

**Preliminary Engineer's Opinion of Probable Project Costs (note variation bid item)**

PROJECT NAME: **Augmentation Well Project -- Drilling, Development, & Equipping**  
*Rancho Murieta Community Services District*



DESCRIPTION	QTY.	UNIT	UNIT PRICE	AMOUNT
<b>BASE BID ITEMS (WELLS PW-B)</b>				
1. Mobilization and Demobilization	1	LS	\$100,000.00	\$100,000.00
2. All-Weather Pad	1	LS	\$8,000.00	\$8,000.00
3. Furnish/Install Temporary Conductor Casing	50	LF	\$500.00	\$25,000.00
4. Geophysical Survey	1	EA	\$3,000.00	\$3,000.00
5. Install 30-inch Conductor Casing (including Sanitary Seal)	50	LF	\$600.00	\$30,000.00
6. Drill 20-inch Borehole	350	LF	\$150.00	\$52,500.00
7. Caliper and Deviation/Plumbness Survey	1	EA	\$8,000.00	\$8,000.00
8. Furnish/Install 14-inch Steel Casing	250	LF	\$150.00	\$37,500.00
9. Furnish/Install 14-inch Steel Screen	75	LF	\$150.00	\$11,250.00
10. Furnish/Install Gravel Pack	115	LF	\$50.00	\$5,750.00
11. Furnish/Install Transition Sand	10	LF	\$100.00	\$1,000.00
12. Construct Annular Seal (10.3 Sack Sand Cement)	220	LF	\$50.00	\$11,000.00
13. Well Development with Rig	36	HR	\$500.00	\$18,000.00
14. Install/Remove Test Pump	1	LS	\$9,000.00	\$9,000.00
15. Well Development with Test Pump	24	HR	\$450.00	\$10,800.00
16. Step Drawdown Pump Test (One well)	12	HR	\$450.00	\$5,400.00
17. Continuous Pump Test (One well)	26	HR	\$450.00	\$11,700.00
18. Mud/Cuttings Disposal	1	LS	\$15,000.00	\$15,000.00
19. Disinfection	1	LS	\$1,500.00	\$1,500.00
20. Plumbness Test, Alignment Test, and Video Log	1	LS	\$4,000.00	\$4,000.00
<b>SUB-TOTAL (Probable Construction Cost of Base Bid Items)</b>				<b>\$368,400.00</b>
Contingency (20%)				<b>\$73,680.00</b>
<b>TOTAL OPINION OF PROBABLE BASE CONSTRUCTION COST</b>				<b>\$442,100.00</b>

**ALTERNATE BID ITEMS**

4. Drill 8-inch Test Hole	350	LF	\$90.00	\$31,500.00
22. Abandon 8-inch Test Hole	350	LF	\$25.00	\$8,750.00
23. Abandon 20-inch Borehole	340	LF	\$60.00	\$20,400.00
24. Furnish/Install 14-inch Stainless Steel Casing	258	LF	\$450.00	\$116,100.00
25. Furnish/Install Transition Coupling	1	EA	\$8,000.00	\$8,000.00
26. Furnish/Install 14-inch Stainless Steel Wire Wrap Screen	75	LF	\$275.00	\$20,625.00