



City of Woodland

REPORT TO MAYOR AND CITY COUNCIL

AGENDA ITEM

TO: THE HONORABLE MAYOR
AND CITY COUNCIL

DATE: May 06, 2008

SUBJECT: Water Well 25, Construction of Monitoring Well
#1, Project No. 05-34; Award Contract to
Lowest Responsive, Responsible Bidder

Report in Brief

City Council approved Plans and Specifications and authorized bid advertisement for the Water Well 25, Monitoring Well #1, Project No. 05-34 on March 18, 2008. Bids were opened on April 22, 2008. A total of three (3) bids were received ranging from \$ 149,010 to \$ 205,921. Award is based on Base Bid only. The bids are tabulated below.

Bradley and Sons Inc. submitted an unsigned Experience Qualifications form along with the bid. Failure to submit the unsigned form does not provide Bradley and Sons with a financial advantage not afforded to other bidders. Staff recommends that City Council waive the error as immaterial and award to the low bidder.

Bid Summary

Firm	Amount (Base Bid)
Engineers Estimate (revised)	\$ 150,000
Bradley and Sons, Inc.	\$ 149,010
Eaton Drilling Co. Inc.	\$ 205,921
Layne Christensen Co.	Bid Non-Responsive

Staff recommends that the City Council award the contract for the Water Well 25, Monitoring Well #1, Project No. 05-34, to Bradley and Sons, Inc., for \$ 149,010.

Background

The purpose of this project is to construct a monitoring well for groundwater monitoring and testing at this location. It will also serve to evaluate the potential for constructing a new municipal groundwater well located in the same vicinity. The need for additional water wells was identified in the 1999 Water System Master Plan and in analyses for the Spring Lake Specific Plan Area.

The well will be designed with an anticipated minimum capacity of 1,800 gallons per minute. The site is located within close proximity to two existing water wells, #11 and #13. If one of the existing wells were to fail or go down for extended maintenance, the new well will prevent an unsafe and unacceptable pressure drops in the surrounding neighborhoods.

Phase I of the overall project is to identify and select a site, then drill and construct the monitoring well. The second phase is to design and construct the test and production hole. The third phase is to design and construct the above ground portion or site facilities, including pump, motor, building, pipes and connection to the City's water system. Phase I is anticipated to start and finish in May 2008. Phases two and three are anticipated to commence and end in FY 08/09.

Discussion

Construction of the monitoring well (Phase I) is necessary for information gathering purposes that will lead to the design and construction of the test and production hole (Phase II) and site facility design and construction (Phase III). The California Environmental Quality Act (CEQA) determination for the construction of the monitoring well is Categorical Exemption: Article 19, Section 15303 because it is a necessary, complete and usable facility for groundwater monitoring whether a City well is approved to go in the same vicinity or not .

The need for this new well is generated by city-wide development including growth in the Spring Lake Area. It is being located in the southwest area since this area has a slightly higher ground elevation than the Spring Lake or southeast area. The City water pipe system will deliver adequate flow to the southeast area while also providing for increased pressures in the southwest area.

The design engineer's original estimate for construction of the monitoring well (Phase I) at the City Council meeting where Council approved the Plans and Specification was \$104,000. The revised Engineer's Estimate amount of \$150,000 includes the cost of a fourth deep monitoring zone. Staff issued an addendum to include construction of a fourth zone in the monitoring well to assess water quality at a depth of approximately 1,500 feet. If the fourth zone is determined to have unfavorable conditions during drilling, the fourth zone will not be constructed. Water quality samples collected from all zones will be analyzed for various constituents and the results will determine which zones are favorable and unfavorable. Favorable zones with acceptable water quality will be used to determine the design and depth of the production hole (Phase II). Zones determined to be unfavorable will be sealed off to prevent water from entering into the City's water distribution system. The revised design engineer's estimate for construction of the monitoring well is \$150,000.

Fiscal Impact

The design engineer's revised estimate for construction of the monitoring well (Phase I) is \$150,000 and is 100% funded from Fund 584, Water Development Fees. The project is fully funded in the current Capital Budget approved as part of the Mid-Year Adjustments on December 4, 2007. The total project budget as reflected on the approved Project Programming Summary Sheet (PPSS) dated February 25, 2008 is \$2,300,000. There is no impact to the General Fund. New water wells required as a result of development in the Spring Lake area are funded via the Water Development Fund (#584) and are identified as MPFP project WTR-130 (Construct Wells and Pipe Grid for South Service Area). Fund 584 was also used to pay for the new Water Well 24 on Meikle Avenue in the Spring Lake area.

Public Contact

Posting of the City Council agenda. A public notification letter has been mailed out to the local neighbors notifying them of the construction to take place in their proximity and the potential for further well development and construction if the site is determined viable.

Recommendation for Action

Staff recommends that the City Council award the contract for the Water Well 25, Monitoring Well #1, Project No. 05-34, to Bradley and Sons, Inc., for \$ 149,010.

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