

**TOWN OF
APPLE VALLEY, CALIFORNIA**

AGENDA MATTER

Subject Item:

AWARD CONTRACT FOR THE CONSTRUCTION OF A NEW IRRIGATION WELL FOR THE APPLE VALLEY COUNTRY CLUB GOLF COURSE

Summary Statement:

At the February 9, 2010 Town Council Meeting, staff presented a report to the Town Council regarding the need for a new irrigation well at the Apple Valley Country Club. The cost of a new irrigation well capable of supporting the golf course irrigation needs was estimated to be from \$300,000 to \$350,000. The Town Council authorized staff to advertise for construction bids to drill a new well for irrigation at the golf course.

On March 7th and March 14th, staff advertised for construction bids for a new irrigation well for the Apple Valley Country Club Golf Course. On April 1, 2010, at 2:00p.m. bids were received and opened for this project.

Bids for the contract work were received from four well drilling companies. The bidding results are as follows:

<u>Contractor</u>	<u>Bid</u>
Southwest Pump & Drilling Inc.	\$369,744
Palm Springs Pump & Drillings	\$381,749
Bakersfield Well & Pump Company	\$390,056
Best Drilling & Pump Inc.	\$418,791

See attached bid results.

Recommended Action:

Award bid for construction of a new irrigation well at Apple Valley Country Club Golf Course and authorize the Town Manager to sign a contract for the work with Southwest Pump & Drilling Inc., subject to "Approval as to Form" by the Town Attorney and "Approval as to Content" by the Town Manager.

Proposed by: Dennis Cron, Assistant Town Manager Item Number: _____

T. M. Approval: _____ Budgeted Item Yes No N/A

BID RESULTS FOR TOWN OF APPLE VALLEY-AVCC REPLACEMENT WELL CONSTRUCTION

No.	Description	Qty.	Unit	1ST Low Bidder:		2ND Low Bidder:		3RD Low Bidder:		4TH Low Bidder:		
				Southwest Pump	Amount	Palm Springs Pump	Unit Price	Amount	Unit Price	Bakersfield Well	Amount	Unit Price
1	Mobilize and demobilize direct rotary drill-rig, drilling equipment and accessories and implement BMPs for well development and testing fluids, as specified, for the lump sum price of	1	LS	Lump Sum	\$70,000	Lump Sum		\$46,000	Lump Sum	\$65,000	Lump Sum	\$51,000
2	Install and maintain up to 500 ft of noise barrier walls as specified and implement other noise control measures as necessary	500	LF	\$1.00	\$500	\$60.00	\$30,000	\$60.00	\$30,000	\$35.00	\$17,500	
3	Drill 36" dia. hole (minimum), and furnish and install 30" (O.D.) x 5/16" (min.) carbon steel conductor casing to 50 ft bgs	50	LF	\$550.00	\$27,500	\$93.00	\$4,650	\$300.00	\$15,000	\$450.00	\$22,500	
4	Drill pilot borehole to a depth of 650 ft bgs below bottom of conductor casing with 12- to 18-inch diameter drill bit, collect formation samples, monitor mud properties, and perform related work	600	LF	\$50.00	\$30,000	\$45.00	\$27,000	\$33.00	\$19,800	\$65.00	\$39,000	
5	Provide down-hole geophysical surveys consisting of spontaneous potential, short (16-inch) and long (64-inch) normal resistivity, laterolog, focused resistivity, and gamma-ray surveys	1	LS	Lump Sum	\$5,500	Lump Sum	\$13,500	Lump Sum	\$4,460	Lump Sum	\$1,500	
6	Perform aquifer zone isolation tests in the pilot borehole, collect and deliver groundwater samples to laboratory, and pay for specified analyses for the per zone unit price of	2	Per Zone	\$5,000.00	\$10,000	\$3,000.00	\$6,000	\$10,000.00	\$20,000	\$15,000.00	\$30,000	
7	Install Optional 30-ft to 40-ft bentonite pilot hole bottom seal for the lump sum price of	1	LS	Lump Sum	\$500	Lump Sum	\$1,000	Lump Sum	\$750	Lump Sum	\$1,500	
8	Ream pilot hole to 26-inches in diameter from 50 ft bgs to 650 ft bgs	600	LF	\$50.00	\$30,000	\$35.00	\$21,000	\$40.00	\$24,000	\$55.00	\$33,000	
9	Provide for one caliper survey after completion of pilot borehole ream	1	LS	Lump Sum	\$2,000	Lump Sum	\$2,500	Lump Sum	\$1,570	Lump Sum	\$1,500	
10A	Furnish and install 16-inch I.D. by 5/16-inch wall high strength and low alloy (HSLA) steel blank well casing from 2 ft above ground surface to 570 ft bgs (interspersed with lowered well casing)	272	LF	\$125.00	\$34,000	\$118.00	\$32,096	\$175.00	\$47,600	\$155.00	\$42,160	
10B	Furnish and install 16-inch I.D. by 5/16-inch wall by 0.075 inch slot Roscoe Moss "Ful-Flu" high strength low alloy (HSLA) steel lowered well casing from 250 ft to 570-ft bgs	300	LF	\$178.00	\$53,400	\$165.00	\$49,500	\$248.00	\$74,400	\$210.00	\$63,000	

BID RESULTS FOR TOWN OF APPLE VALLEY-AVCC REPLACEMENT WELL CONSTRUCTION

No.	Description	Qty.	Unit	Unit Price	1ST Low Bidder: Southwest Pump		2ND Low Bidder: Palm Springs Pump		3RD Low Bidder: Bakersfield Well		4TH Low Bidder: Best Drilling	
					Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price
10C	Furnish and install 16-inch I.D. by 5/16-inch blank high strength low alloy (HSLA) steel cellar pipe and end cap between 570 ft and 600 ft bgs.	30	LF	\$140.00	\$4,200	\$118.00	\$3,540	\$175.00	\$5,250	\$155.00	\$4,650	
10D	Furnish and install 4-inch I.D. Schedule 40 mild carbon steel gravel feed tube from 2 ft above ground surface to 120 ft bgs.	122	LF	\$19.00	\$2,318	\$12.00	\$1,464	\$10.50	\$1,281	\$15.00	\$1,830	
10E	Furnish and install a 4-foot long, 3-inch I.D. Schedule 40 mild carbon steel vent tube from 2-ft above ground surface to 2-ft bgs.	4	LF	\$15.00	\$60	\$6.00	\$24	\$7.50	\$30	\$35.00	\$140	
10F	Furnish and install two (2) 577 foot long 2-inch diam. Schedule 80 mild carbon steel sounding tubes with a 1-foot port opening from 2-ft above ground surface to 575 ft bgs.	1154	LF	\$4.00	\$4,616	\$6.00	\$6,924	\$5.00	\$5,770	\$9.00	\$10,386	
11	Furnish and install Tacna Sand and Gravel Inc., or equivalent, 5/16 x 1/8 gradation gravel pack from 100 ft to 620-ft bgs.	520	LF	\$48.00	\$24,960	\$15.00	\$7,800	\$25.00	\$13,000	\$55.00	\$28,600	
12	Install cement annular grout seal from 5-ft bgs to 100 ft bgs.	95	LF	\$82.00	\$7,790	\$45.00	\$4,275	\$25.00	\$2,375	\$55.00	\$5,225	
13	Conduct Alignment and Deviation Survey to the total depth of the well.	1	LS	Lump Sum	\$2,500	Lump Sum	\$1,800	Lump Sum	\$2,350	Lump Sum	\$2,000	
14	Standby Time as requested by the Owner and Geologist for the per hour unit cost of	24	Hr	\$300.00	N/A	\$426.00	N/A	\$175.00	N/A	\$300.00	N/A	
15	Mechanically develop water well by swabbing and air-lift pumping (only actual swabbing or surging time shall be attributed to development time).	48	Hr	\$400.00	\$19,200	\$412.00	\$19,776	\$300.00	\$14,400	\$300.00	\$14,400	
16A	Chemicals for well development: chlorine solution for the per gallon price of	60	Gal	\$5.00	\$300	\$5.00	\$300	\$7.50	\$450	\$5.00	\$300	
16B	Chemicals for well development: NW-220, or Aqua-Clear PFD (or equivalent)	8	Gal	\$75.00	\$600	\$25.00	\$200	\$90.00	\$720	\$75.00	\$600	
17	Mobilization and demobilization of a temporary test pump at well site and install to a depth of 575 ft bgs with accessories	1	LS	Lump Sum	\$15,700	Lump Sum	\$47,000	Lump Sum	\$10,000	Lump Sum	\$15,500	
18	Conduct pumping development, record and monitor changes in water levels, sand content, and flow rates for the per hour cost of	60	Hour	\$180.00	\$10,800	\$250.00	\$15,000	\$250.00	\$15,000		\$10,000	

**BID RESULTS FOR
TOWN OF APPLE VALLEY-AVCC REPLACEMENT WELL CONSTRUCTION**

No.	Description	Qty.	Unit	1ST Low Bidder: Southwest Pump		2ND Low Bidder: Palm Springs Pump		3RD Low Bidder: Bakersfield Well		4TH Low Bidder: Best Drilling	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
19A	Perform 12-hour step-drawdown test including measurements of water levels, pumping rates, specific capacity, and sand production for the per hour cost of	12	Hour	\$180.00	\$2,160	\$250.00	\$3,000	\$250.00	\$3,000	\$275.00	\$3,300
19B	Perform 48-hour (maximum) constant-rate discharge (aquifer) test for the per hour cost of	48	Hour	\$180.00	\$8,640	\$250.00	\$12,000	\$250.00	\$12,000	\$275.00	\$13,200
19C	Perform flow meter survey (spinner logging) in the well near the end of the 48-hour (maximum) constant-rate discharge test	1	LS	\$6,000.00	N/A	Lump Sum	N/A	\$2,500.00	N/A	Lump Sum	N/A
20	Provide color video survey and recording (DVD recording) of completed well (entire depth)	1	LS	Lump Sum	\$1,500	Lump Sum	\$1,200	Lump Sum	\$1,100	Lump Sum	\$1,500
21	Perform well disinfection with chlorine solution, clean site and cap the well	1	LS	Lump Sum	\$1,000	Lump Sum	\$24,200	Lump Sum	\$750	Lump Sum	\$4,500
TOTAL - BID ITEMS 1-21					\$369,744		\$381,749		\$390,056		\$418,791