

**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**

ITEM NO.	ITEM DESCRIPTION	ESTIMATED QUANTITIES	UNIT	UNIT PRICE	TOTAL
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>