



**MAYOR AND COUNCIL COMMUNICATION**

DATE: 04/16/2013  
**CONSENT**  
ITEM #: 6  
**RESOLUTION**

**AGENDA ITEM:** Production Well No. 4 – Approve Plans and Specifications and Order Advertisement for Bids  
**SUBMITTED BY:** Jack Griffin, City Engineer  
**THROUGH:** Dean A. Zuleger, City Administrator  
**REVIEWED BY:** Adam Bell, City Clerk  
Cathy Bendel, Finance Director  
Mike Bouthilet, Public Works

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**SUGGESTED ORDER OF BUSINESS (if removed from the Consent Agenda):**

- Questions from Council to Staff..... Mayor Facilitates
- Public Input, if Appropriate..... Mayor Facilitates
- Call for Motion..... Mayor & City Council
- Discussion ..... Mayor & City Council
- Action on Motion ..... Mayor Facilitates

**SUMMARY AND ACTION REQUESTED:**

The City Council is respectfully requested to consider approving the plans and specifications and ordering the advertisement for bids for Production Well No. 4. If removed from the consent agenda the recommended motion for this action is as follows:

***“Move to approve Resolution No. 2013-26, Approving the plans and specifications and ordering the advertisement for bids for Production Well No. 4.”***

**BACKGROUND AND STAFF REPORT:**

Plans and Specifications have been completed for Production Well No. 4. The Engineer’s opinion of probable construction cost is \$421,000. The improvements include:

- Construction of a municipal water supply production well capable of producing 1,250 gallons of sand free water per minute, to be located on newly acquired property near 50th Street and Lake Elmo Avenue.
- A Jordan Formation well to be constructed to an approximate depth of 300 feet with a 24-inch diameter casing and open boring hole and an 18-inch welded steel casing pipe.

- Development and test pumping with the goal to obtain a 1,250 gallon per minute (gpm) capacity well.
- Testing and chemical analytics of the water quality to determine that the water supply meets all primary safe drinking water standards, including safe standards for perflourochemicals (PFCs).
- The purchase and installation of a 1,250 gpm well pump. The contract requires the well driller to return to the project site upon completion of the Pumphouse construction to install the pump and participate in project start-up.
- Erosion control, cleanup and site restoration.

Construction of Water Supply Well No. 4 is needed to supplement the supply capacity of the city's municipal water system in order to satisfy peak summer demands and support further expansion of the water system customer base from new growth and development. The need for Well No. 4 is documented in the City's 2030 Comprehensive Water System Plan and has been programmed in the 2013 Capital Improvement Program.

Test Well No. 4 was completed in February of 2012 to confirm adequate production capacity and water quality for the proposed well site near 50th Street N and Lake Elmo Avenue. Upon the successful completion of Test well No. 4, a 1.38 Acre Site was purchased at 11250 50th Street North to locate the new Well and Pumphouse. The site includes a shared driveway with the property located directly north and contains adequate space to provide setback distances in accordance with the well criteria established by the Minnesota Department of Health.

In the near future, the city engineer will recommend that the council authorize the preparation of plans and specifications for the construction of Pump House No. 4 to be constructed under a separate contract. A third contract will be commissioned for a new 12-inch diameter trunk connecting watermain from the well location to connect with the existing watermain near the intersection of Lake Elmo Avenue and 43rd Street N.

#### **FUNDING:**

Project costs for the design and construction of Production Well No. 4, Pump House No. 4 and the Lake Elmo Avenue Connecting Trunk Watermain are all incorporated into the city's \$1.0 million DEED Water System Grant Agreement. It is a requirement of the DEED Grant that the city provide a match of \$1.0 Million, anticipated to be funded through bond proceeds. Combined with the Keats Trunk Watermain Extension, the city will be constructing almost \$2.6 million in water infrastructure projects. The state's obligation to fund the DEED Grant shall terminate if the entire Grant has not been disbursed by December 31, 2014.

#### **RECOMMENDATION:**

Staff is recommending the city council approve, as part of the *Consent Agenda*, Resolution No. 2013-26, thereby approving the plans and specifications and ordering the advertisement for bids for Production Well No. 4. If removed from the consent agenda the recommended motion for this action is as follows:

***“Move to approve Resolution No. 2013-26, Approving the plans and specifications and ordering the advertisement for bids for Production Well No. 4.”***

**ATTACHMENT(S):**

1. Resolution No. 2013-26
2. Project Schedule
3. Production Well No. 4 Plans and Specifications (*available for review at City Hall*)