



# City of Woodland

## REPORT TO MAYOR AND CITY COUNCIL

AGENDA ITEM

TO: THE HONORABLE MAYOR  
AND CITY COUNCIL

DATE: March 24, 2009

SUBJECT: Replacement Water Wells 15 and 22, Project No. 07-47 and 08-32 Phase II;  
Approve Plans and Specifications and Authorize Bid Advertisement to Construct,  
Approve Advance Authority to City Manager to Award.

### **Report in Brief**

The purpose of this project is to abandon and replace two municipal water wells that have been offline for several months due to sand infiltration and structural damage. Projects 07-47 and 08-32 will construct two replacement municipal groundwater wells at separate locations. The project was split in two phases to expedite construction. Well 15 and Well 22 are located in the southeast area of the City and both serve the same general portion of the water distribution system.

Council approved plans and specifications for Phase I on February 17, 2009 and on March 20, 2009 staff received and opened bids for construction of Phase I which includes well abandonment and re-drilling of both Well 15 and Well 22. Plans and specifications for Phase II of the project which includes pump station construction are now ready for advertisement.

Staff recommends City Council authorize bid advertisement and approve the plans and specifications for construction of the Replacement Wells Phase II, Project Nos. 07-47 and 08-32 and authorize the City Manager to award the construction contract for Phase II at an amount not to exceed 110% of the approved project budget to expedite getting these wells on line in time to meet summer water demands.

### **Background**

Well 15 is located in the northeast corner of Campbell Park along Colette Way. The well has a history of sand infiltration, screen failures and screen ruptures due to land subsidence. Well 22 is located in the southwest corner of Klenhard Park along East Gum Avenue. This well also has a history of sand infiltration. Numerous efforts have been taken to try to eliminate the sand infiltration problem without success.

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**ITEM:**

Phase I of the project will abandon and re-drill the replacement wells. The second phase constructs the above ground, on-site facilities, including pump, motor, pipes and connection to the City water system. Phase I and II are anticipated to start in FY08/09. Phase II of the above ground construction will utilize the existing well pumps, motors, generator, electrical service and other improvements to keep the cost per well about half the cost of a new well at another site.

Timely construction of the replacement wells is necessary to maintain the City's capability to meet water demands throughout the City by supplying adequate flow to the southeast area while also maintaining adequate pressures in the southwest area of the City. The new water wells will replace existing wells (Well 15 and 22). The replacement wells will restore the original pumping capacities of the existing wells. They will be located near the existing sites (Campbell and Klenhard Parks).

### **Discussion**

To expedite bringing these replacement wells on line, the project was split phased between the below ground (well drilling) and above ground features of construction. Award of construction for Phase I (well drilling) of this project is scheduled for the March 31, 2009 Council meeting.

The project plans and specifications for Phase II (above ground work) are complete and ready for bid upon Council authorization. A full set of plans and specifications are available for review at the Public Works Municipal Services Center counter. For Phase II, the bid award is anticipated to be the end of April and construction to begin mid May; however in order to meet this timeline and to ensure adequate capacity to meet summer water supply demand staff requests authorization for the City Manager to award the construction contract for Phase II at an amount not to exceed 110% of the approved budget.

### **Fiscal Impact**

The design engineer's estimate for Phase I is \$1,015,000 and Phase II is \$951,790; the total for both phases is \$1,956,790. The project is approved and budgeted in the current Capital Budget. The total project budget for Phases I and II is \$2,000,000. All project costs are allocated to the Water Enterprise Fund; therefore, there is no impact to the General Fund.

### **Public Contact**

Posting of the City Council agenda. A neighborhood meeting was held on March 12, 2009 to discuss potential issues with nearby residents. Some work during the well drilling will require working 24 hours per day and residences within 500 feet of the work area received written notice. Those adjacent to the work area will be kept informed as various work phases are about to be commenced.

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**Recommendation for Action**

Staff recommends City Council authorize bid advertisement and approve the plans and specifications for construction of the Replacement Wells Phase II, Project Nos. 07-47 and 08-32 and authorize the City Manager to award the construction contract for Phase II at an amount not to exceed 110% of the approved project budget to expedite getting these wells on line in time to meet summer water demands,

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