



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: APRIL 24, 2017

ITEM NO: 6

SUBJECT: PROFESSIONAL CONSULTANT SERVICES AGREEMENT WITH PARSONS BRINKERHOFF, INC. OF SAN BERNARDINO, CALIFORNIA, FOR ENGINEERING SERVICES FOR THE JACKSON STREET PHASE 1 AND 2 RECYCLED WATER SITES RETROFIT PROJECT IN THE AMOUNT OF \$434,370 - REQUEST FOR PROPOSALS NO. DSM0001 – WORK ORDER NO. 1722078

ISSUES:

Award a Professional Consultant Services Agreement to Parsons Brinkerhoff, Inc. of San Bernardino, California from Request for Proposals No. DSM0001 for Engineering Design and Construction Management Services for the Phase 1 and Phase 2-Recycled Site Retrofit Project, in the amount of \$434,370 and approve the capital expenditure of \$434,730 for Work Order No. 1722078.

RECOMMENDATIONS:

That the Board of Public Utilities:

1. Authorize the City Manager, or his designee, to execute a Professional Consultant Services Agreement with Parsons Brinkerhoff, Inc., in the amount of \$434,370 for project management, engineering design and construction management services for the Jackson Street Phase 1 and 2 Recycled Water Sites Retrofit Project; and
2. Approve the capital expenditure of \$434,730 for Work Order No. 1722078 for the project.

BACKGROUND:

On January 22, 2016, the Board of Public Utilities (Board) approved the Jackson Street Recycled Water Pipeline Project in order to file the project's California Environmental Quality Act exemption under the Governor's State of Emergency drought regulations. The Board also authorized a capital expenditure of \$500,000 to cover upfront design and utility potholing costs for the Jackson Street Recycled Water Pipeline Project.

The Jackson Street Recycled Water Pipeline Phases 1 and 2 Project (Project) will extend the existing 24-inch recycled water pipeline as shown in Figures 1 and 2, which currently terminates at the intersection of Van Buren Boulevard and Jackson Street. The new pipeline will expand RPU's recycled water system by providing recycled water service to customers along portions of Jackson Street, Magnolia Avenue, Monroe Street, and Lincoln Avenue and it will serve as a backbone for potential future expansion.

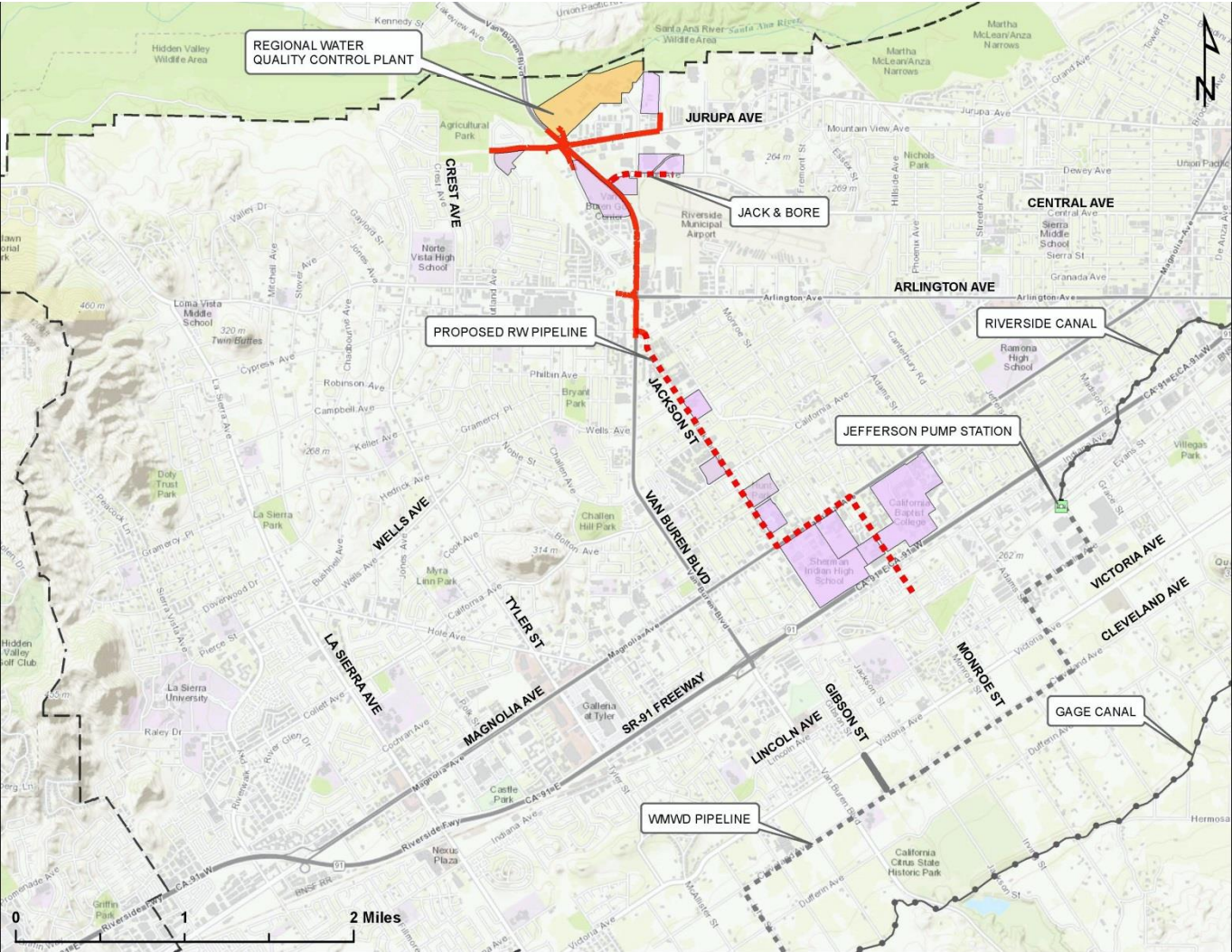


Figure 1 – Jackson Street Recycled Water Project Phase I

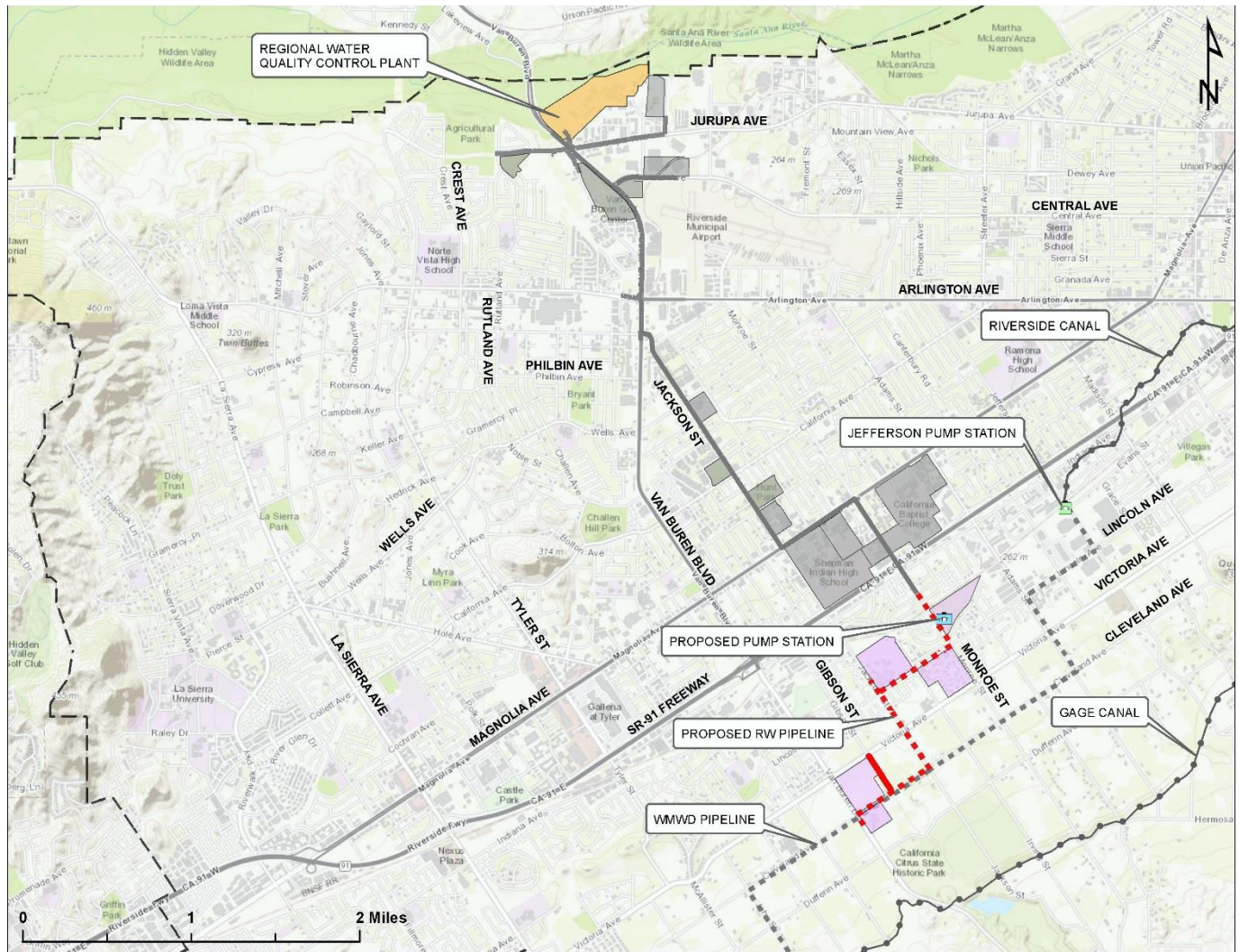


Figure 2 – Jackson Street Recycled Water Project Phase II

DISCUSSION:

With the expansion of the recycled water system, staff have identified 17 existing potable water customers that are eligible to utilize recycled water for irrigation purposes. Of the 17 sites, 12 will be converted in Phase I and 5 converted in Phase II. The total estimated potable water savings by converting the sites to recycled water is 820 acre-feet per year as detailed in Table 1.

Table 1 – Estimated Customer Demands

Project/Phase	Est. Number of Potential Customers	Est. Usage ¹ (AFY)
Jackson Street Recycled Water Project – Phase 1	12	590
Jackson Street Recycled Water Project – Phase 2	5	230
Total		820

Notes:

¹ Estimated recycled water usages developed from historic meter data and/or site land use data.

The process of converting existing potable water sites to recycled water requires extensive customer and State Water Resources Control Board Division of Drinking Water (DDW) coordination and permitting. The site conversion process generally entails:

1. Meeting with potential customers to educate them about recycled water and its benefits;
2. Conducting initial site investigations to obtain customer irrigation plans, investigate potential cross-connections, and develop preliminary site conversion drawings;
3. Obtaining preliminary regulatory approval to provide recycled water service from DDW;
4. Preparing final site conversion construction plans and specification for bidding purposes;
5. Completing site retrofit construction to meet regulatory requirements;
6. Obtaining final regulatory approval which requires performing cross-connection shutdown tests to ensure the potable and recycled water systems are not interconnected; and
7. Issuing site recycled water use permits and training customers to operate and maintain the irrigation systems.

Consultant Selection

On November 30, 2016, RPU issued a Request for Proposals (RFP No. DSM0001) to engineering firms with experience in completing recycled water site conversion projects. Three proposals were received on December 23, 2016 as summarized in Table 2.

Table 2 – Consultant Proposals Received

	<u>COMPANY</u>	<u>LOCATION</u>
1.	RMC, Inc	Irvine, CA
2.	Tetra Tech	Irvine, CA
3.	Parsons Brinkerhoff, Inc.	San Bernardino, CA

A selection committee, consisting of key staff members from RPU, reviewed all proposals based on the criteria described in the RFP. The Committee interviewed two of the three firms, and utilized a predetermined scoring methodology, as outlined in the RFP, to rank the consultants. Based on the final scores the Committee recommends Parsons Brinkerhoff, Inc. (PB) as the best team to perform the work.

Staff negotiated a Professional Consultant Services Agreement with Parsons Brinkerhoff, Inc. for the project in the amount of \$434,370.

The Purchasing Services Manager concurs with the recommendation above.

FISCAL IMPACT:

The contract price is \$434,370. Sufficient funds are available in the Public Utilities' Recycled Water Facilities Account No. 6230000-470811.

Prepared by: Todd L. Jorgenson, Utilities Assistant General Manager/Water
 Approved by: Girish Balachandran, Utilities General Manager
 Approved by: John A. Russo, City Manager
 Approved as to form: Gary G. Geuss, City Attorney

Certifies availability of funds: Laura Chavez-Nomura, Utilities Assistant General Manager/Finance

Attachment: Professional Consultant Services Agreement with Parsons Brinkerhoff, Inc.