

**NILE GARDEN WELL 30 WATER SUPPLY PROJECT WELL DRILLING**

Engineers Estimate \$1.5 Million

April 27, 2023

**NOR-CAL PUMP & WELL DRILLING, INC. - YUBA CITY, CA**

<b>ITEM NO.</b>	<b>ITEM DESCRIPTION</b>	<b>ESTIMATED QUANTITIES</b>	<b>UNIT</b>	<b>UNIT PRICE</b>	<b>TOTAL</b>
1	Mobilization/Demobilization	1	Lump Sum	\$ 88,661.00	\$ 88,661
2	All-Weather Pad and Site Access	1	Lump Sum	\$ 2,950.00	\$ 2,950
3	Sound Panel Installation	1	Lump Sum	\$ 60,625.00	\$ 60,625
4	Furnish/Install 36-Inch Conductor Casing (Including Sanitary Seal)	110	Linear Foot	\$ 695.00	\$ 76,450
5	Dill 17.5-inch Pilot Borehole	435	Linear Foot	\$ 90.00	\$ 39,150
6	Geophysical Survey	1	Each	\$ 4,450.00	\$ 4,450
7	Ream 34-inch Diameter Borehole	230	Linear Foot	\$ 110.00	\$ 25,300
8	Ream 30-inch Diameter Borehole	315	Linear Foot	\$ 110.00	\$ 34,650
9	Caliper and Deviation Survey	1	Each	\$ 6,540.00	\$ 6,540
10	Furnish/Install 18-inch Stainless Steel Casing	443	Linear Foot	\$ 569.00	\$ 252,067
11	Furnish/Install 18-inch Stainless Steel Wire Wrap Screen	90	Linear Foot	\$ 466.00	\$ 41,940
12	Furnish/Install 3-inch Gravel Pipe	214	Linear Foot	\$ 30.00	\$ 6,420
13	Furnish/Install 3-inch Sounding Pipe and Port	180	Linear Foot	\$ 79.00	\$ 14,220
14	Furnish/Install 3-inch Camera Pipe and Port	220	Linear Foot	\$ 79.00	\$ 17,380
15	Furnish/Install Gravel Envelope/Bentonite Seals/Fine Sand Transition	345	Linear Foot	\$ 180.00	\$ 62,100
16	Furnish/Install Sand/Cement Annular Seal	200	Linear Foot	\$ 140.00	\$ 28,000
17	Well Development (Swab/Airlift)	40	Hour	\$ 495.00	\$ 19,800
18	Install/Remove Test Pump	1	Lump Sum	\$ 18,500.00	\$ 18,500
19	Well Development with Test Pump	60	Hour	\$ 350.00	\$ 21,000
20	Short-Term Constant Rate Tests	10	Hour	\$ 350.00	\$ 3,500
21	Long-Term Constant Rate Test	16	Hour	\$ 350.00	\$ 5,600
22	Drilling Fluid/Cuttings Disposal	1	Lump Sum	\$ 31,580.00	\$ 31,580
23	Well Disinfection	1	Lump Sum	\$ 4,950.00	\$ 4,950
24	Plumbness Survey, Alignment Test, and Camera Survey	1	Lump Sum	\$ 7,450.00	\$ 7,450
25	Wellhead Security, Site Cleanup and Records	1	Lump Sum	\$ 14,745.00	\$ 14,745
26	Project Signage	1	Lump Sum	\$ 1,500.00	\$ 1,500
27	Repairs to Damage of Landscape, Irrigation, and Replacement of Damaged/Removed Trees	1	Lump Sum	\$ 7,525.00	\$ 7,525
28	Research and Locate Monuments	1	Lump Sum	\$ 2,450.00	\$ 2,450
29	Bonds and Insurance	1	Lump Sum	\$ 28,350.00	\$ 28,350
<b>TOTAL:</b>					<b>\$ 927,853.00</b>

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April 27, 2023

**ZIM INDUSTRIES, INC. - FRESNO, CA**

<b>ITEM NO.</b>	<b>ITEM DESCRIPTION</b>	<b>ESTIMATED QUANTITIES</b>	<b>UNIT</b>	<b>UNIT PRICE</b>	<b>TOTAL</b>
1	Mobilization/Demobilization	1	Lump Sum	\$ 182,000.00	\$ 182,000
2	All-Weather Pad and Site Access	1	Lump Sum	\$ 30,000.00	\$ 30,000
3	Sound Panel Installation	1	Lump Sum	\$ 48,300.00	\$ 48,300
4	Furnish/Install 36-Inch Conductor Casing (Including Sanitary Seal)	110	Linear Foot	\$ 720.00	\$ 79,200
5	Dill 17.5-inch Pilot Borehole	435	Linear Foot	\$ 100.00	\$ 43,500
6	Geophysical Survey	1	Each	\$ 4,500.00	\$ 4,500
7	Ream 34-inch Diameter Borehole	230	Linear Foot	\$ 110.00	\$ 25,300
8	Ream 30-inch Diameter Borehole	315	Linear Foot	\$ 100.00	\$ 31,500
9	Caliper and Deviation Survey	1	Each	\$ 5,500.00	\$ 5,500
10	Furnish/Install 18-inch Stainless Steel Casing	443	Linear Foot	\$ 800.00	\$ 354,400
11	Furnish/Install 18-inch Stainless Steel Wire Wrap Screen	90	Linear Foot	\$ 650.00	\$ 58,500
12	Furnish/Install 3-inch Gravel Pipe	214	Linear Foot	\$ 30.00	\$ 6,420
13	Furnish/Install 3-inch Sounding Pipe and Port	180	Linear Foot	\$ 140.00	\$ 25,200
14	Furnish/Install 3-inch Camera Pipe and Port	220	Linear Foot	\$ 132.00	\$ 29,040
15	Furnish/Install Gravel Envelope/Bentonite Seals/Fine Sand Transition	345	Linear Foot	\$ 158.00	\$ 54,510
16	Furnish/Install Sand/Cement Annular Seal	200	Linear Foot	\$ 110.00	\$ 22,000
17	Well Development (Swab/Airlift)	40	Hour	\$ 570.00	\$ 22,800
18	Install/Remove Test Pump	1	Lump Sum	\$ 30,000.00	\$ 30,000
19	Well Development with Test Pump	60	Hour	\$ 420.00	\$ 25,200
20	Short-Term Constant Rate Tests	10	Hour	\$ 420.00	\$ 4,200
21	Long-Term Constant Rate Test	16	Hour	\$ 420.00	\$ 6,720
22	Drilling Fluid/Cuttings Disposal	1	Lump Sum	\$ 75,000.00	\$ 75,000
23	Well Disinfection	1	Lump Sum	\$ 4,000.00	\$ 4,000
24	Plumbness Survey, Alignment Test, and Camera Survey	1	Lump Sum	\$ 12,000.00	\$ 12,000
25	Wellhead Security, Site Cleanup and Records	1	Lump Sum	\$ 5,500.00	\$ 5,500
26	Project Signage	1	Lump Sum	\$ 2,000.00	\$ 2,000
27	Repairs to Damage of Landscape, Irrigation, and Replacement of Damaged/Removed Trees	1	Lump Sum	\$ 39,000.00	\$ 39,000
28	Research and Locate Monuments	1	Lump Sum	\$ 8,000.00	\$ 8,000
29	Bonds and Insurance	1	Lump Sum	\$ 15,000.00	\$ 15,000
				<b>TOTAL:</b>	<b>\$ 1,249,290.00</b>

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April 27, 2023

**WELL INDUSTRIES, INC. - CHICO, CA**

<b>ITEM NO.</b>	<b>ITEM DESCRIPTION</b>	<b>ESTIMATED QUANTITIES</b>	<b>UNIT</b>	<b>UNIT PRICE</b>	<b>TOTAL</b>
1	Mobilization/Demobilization	1	Lump Sum	\$ 152,627.50	\$ 152,628
2	All-Weather Pad and Site Access	1	Lump Sum	\$ 20,000.00	\$ 20,000
3	Sound Panel Installation	1	Lump Sum	\$ 150,000.00	\$ 150,000
4	Furnish/Install 36-Inch Conductor Casing (Including Sanitary Seal)	110	Linear Foot	\$ 950.00	\$ 104,500
5	Dill 17.5-inch Pilot Borehole	435	Linear Foot	\$ 200.00	\$ 87,000
6	Geophysical Survey	1	Each	\$ 7,000.00	\$ 7,000
7	Ream 34-inch Diameter Borehole	230	Linear Foot	\$ 250.00	\$ 57,500
8	Ream 30-inch Diameter Borehole	315	Linear Foot	\$ 250.00	\$ 78,750
9	Caliper and Deviation Survey	1	Each	\$ 8,000.00	\$ 8,000
10	Furnish/Install 18-inch Stainless Steel Casing	443	Linear Foot	\$ 900.00	\$ 398,700
11	Furnish/Install 18-inch Stainless Steel Wire Wrap Screen	90	Linear Foot	\$ 750.00	\$ 67,500
12	Furnish/Install 3-inch Gravel Pipe	214	Linear Foot	\$ 75.00	\$ 16,050
13	Furnish/Install 3-inch Sounding Pipe and Port	180	Linear Foot	\$ 195.00	\$ 35,100
14	Furnish/Install 3-inch Camera Pipe and Port	220	Linear Foot	\$ 190.00	\$ 41,800
15	Furnish/Install Gravel Envelope/Bentonite Seals/Fine Sand Transition	345	Linear Foot	\$ 75.00	\$ 25,875
16	Furnish/Install Sand/Cement Annular Seal	200	Linear Foot	\$ 300.00	\$ 60,000
17	Well Development (Swab/Airlift)	40	Hour	\$ 90.00	\$ 3,600
18	Install/Remove Test Pump	1	Lump Sum	\$ 45,000.00	\$ 45,000
19	Well Development with Test Pump	60	Hour	\$ 750.00	\$ 45,000
20	Short-Term Constant Rate Tests	10	Hour	\$ 1,000.00	\$ 10,000
21	Long-Term Constant Rate Test	16	Hour	\$ 1,000.00	\$ 16,000
22	Drilling Fluid/Cuttings Disposal	1	Lump Sum	\$ 100,000.00	\$ 100,000
23	Well Disinfection	1	Lump Sum	\$ 25,000.00	\$ 25,000
24	Plumbness Survey, Alignment Test, and Camera Survey	1	Lump Sum	\$ 14,000.00	\$ 14,000
25	Wellhead Security, Site Cleanup and Records	1	Lump Sum	\$ 15,000.00	\$ 15,000
26	Project Signage	1	Lump Sum	\$ 8,500.00	\$ 8,500
27	Repairs to Damage of Landscape, Irrigation, and Replacement of Damaged/Removed Trees	1	Lump Sum	\$ 20,000.00	\$ 20,000
28	Research and Locate Monuments	1	Lump Sum	\$ 14,000.00	\$ 14,000
29	Bonds and Insurance	1	Lump Sum	\$ 20,000.00	\$ 20,000
				<b>TOTAL:</b>	<b>\$ 1,646,502.50</b>

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**WILDBERON DRILLING - ROCKLIN, CA**

<b>ITEM NO.</b>	<b>ITEM DESCRIPTION</b>	<b>ESTIMATED QUANTITIES</b>	<b>UNIT</b>	<b>UNIT PRICE</b>	<b>TOTAL</b>
1	Mobilization/Demobilization	1	Lump Sum	\$ 38,000.00	\$ 38,000.00
2	All-Weather Pad and Site Access	1	Lump Sum	\$ 45,084.75	\$ 45,084.75
3	Sound Panel Installation	1	Lump Sum	\$ 88,500.46	\$ 88,500.46
4	Furnish/Install 36-Inch Conductor Casing (Including Sanitary Seal)	110	Linear Foot	\$ 478.50	\$ 52,635.00
5	Dill 17.5-inch Pilot Borehole	435	Linear Foot	\$ 669.16	\$ 291,084.60
6	Geophysical Survey	1	Each	\$ 4,850.00	\$ 4,850.00
7	Ream 34-inch Diameter Borehole	230	Linear Foot	\$ 779.38	\$ 179,257.40
8	Ream 30-inch Diameter Borehole	315	Linear Foot	\$ 853.61	\$ 268,887.15
9	Caliper and Deviation Survey	1	Each	\$ 8,950.00	\$ 8,950.00
10	Furnish/Install 18-inch Stainless Steel Casing	443	Linear Foot	\$ 390.93	\$ 173,181.99
11	Furnish/Install 18-inch Stainless Steel Wire Wrap Screen	90	Linear Foot	\$ 389.07	\$ 35,016.30
12	Furnish/Install 3-inch Gravel Pipe	214	Linear Foot	\$ 103.68	\$ 22,187.52
13	Furnish/Install 3-inch Sounding Pipe and Port	180	Linear Foot	\$ 111.33	\$ 20,039.40
14	Furnish/Install 3-inch Camera Pipe and Port	220	Linear Foot	\$ 75.93	\$ 16,704.60
15	Furnish/Install Gravel Envelope/Bentonite Seals/Fine Sand Transition	345	Linear Foot	\$ 275.23	\$ 94,954.35
16	Furnish/Install Sand/Cement Annular Seal	200	Linear Foot	\$ 309.27	\$ 61,854.00
17	Well Development (Swab/Airlift)	40	Hour	\$ 800.00	\$ 32,000.00
18	Install/Remove Test Pump	1	Lump Sum	\$ 18,260.00	\$ 18,260.00
19	Well Development with Test Pump	60	Hour	\$ 800.00	\$ 48,000.00
20	Short-Term Constant Rate Tests	10	Hour	\$ 650.00	\$ 6,500.00
21	Long-Term Constant Rate Test	16	Hour	\$ 650.00	\$ 10,400.00
22	Drilling Fluid/Cuttings Disposal	1	Lump Sum	\$ 98,500.00	\$ 98,500.00
23	Well Disinfection	1	Lump Sum	\$ 26,532.00	\$ 26,532.00
24	Plumbness Survey, Alignment Test, and Camera Survey	1	Lump Sum	\$ 13,500.00	\$ 13,500.00
25	Wellhead Security, Site Cleanup and Records	1	Lump Sum	\$ 36,425.00	\$ 36,425.00
26	Project Signage	1	Lump Sum	\$ 6,125.00	\$ 6,125.00
27	Repairs to Damage of Landscape, Irrigation, and Replacement of Damaged/Removed Trees	1	Lump Sum	\$ 5,000.00	\$ 5,000.00
28	Research and Locate Monuments	1	Lump Sum	\$ 8,500.00	\$ 8,500.00
29	Bonds and Insurance	1	Lump Sum	\$ 20,000.00	\$ 20,000.00
				<b>TOTAL:</b>	<b>\$ 1,730,929.52</b>