

**WQCF RECLAIMED WATER IMPROVEMENTS PROJECT**

Engineers Estimate \$1,000,000

November 2, 2016

**WESTERN WATER CONSTRUCTORS, INC. - SANTA ROSA, CA**

<b>ITEM NO.</b>	<b>ITEM DESCRIPTION</b>	<b>BID QTY</b>	<b>UNIT</b>	<b>UNIT COST</b>	<b>TOTAL COST</b>
1	Mobilization, submittals, bonds, licenses, permits, fees, and insurance (maximum of 4% of total bid amount)	1	LS	\$65,000.00	\$65,000.00
2	SWPP Permit and Erosion Control	1	LS	\$4,000.00	\$4,000.00
3	Temporary Facilities, Temporary Power, Fences Roads, and Protection Of the Work	1	LS	\$7,000.00	\$7,000.00
4	Demolition and Removal of Existing Hydrants, Concrete, and Asphalts at Filling Stations	1	LS	\$10,000.00	\$10,000.00
5	Demolition of Piping at Chlorine Contact Tank	1	LS	\$10,000.00	\$10,000.00
6	Demolition of Piping at Chemical Building	1	LS	\$2,000.00	\$2,000.00
7	Installation of Asphalt Paving for Trenching, Patching, and Repair	1	LS	\$2,000.00	\$2,000.00
8	Installation of Signage and Striping	1	LS	\$7,500.00	\$7,500.00
9	Installation of Concrete Bases, Slabs, Curbs, and other Miscellaneous Concrete Work	1	LS	\$76,000.00	\$76,000.00
10	Installation of Reclaimed Water Fill Station Equipment	1	LS	\$159,000.00	\$159,000.00
11	Installation of Piping, and Supports at Reclaimed Water Fill Stations	1	LS	\$46,000.00	\$46,000.00
12	Installation of 3W Pumps at Chlorine Contact Tank	1	LS	\$111,000.00	\$111,000.00
13	Installation of 3W Piping, Valves, and Supports at Chlorine Contact Tank	1	LS	\$84,000.00	\$84,000.00
14	Relocation of RW Pump No. 1 at Chlorine Contact Tank	1	LS	\$2,000.00	\$2,000.00
15	Installation of RW Piping, Valves, and Supports at Chlorine Contact Tank	1	LS	\$28,000.00	\$28,000.00
16	Installation of Chemical Piping, Valves, and Supports at Chlorine Contact Tank	1	LS	\$35,000.00	\$35,000.00
17	Mechanical Equipment and Pump Testing and Other Specified Tests	1	LS	\$4,000.00	\$4,000.00
18	Cleaning, Sand Blasting, Coating and Painting for All Areas.	1	LS	\$33,000.00	\$33,000.00
19	Modifications of CCT-MCC-10-001	1	LS	\$85,000.00	\$85,000.00
20	Installation of All 480 V Power, Site Electrical Work Including, Duct Banks, Pull Boxes, and Buried and Exposed Conduits and Wiring	1	LS	\$300,000.00	\$300,000.00
21	Installation of 3W Pump Electrical Control Panel with VFD	1	LS	\$57,000.00	\$57,000.00
22	Installation of All Signal., Fiber Optic, and Control Wiring, Site Electrical Work Including Duct Banks, Pull Boxes, and Buried and Exposed Conduits and Wiring	1	LS	\$129,000.00	\$129,000.00
23	Installation of PLCs, PLC Control Panel, Networking Equipment, and Programming of PLCs	1	LS	\$73,000.00	\$73,000.00
24	Installation of all IFIX programming	1	LS	\$22,000.00	\$22,000.00
25	Installation of all CMMS Data Entry and Programming	1	LS	\$102,000.00	\$102,000.00
26	Installation of All Instruments, Preparation of Interconnect and Loop Drawings, and As-built Drawings.	1	LS	\$65,000.00	\$65,000.00
27	Electrical Equipment Testing, Wire Testing, and Other Specified Tests.	1	LS	\$61,000.00	\$61,000.00
28	Startup of all Equipment and Systems and Owner Training	1	LS	\$4,000.00	\$4,000.00
29	Demobilization and Project Clouseout	1	LS	\$2,000.00	\$2,000.00
30	Miscellaneous Items Specified or Indicated Elsewhere But Not Listed Above.	1	LS	\$44,000.00	\$44,000.00
31	Additional Cost for Providing All Shoring and Bracing On All Bid Items Above Including But Not Limited to That as Required By Section 6700-6708 of the Labor Code.	1	LS	\$500.00	\$500.00
<b>TOTAL BASE BID ITEMS 1 - 31</b>					<b>\$1,630,000.00</b>