 250	883	LF	\$ 12.00	\$ 10,600.00
5" PVC Class 250	0	LF	\$ 13.16	\$ -
6" PVC Class 250	57,217	LF	\$ 15.18	\$ 868,600.00
8" PVC Class 250	141,576	LF	\$ 18.04	\$ 2,554,000.00
10" PVC Class 250	0	LF	\$ 25.57	\$ -
12" PVC Class 250	521	LF	\$ 32.04	\$ 16,700.00
Ductile iron fittings	850000	lbs	\$ 1.50	\$ 1,275,000.00
Service connections	1590	Ea.	\$ 2,500.00	\$ 3,975,000.00
Surface Repair	1	LS	\$ 1,200,000.00	\$ 1,200,000.00
Storage Tanks In Line (20,000 Gal ave)	15	EA	\$ 45,000.00	\$ 675,000.00
Storage tank (500,000)	1	EA	\$ 525,000.00	\$ 525,000.00
Storage tank (250,000 gal)	1	EA	\$ 275,000.00	\$ 275,000.00
WTP Storage Tank (1,000,000 Gal)	1	EA	\$ 1,000,000.00	\$ 1,000,000.00
Mainline Booster station	1	EA	\$ 195,000.00	\$ 195,000.00
Pump Stations	38	EA	\$ 40,000.00	\$ 1,520,000.00
Regulator Stations	9	EA	\$ 50,000.00	\$ 450,000.00
Mobilization	1	L.S.	\$ 750,000.00	\$ 750,000.00
Aggregate Surfaces in WTP site	1400	C.Y.	\$ 20.00	\$ 28,000.00
Unclassified Excavation	104,000	C.Y.	\$ 4.00	\$ 416,000.00
12" Inlet Piping	22462	L.F.	\$ 25.00	\$ 561,600.00

12" Gate Valve & Box	4	Each	\$ 2,500.00	\$ 10,000.00
Inlet Splash Pad	2	Each	\$ 1,200.00	\$ 2,400.00
Hydroburst System	1	Each	\$ 30,000.00	\$ 30,000.00
Intake Screens	2	Each	\$ 22,000.00	\$ 44,000.00
Diving services	60	Hours	\$ 250.00	\$ 15,000.00
Intake Piping / Valves	1	L.S.	\$ 75,000.00	\$ 75,000.00
Coffer Dam	1	L.S.	\$ 15,000.00	\$ 15,000.00
Directional Bore	600	LF	\$ 125.00	\$ 75,000.00
Riprap	330	C.Y.	\$ 50.00	\$ 16,500.00
Intake Sump	1	L.S.	\$ 33,000.00	\$ 33,000.00
Intake Building	1	L.S.	\$ 25,000.00	\$ 25,000.00
Sedimentations Pond Liner	196,000	S.F.	\$ 2.00	\$ 392,000.00
12" Outlet Piping	600	L.F.	\$ 29.00	\$ 17,400.00
12" Gate Valve & Box	2	Each	\$ 2,500.00	\$ 5,000.00
Transfer Sump	1	Each	\$ 30,000.00	\$ 30,000.00
Transfer Building	1	Each	\$ 25,000.00	\$ 25,000.00
Backwash Piping	650	L.F.	\$ 20.00	\$ 13,000.00
Backwash Overflow	1	L.S.	\$ 2,000.00	\$ 2,000.00
Backwash Outlet	1	L.S.	\$ 5,000.00	\$ 5,000.00
Pre- Engineered Building	1	L.S.	\$ 350,000.00	\$ 350,000.00
WTP - Building - General	1	L.S.	\$ 235,000.00	\$ 235,000.00
WTP - Building - Electrical	1	L.S.	\$ 200,000.00	\$ 200,000.00
WTP - Building - Mechanical	1	L.S.	\$ 125,000.00	\$ 125,000.00
Furnish Water Treatment Equipment	1	L.S.	\$ 1,100,000.00	\$ 1,100,000.00
Install Water Treatment Equipment	1	L.S.	\$ 190,000.00	\$ 190,000.00
Furnish & Install Chemical Feed Equipment	1	L.S.	\$ 150,000.00	\$ 150,000.00
Process Piping and Valves	1	L.S.	\$ 120,000.00	\$ 120,000.00
Intake Pumps	1	L.S.	\$ 75,000.00	\$ 75,000.00
Transfer Pumps	1	L.S.	\$ 40,000.00	\$ 40,000.00
Control System	1	L.S.	\$ 330,000.00	\$ 330,000.00
Electrical Service to Site	1	L.S.	\$ 49,000.00	\$ 49,000.00
Electrical Service on Site/including intake	1	L.S.	\$ 25,600.00	\$ 25,600.00
Septic Tank / Drainfield	1	L.S.	\$ 4,000.00	\$ 4,000.00
Laboratory Equipment	1	L.S.	\$ 8,500.00	\$ 8,500.00
Seeding	12	Acres	\$ 1,500.00	\$ 18,000.00
Fencing	5000	L.F.	\$ 7.00	\$ 35,000.00
Testing Laboratory Services	1	L.S.	\$ 15,000.00	\$ 15,000.00
Chemical Allowance	1	L.S.	\$ 9,000.00	\$ 9,000.00
Pilot Studies	1	L.S.	\$ 85,000.00	\$ 85,000.00
			Total Estimated Bid	\$ 90,571,200.00
			Contingency	\$ 9,057,100.00
			Total Estimated Construction	\$ 99,628,300.00
			Engineering Design	\$ 8,151,400.00
			Engineering Con. Admin	\$ 6,340,000.00
			Legal/administartion	\$ 996,300.00
			Estimated Project	\$ 115,116,000.00