



JUB ENGINEERS, INC.

**Schedule A: Well No.1 Site (C-101)**

				Bidders:							
Item No.	Item Description	Unit	Quantity	Hydro Resources		Lang Equipment		KP Ventures		Boart Long Year	
				Bid Unit Price	Bid Price	Bid Unit Price	Bid Price	Bid Unit Price	Bid Price	Bid Unit Price	Bid Price
A.1	Mobilization, Demobilization, Bonding, and SWPPP	LS	1	\$115,000	\$115,000	\$85,000	\$85,000	\$120,000	\$120,000	\$95,313	\$95,313
A.2	Borehole drilling (18" min dia., 0 to 40 feet)	LF	40	\$442	\$17,680	\$300	\$12,000	\$600	\$24,000	\$574	\$22,960
A.3	Furnish and install 14" dia conductor casing (0 to 40 feet)	LF	40	\$84	\$3,360	\$105	\$4,200	\$200	\$8,000	\$165	\$6,600
A.4	Surface seal installation (Conductor casing seal between 18" borehole and 14" conductor casing)	CF	40	\$130	\$5,200	\$60	\$2,400	\$100	\$4,000	\$524	\$20,960
A.5	Borehole drilling (10" min dia. 40 to 1,200 feet)	LF	1,160	\$156	\$180,960	\$160	\$185,600	\$160	\$185,600	\$280	\$324,800
A.6	Collect formation samples	LS	1	\$1,000	\$1,000	\$2,000	\$2,000	\$3,500	\$3,500	\$471	\$471
A.7	Geophysical logging (SWL to 1,200 feet)	LS	1	\$8,700	\$8,700	\$7,000	\$7,000	\$12,000	\$12,000	\$13,500	\$13,500
A.8	Caliper survey	LS	1	\$4,600	\$4,600	\$7,000	\$7,000	\$3,500	\$3,500	\$9,335	\$9,335
A.9	Furnish and install top and bottom cap.	LS	1	\$230	\$230	\$500	\$500	\$1,000	\$1,000	\$855	\$855
A.10	Furnish and install 5" dia. well casing (0 to 1,200 feet) with centralizers	LF	1,200	\$32	\$38,400	\$35	\$42,000	\$60	\$72,000	\$45	\$54,000
A.11	Furnish and install silica gravel pack	CF	410	\$21	\$8,610	\$65	\$26,650	\$80	\$32,800	\$41	\$16,810
A.12	Perforate 5" dia. well casing	LF	300	\$85	\$25,500	\$40	\$12,000	\$200	\$60,000	\$77	\$23,100
A.13	Airlift development with rig(12 hours per zone)	HR	36	\$750	\$27,000	\$650	\$23,400	\$850	\$30,600	\$950	\$34,200
A.14	Furnish and install 10 ft bentonite plug	EA	3	\$3,700	\$11,100	\$1,500	\$4,500	\$2,500	\$7,500	\$1,959	\$5,877
A.15	Install and remove test pump	EA	3	\$5,200	\$15,600	\$3,000	\$9,000	\$25,000	\$75,000	\$9,425	\$28,275
A.16	Zone pump testing and monitoring	HR	36	\$525	\$18,900	\$480	\$17,280	\$600	\$21,600	\$685	\$24,660
A.17	Water quality sampling (at end of each zone test)	EA	3	\$2,728	\$8,184	\$350	\$1,050	\$4,000	\$12,000	\$784	\$2,352
A.18	Well recovery monitoring (after each zone test)	HR	12	\$475	\$5,700	\$300	\$3,600	\$450	\$5,400	\$615	\$7,380
A.19	Cement grout installation (between 12.25" dia borehole and 5" casing (between test zones), between 14" dia casing and 5" casing to surface, and inside 5" casing to the surface) See Figure 4, items 9 & 10	CF	890	\$45	\$40,050	\$65	\$57,850	\$80	\$71,200	\$105	\$93,450
<b>Total (Base Bid A):</b>				\$535,774		\$503,030		\$749,700		\$784,898	



**Schedule B: Well No.2 Site (C-102)**

				Hydro Resources		Lang Equipment		KP Ventures		Boart Long Year	
Item No.	Item Description	Unit	Quantity	Bid Unit Price	Bid Price	Bid Unit Price	Bid Price	Bid Unit Price	Bid Price	Bid Unit Price	Bid Price
B.1	Mobilization, Demobilization, Bonding, and SWPPP	LS	1	\$95,000	\$95,000	\$40,000	\$40,000	\$40,000	\$40,000	\$95,313	\$95,313
B.2	Borehole drilling (18" min dia., 0 to 40 feet)	LF	40	\$442	\$17,680	\$300	\$12,000	\$600	\$24,000	\$574	\$22,960
B.3	Furnish and install 14" dia conductor casing (0 to 40 feet)	LF	40	\$84	\$3,360	\$105	\$4,200	\$200	\$8,000	\$165	\$6,600
B.4	Surface seal installation (Conductor casing seal between 18" borehole and 14" conductor casing)	CF	40	\$130	\$5,200	\$60	\$2,400	\$100	\$4,000	\$524	\$20,960
B.5	Borehole drilling (10" min dia. 40 to 1,200 feet)	LF	1,160	\$156	\$180,960	\$160	\$185,600	\$160	\$185,600	\$280	\$324,800
B.6	Collect formation samples	LS	1	\$1,000	\$1,000	\$2,000	\$2,000	\$3,500	\$3,500	\$471	\$471
B.7	Geophysical logging (SWL to 1,200 feet)	LS	1	\$8,700	\$8,700	\$7,000	\$7,000	\$12,000	\$12,000	\$13,500	\$13,500
B.8	Caliper survey	LS	1	\$4,600	\$4,600	\$7,000	\$7,000	\$3,500	\$3,500	\$9,335	\$9,335
B.9	Furnish and install top and bottom cap.	LS	1	\$230	\$230	\$500	\$500	\$1,000	\$1,000	\$855	\$855
B.10	Furnish and install 5" dia. well casing (0 to 1,200 feet) with centralizers	LF	1,200	\$32	\$38,400	\$35	\$42,000	\$60	\$72,000	\$45	\$54,000
B.11	Furnish and install silica gravel pack	CF	410	\$21	\$8,610	\$65	\$26,650	\$80	\$32,800	\$41	\$16,810
B.12	Perforate 5" dia. well casing	LF	300	\$85	\$25,500	\$40	\$12,000	\$200	\$60,000	\$77	\$23,100
B.13	Airlift development with rig	HR	36	\$750	\$27,000	\$650	\$12,600	\$850	\$30,600	\$950	\$34,200
B.14	Furnish and install 10 ft bentonite plug	EA	3	\$3,700	\$11,100	\$1,500	\$4,500	\$2,500	\$7,500	\$1,959	\$5,877
B.15	Install and remove test pump	EA	3	\$5,200	\$15,600	\$3,000	\$9,000	\$25,000	\$75,000	\$9,425	\$28,275
B.16	Zone pump testing and monitoring	HR	36	\$525	\$18,900	\$480	\$17,280	\$600	\$21,600	\$685	\$24,660
B.17	Water quality sampling (at end of each zone test)	EA	3	\$2,728	\$8,184	\$350	\$1,050	\$4,000	\$12,000	\$784	\$2,352
B.18	Well recovery monitoring (after each zone test)	HR	12	\$475	\$5,700	\$300	\$3,600	\$450	\$5,400	\$615	\$7,380
B.19	Cement grout installation (between 12.25" dia borehole and 5" casing (between test zones), between 14" dia casing and 5" casing to surface, and inside 5" casing to the surface) See Figure 4, items 9 & 10	CF	890	\$45	\$40,050	\$65	\$57,850	\$80	\$71,200	\$105	\$93,450
<b>Total (Base Bid B):</b>				\$515,774		\$447,230		\$669,700		\$784,897	



J-U-B ENGINEERS, INC.

**Schedule C: Proposed Public Water System (PWS) Well**

Bidders:

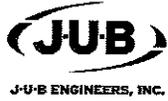
Item No.	Item Description	Unit	Quantity	Hydro Resources		Lang Equipment		KP Ventures		Boart Long Year	
				Bid Unit Price	Bid Price	Bid Unit Price	Bid Price	Bid Unit Price	Bid Price	Bid Unit Price	Bid Price
C.1	Mobilization and Demo	LS	1	\$118,000	\$118,000	\$167,000	\$167,000	\$125,000	\$125,000	\$184,944	\$184,944
C.2	Drill Minimum 40-inch diameter conductor casing borehole	LF	40	\$496	\$19,840	\$690	\$27,600	\$1,000	\$40,000	\$1,373	\$54,920
C.3	Furnish Minimum 32-Inch Diameter (Conductor Casing)	LF	40	\$270	\$10,800	\$230	\$9,200	\$250	\$10,000	\$258	\$10,320
C.4	Install Minimum 32-Inch Diameter Conductor Casing	LF	40	\$86	\$3,440	\$115	\$4,600	\$200	\$8,000	\$195	\$7,800
C.5	Furnish and Install Well Seal for Conductor Casing	CF	160	\$110	\$17,600	\$75	\$12,000	\$80	\$12,800	\$110	\$17,600
C.6	Drill Minimum 28-Inch Diameter Production Borehole	LF	1170	\$365	\$427,050	\$460	\$538,200	\$190	\$222,300	\$616	\$720,720
C.7	Geophysical Logging of Production Borehole	LF	1210	\$9.5	\$11,495	\$14	\$16,940	\$10	\$12,100	\$20.7	\$25,095
C.8	Furnish Nominal 20-Inch Diameter Steel for Production Casing	LF	701.5	\$180	\$126,270	\$144	\$101,016	\$150	\$105,225	\$180	\$126,270
C.9	Install Nominal 20-Inch Diameter Steel for Production Casing	LF	701.5	\$40	\$28,060	\$86	\$60,329	\$40	\$28,060	\$69	\$48,404
C.10	Furnish Nominal 20-Inch Diameter Stainless Steel Wire-Wrap Well Screen	LF	500	\$400	\$200,000	\$322	\$161,000	\$315	\$157,500	\$386	\$193,000
C.11	Install Nominal 20-Inch Diameter Stainless Steel Wire-Wrap Well Screen	LF	500	\$40	\$20,000	\$86	\$43,000	\$40	\$20,000	\$79	\$39,500
C.12	Furnish and Install Filter Pack and Bentonite Plug	CF	2885	\$31	\$89,435	\$75	\$216,375	\$70	\$201,950	\$41	\$118,285
C.13	Furnish and Install Well Seal for Production Casing	CF	350	\$110	\$38,500	\$75	\$26,250	\$80	\$28,000	\$98	\$34,300
C.14	Well Development with Drill Rig	HR	100	\$750	\$75,000	\$800	\$80,000	\$800	\$80,000	\$950	\$95,000
C.15	Mobilization and Demobilization of Dual-Swab Rig	LS	1	\$28,500	\$28,500	\$23,000	\$23,000	\$15,000	\$15,000	\$51,594	\$51,594



J-U-B ENGINEERS, INC.

**Schedule C: Proposed Public Water System (PWS) Well (Continued)**

Item No.	Item Description	Unit	Quantity	Hydro Resources		350		4000		784	
				Bid Unit Price	Bid Price	Bid Unit Price	Bid Price	Bid Unit Price	Bid Price	Bid Unit Price	Bid Price
C.16	Well Development with Dual-Swab Rig	HR	200	\$550	\$110,000	\$460	\$92,000	\$600	\$120,000	\$430	\$86,000
	Furnish, Install and Remove Test Pumping										
C.17	Equipment	LS	1	\$68,000	\$68,000	\$51,750	\$51,750	\$68,000	\$68,000	\$89,057	\$89,057
C.18	Development and Test Pumping	HR	100	\$600	\$60,000	\$690	\$69,000	\$700	\$70,000	\$430	\$43,000
C.19	Perform Plumbness and Alignment Survey	LS	1	\$3,500	\$3,500	\$4,600	\$4,600	\$9,600	\$9,600	\$12,858	\$12,858
C.20	Downhole Video Camera Inspection	LF	1200	\$4	\$4,800	\$3.5	\$4,200	\$8	\$9,600	\$7	\$8,400
C.21	Disinfect Well	LS	1	\$4,000	\$4,000	\$4,600	\$4,600	\$5,000	\$5,000	\$3,365	\$3,365
C.22	Standby Time	HR	16	\$550	\$8,800	\$345	\$5,520	\$700	\$11,200	\$630	\$10,080
C.23	Rig Time/Additional Work	HR	16	\$750	\$12,000	\$345	\$5,520	\$800	\$12,800	\$920	\$14,720
<b>Total (Base Bid C):</b>					\$1,485,090		\$1,723,700		\$1,372,135		\$1,995,231.9



		Bidders:			
		Hydro Resources	Lang Equipment	KP Ventures	Boart Long Year
<b>TOTAL BID PRICE:</b>		\$2,536,638	\$2,673,960	\$2,791,535	\$3,565,024.9
<b>Difference from low bid:</b>			\$137,322	\$254,897	\$1,028,387

**Schedule D: Optional Bid Items**

				Bidders:							
				Hydro Resources		Lang Equipment		KP Ventures		Boart Long Year	
Item No.	Item Description	Unit	Quantity	Bid Unit Price	Bid Price	Bid Unit Price	Bid Price	Bid Unit Price	Bid Price	Bid Unit Price	Bid Price
D.1	Noise Control at High School Well Site	Per Day	60	\$1,120	\$67,200	\$600	\$36,000	\$800	\$48,000	\$1,569	\$94,140
	Drilling Cutting Disposals off-site from the										
D.2	High School Well	CY	50	\$925	\$46,250	\$40	\$2,000	\$300	\$15,000	N/A	
	Plug and Abandon Borehole - Exploration										
D.3	Well	LS	2	\$31,950	\$63,900	\$16,000	\$32,000	\$34,000	\$68,000	N/A	
D.4	Plug and Abandon Borehole - PWS Well	LS	1	\$70,300	\$70,300	\$240,000	\$240,000	\$185,000	\$185,000	N/A	
<b>Total:</b>				\$247,650		\$310,000		\$316,000		\$94,140	