



**CITY OF LODI
COUNCIL COMMUNICATION**

AGENDA TITLE: Approve Plans and Specifications and Authorize Advertisement for Bids for Well 6R Granular Activated Carbon Treatment System
MEETING DATE: April 4, 2012
PREPARED BY: Public Works Director

RECOMMENDED ACTION: Approve plans and specifications and authorize advertisement for bids for Well 6R granular activated carbon treatment system.

BACKGROUND INFORMATION: This project consists of furnishing and installing a granular activated carbon (GAC) treatment system for Well 6R, as shown on the plans and specifications for the project.

Well 6R was constructed in 1985 and is one of the City's higher-producing municipal water wells. Located on Mission Street at the northerly side of Blakely Park, the well produces approximately 1,300 gallons per minute (gpm) when operational.

In accordance with State requirements, the City monitors Dibromochloropropane (DBCP) levels for all the City's water wells. Due to DBCP concentrations exceeding the maximum contaminated level of 0.2 parts per billion, the well was taken out of service on February 7, 2011.

The City currently has GAC treatment systems on six water wells and intends to construct the same type of system on Well 6R adjacent to the Lodi Boys and Girls Club building (a short distance away from the well site) to minimize visual impacts to the neighborhood, as shown on Exhibit A. The Boys and Girls Club Board of Directors does not object to this location. On March 7, 2012, notices regarding the project were sent to property owners and residents adjacent to the site, along Washington Street and Mission Street (Exhibit B).

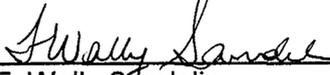
In 1996, the City executed a DBCP settlement agreement with Shell Oil, Dow Chemical and Occidental Chemical companies (Defendants). Under the terms of the settlement, the City will be reimbursed up to \$671,000 (using the latest available inflationary index) by the Defendants for the design and construction of the GAC treatment system for this well site. The total project cost, including engineering and inspection, is anticipated to be less than \$900,000.

Well 6R is critical to supply water in this area of the City during peak summer demand and to provide adequate fire flow; therefore, staff is recommending the installation of the GAC treatment system at this site to continue utilizing the production capacity of Well 6R.

The plans and specifications are on file in the Public Works Department. The planned bid opening date is May 16, 2012.

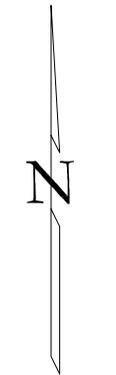
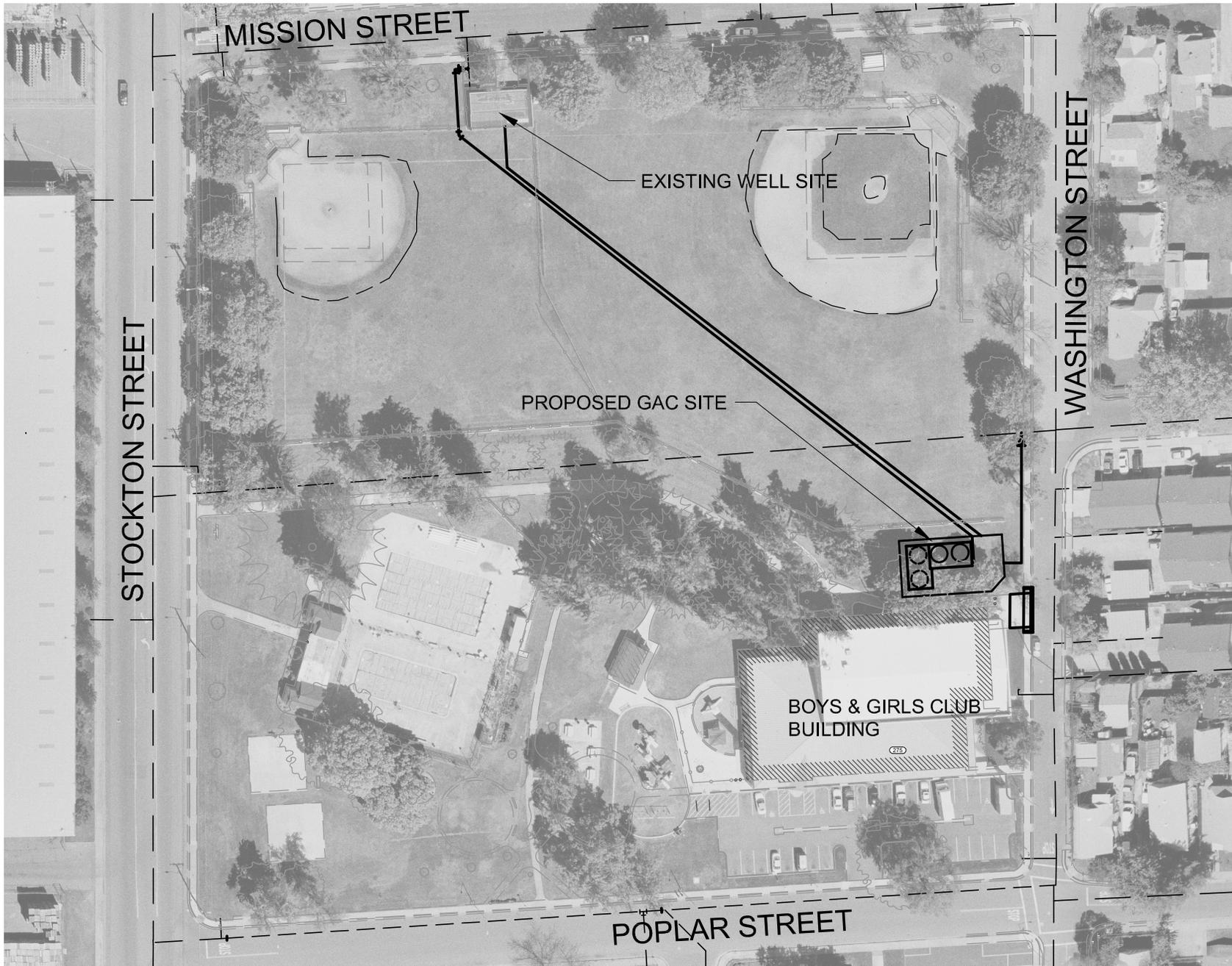
FISCAL IMPACT: Annual operation and maintenance costs for the water utility will increase as a result of this project; however, these costs will be reimbursed through the DBCP settlement.

FUNDING AVAILABLE: Funding for this project will come from the Water Capital Outlay Fund (181).


 F. Wally Sandelin
 Public Works Director

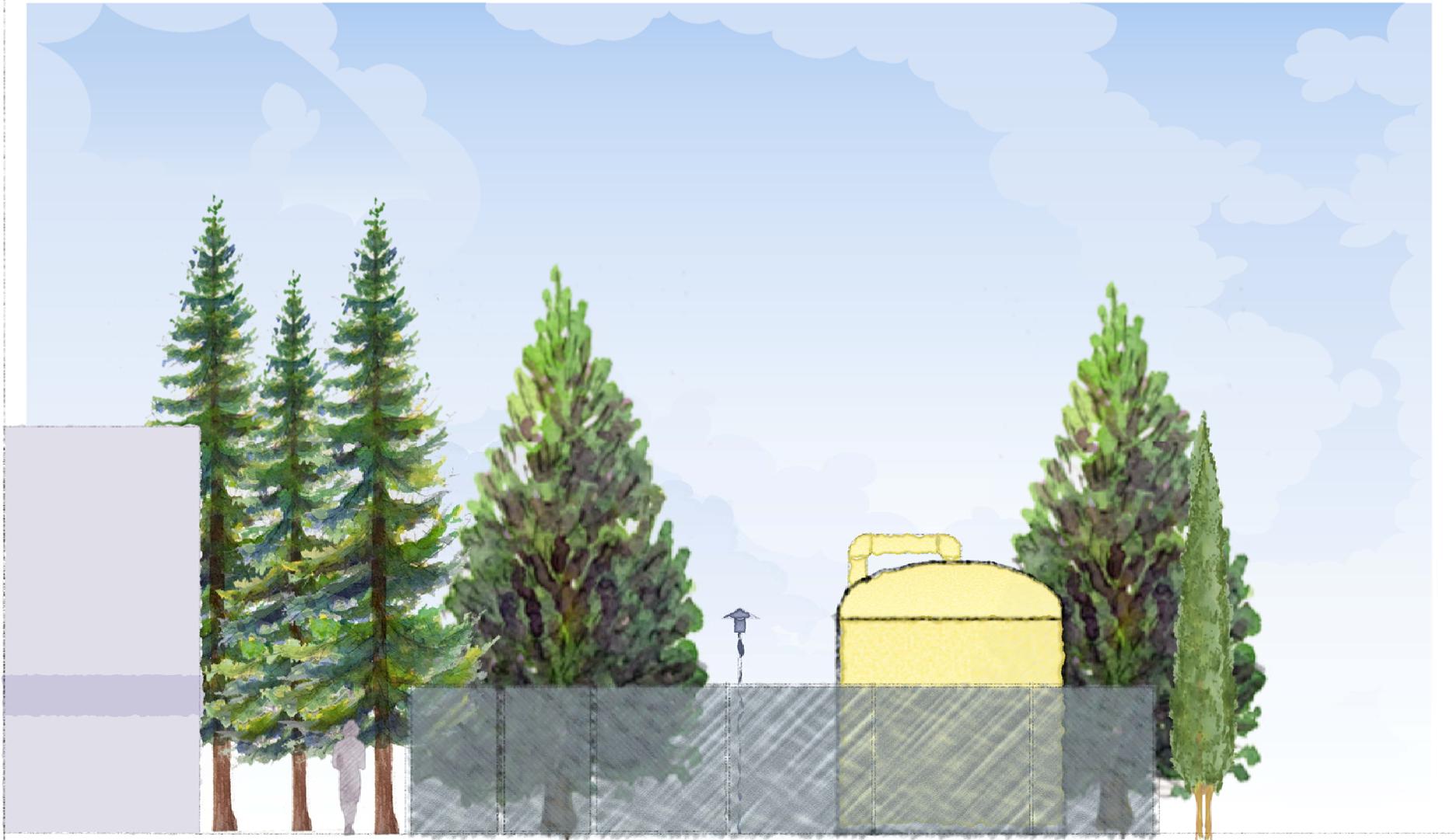
Prepared by Lyman Chang, Senior Civil Engineer
 Attachments
 cc Deputy Public Works Director

APPROVED: 
 Konradt Bartlam, City Manager



1" = 100'

EXHIBIT A



WELL 6R GAC FILTER
ELEVATION VIEW FROM WASHINGTON STREET

1" = 80'



CITY COUNCIL
JOANNE MOUNCE, Mayor
ALAN NAKANISHI,
Mayor Pro Tempore
LARRY D. HANSEN
BOB JOHNSON
PHIL KATZAKIAN

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KONRADT BARTLAM
City Manager
RANDI JOHL
City Clerk
D. STEPHEN SCHWABAUER
City Attorney
F. WALLY SANDELIN
Public Works Director

March 7, 2012

Property Owner/Resident

SUBJECT: Well 6R Granular Activated Carbon Filters (Blakely Park)

This letter is to inform you that the City is proposing to install granular activated carbon (GAC) filters at the Blakely Park site, as shown on the enclosed site map. These filters are needed to remove Dibromochloropropane (DBCP) from the drinking water produced from the existing Well 6R site.

DBCP was used extensively in the past to kill nematodes in vineyards. It was banned in California in 1997, but trace amounts are still present in groundwater. The City has actively monitored the DBCP levels in all City wells to ensure DBCP concentrations remain below the maximum contamination level of 0.2 parts per billion. Well 6R has been out of production since exceeding this level last year. This well was constructed in 1985 and is one of the City's highest-producing water wells. Well 6R is critical to supply water in this area of the City during peak summer demand and to provide adequate fire protection.

The City is proposing to install the GAC filter system at the Blakely Park site so that the well can be returned to service. The construction of the filter system is expected to occur this summer.

Enclosed is a rendering of the GAC filter system proposed for construction. Please feel free to contact Lyman Chang, Senior Civil Engineer, at (209) 333-6800, extension 2665, if you have any questions or comments.

Sincerely,



Charles E. Swimley, Jr.
Deputy Public Works Director/City Engineer

Enclosures
CES/LC/pmf
cc: Deputy Public Works Director Swimley
Senior Civil Engineer Chang