

Owner: Stockton Town
Project: New Culinary Well
Project #: Project Development
PM: Ted Mickelsen
Date: 12/2/2022



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ENGINEER'S OPINION OF PROBABLE COST					
Item No.	Item Description	Unit	Estimated Quantity	Unit Price	Price
Construction Costs					
1	Mobilization / DeMob	LS	1	\$ 246,000.00	\$ 246,000.00
2	Quality Control	LS	1	\$ 30,000.00	\$ 30,000.00
3	Temporary Facilities Controls	LS	1	\$ 15,000.00	\$ 15,000.00
4	Construction Staking	LS	1	\$ 10,000.00	\$ 10,000.00
5	Drill 8-inch Diameter Exploration Pilot Borehole	L.F.	630	\$ 275.00	\$ 173,250.00
6	Air Lift Testing and Recovery	Hrs	8	\$ 2,200.00	\$ 17,600.00
7	Geophysical Logging of Exploratory and Production Borehole	L.F.	1,000	\$ 15.00	\$ 15,000.00
8	Drill 24-inch Diameter Surface Casing Borehole	L.F.	120	\$ 760.00	\$ 91,200.00
9	Furnish and Install 20-inch Surface Casing and Certified Grout Seal	L.F.	120	\$ 800.00	\$ 96,000.00
10	Drill 16-inch Production Borehole	L.F.	380	\$ 200.00	\$ 76,000.00
11	Furnish and Install 12-inch Casing	L.F.	45	\$ 165.00	\$ 7,425.00
12	Furnish and Install Well Screen	L.F.	415	\$ 275.00	\$ 114,125.00
13	Furnish and Install Gravel Pack and Bentonite Plug	L.F.	480	\$ 45.00	\$ 21,600.00
14	Furnish and Install Certified Well Seal for Production Casing	L.F.	120	\$ 290.00	\$ 34,800.00
15	Well Development with Drill Rig	Hrs	40	\$ 1,600.00	\$ 64,000.00
16	Furnish, Install,, and Remove Testing Equipment	L.S.	1	\$ 15,000.00	\$ 15,000.00
17	Development Pumping and Test Pumping	Hrs	72	\$ 285.00	\$ 20,520.00
18	Downhole Video Camera Inspection	L.S.	1	\$ 5,500.00	\$ 5,500.00
19	Disinfect Well	L.S.	1	\$ 3,500.00	\$ 3,500.00
20	Standby Time	Hrs	8	\$ 450.00	\$ 3,600.00
21	Plug and Abandon Exploratory Pilot Borehole	L.F.	500	\$ 35.00	\$ 17,500.00
Well Drilling Costs					\$ 1,077,620.00
22	Paved Parking and Access	S.F.	5,200	\$ 10.00	\$ 52,000.00
23	New Well Pump and Motor (est 125 HP)	Each	1	\$ 125,000.00	\$ 125,000.00
24	Building Structure	S.F.	600	\$ 275.00	\$ 165,000.00
25	Internal Piping and Mechanical	L.S.	1	\$ 120,000.00	\$ 120,000.00
26	Electrical, A/C, Heating, Panels	L.S.	1	\$ 75,000.00	\$ 75,000.00
27	Building Electrical Hookup	L.S.	1	\$ 40,000.00	\$ 40,000.00
29	SCADA System	L.S.	1	\$ 65,000.00	\$ 65,000.00
30	4" Electrical Conduit and Electrical Connection	L.S.	1	\$ 20,000.00	\$ 20,000.00
31	Back-Up Generator and Pad	L.S.	1	\$ 135,000.00	\$ 135,000.00
32	Transformer and Pad	L.S.	1	\$ 35,000.00	\$ 35,000.00
33	Site 8 inch Gate Valve	Each	6	\$ 8,000.00	\$ 48,000.00
34	Connect to Existing System	L.S.	1	\$ 300,000.00	\$ 300,000.00
Well Equipping and Building Costs					\$ 1,180,000.00
TOTAL CONSTRUCTION COSTS					\$ 2,257,620.00
Non-Construction Costs					
			Estimating Contingency	12%	\$ 270,914.40
E-1	Engineering and Construction Management	%	12	\$ 303,424.13	\$ 303,424.13
P-1	Property Easements or Acquisition	L.S.	1	\$ 25,000.00	\$ 25,000.00
TOTAL NON-CONSTRUCTION COSTS					\$ 599,338.53
PM-1	Administrative and Legal Costs	%	5	\$ 142,847.93	\$ 142,847.93
TOTAL PROBABLE PROJECT COSTS FOR WELL #3 AND PIPELINES					\$ 3,000,000.00

In providing estimates of probable construction cost, the Client understands that the Consultant has no control over the cost or availability of labor, equipment or materials, or over market conditions or the Contractor's method of pricing, and that the Consultant's estimates of probable construction costs are made on the basis of the consultant's professional judgement and experience. The Consultant makes no warranty, express or implied, that the bids or negotiated costs of the Work will not vary from the Consultant's estimate of probable construction cost.