



GAGE 29-2R GROUNDWATER WELL REPLACEMENT PROJECT (PHASE II)

Riverside Public Utilities

Board of Public Utilities

May 8, 2023

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BACKGROUND

1. Old groundwater well constructed in 1929
2. Declining production rates
3. Inoperable at times due to air entrapment
4. Too shallow to lower pumping equipment



BACKGROUND

5. Proposed new well will be deep to improve production capacity
6. Project involves two phases, drilling and equipping
 - a. First phase awarded by RPU Board on December 12, 2022
7. Project benefits:
 - a. Replace old wells assets
 - b. Maintain production capacity
 - c. Improve operation and reliability of the water system



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PROJECT LOCATION MAP



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PROJECT DESCRIPTION

- 1. Equip the new well with a Pump and Electric Motor;



- 2. Electrical and Instrumentation Equipment;



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PROJECT DESCRIPTION (CONT.)

- 3. Yard Piping;



- 4. Building Enclosure;



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PROJECT DESCRIPTION (CONT.)

5. Site Improvements;



6. New Electrical Service;



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PROJECT DESCRIPTION (CONT.)

5. Demolish and abandon the old Gage 29-2 Well; and



6. All other incidental work.



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BID RESULTS

1. The project was advertised on January 20, 2023
2. Prebid conference was held on January 26, 2023
3. Bids were opened on March 16, 2023
4. Five bids were received



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BID RESULTS (CONT.)

Rank	Vendor	City Location	Bid Total
1.	Canyon Springs Enterprises, Inc.	Temecula, CA	\$3,244,651
2.	SCW Contracting Corp.	Fallbrook, CA	\$3,346,165
3.	Innovative Construction Solutions	Costa Mesa, CA	\$3,576,800
4.	Houalla Enterprises, Ltd.	Newport Beach, CA	\$3,682,743
5.	R.E. Chaffee Construction, Inc.	Wrightwood, CA	\$3,822,940

Engineer's Construction Cost Estimate: \$2,985,000



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CONSTRUCTION PRICE COMPARISON

	Gage 29-3R Groundwater Well		Gage 29-2R Groundwater Well		Percent Increase in Cost	U.S. Bureau of Labor Statistics Consumer Price Index (CPI) Percent Increase
	Bid Award Date	Construction Bid Amount	Bid Award Date	Construction Bid Amount		
Well Drilling (Phase I)	12/9/2019	\$1,599,900	12/12/2022	\$2,782,738	73.9%	15.5%
Well Equipping (Phase II)	9/28/2020	\$1,964,543	5/8/2023	\$3,244,651	65.2%	15.6%*
Totals	\$3,564,443		\$6,027,389		69.1%	

* The CPI is through February 2023 and reflects the latest available data at the time this report was prepared.

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PROJECT BUDGET BREAKDOWN

Project and Fiscal Breakdown			
Work Type:	Performed By:	Amount:	Percent of Total:
Design and Survey	Internal Staff	\$72,884	1.8%
Construction	Canyon Springs Enterprises, Inc.	\$3,244,651	78.7%
Construction Support	Internal Staff	\$30,000	0.7%
Engineering Support and Construction Management	Internal Staff	\$50,000	1.2%
Construction Inspection	Vendor to be Determined (Formal Procurement)	\$350,000	8.5%
Geotechnical and Materials Testing	Vendor to be Determined (Informal Procurement)	\$30,000	0.7%
Site Security	Vendor to be Determined (Informal Procurement)	\$20,000	0.5%
Construction Contingencies	Canyon Springs Enterprises, Inc. (if applicable)	\$324,465	7.9%
Work Order Total:		\$4,122,000	100.0%
Reimbursements:			None
Anticipated Start Date:			June 2023
Anticipated Duration:			20 Months



STRATEGIC PLAN ALIGNMENT



Strategic Priority 6 - Infrastructure, Mobility and Connectivity

Goal No. 6.2 – Maintain, protect, and improve assets and infrastructure within the City's built environment to ensure and enhance reliability, resiliency, sustainability, and facilitate connectivity.

Cross-Cutting Threads



Community Trust



Fiscal Responsibility



Sustainability &
Resiliency



Equity



Innovation



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RECOMMENDATIONS

That the Board of Public Utilities:

1. Award a construction contract for Bid No. RPU-7975 for the Gage 29-2R Groundwater Well Replacement Project (Phase II) to Canyon Springs Enterprises, Inc. of Temecula, California, in the amount of \$3,244,651;
2. Authorize 10% change order authority in the amount of \$324,465 for Bid No. RPU-7975 for the construction of the Gage 29-2R Groundwater Well Replacement Project (Phase II);
3. Approve the capital expenditure for Work Order No. 2221273 in the amount of \$4,122,000 which includes all design, construction, construction support, contract administration, inspection and construction change order authority costs for the Gage 29-2R Groundwater Well Replacement Project (Phase II); and
4. Authorize the City Manager, or designee, to execute construction agreements and any other documents necessary to effectuate the project described herein, as well as the ability to make minor and non-substantive changes in accordance with all purchasing policies.



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