



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

Riverside Public Utilities

Board of Public Utilities
December 12, 2022

RiversideCA.gov

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



2

RiversideCA.gov

BACKGROUND (CONT.)

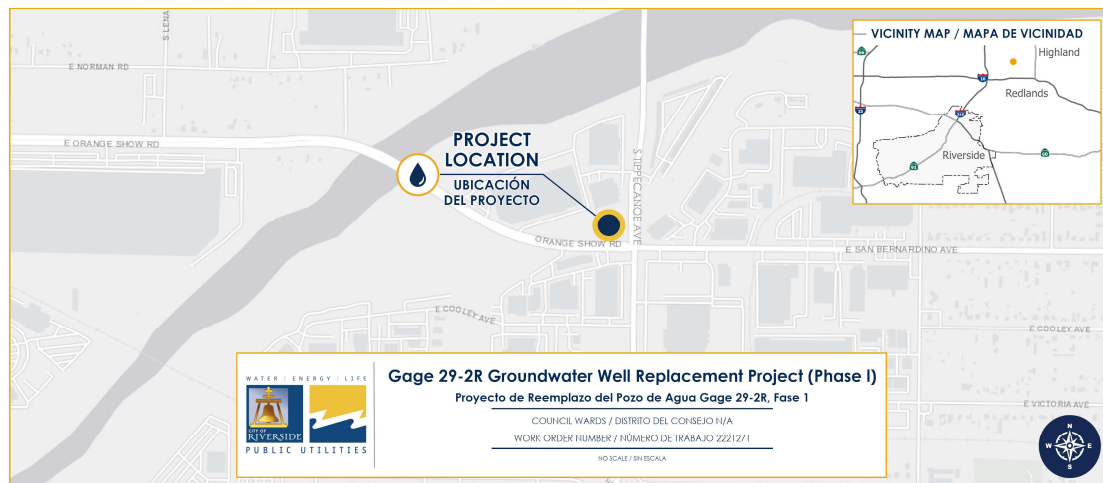
5. Proposed new well will be deep to improve production capacity
6. Well drilling is the first phase of the project. Staff will seek approval for the equipping phase of the project at a future date.
7. Project benefits:
 - a. Replace old wells assets
 - b. Maintain production capacity
 - c. Improve operation and reliability of the water system



3

RiversideCA.gov

PROJECT LOCATION MAP

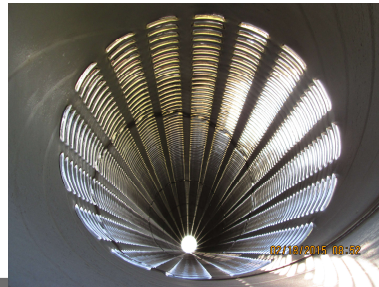


4

RiversideCA.gov

PROJECT DESCRIPTION

1. Drill a domestic water well approximately 1,200 feet deep
2. 20-inch diameter stainless steel well casing and screen



5

RiversideCA.gov

PROJECT DESCRIPTION (CONT.)

3. Development and test pumping
4. All other incidental work



6

RiversideCA.gov

BID NO. RPU-7951 RESULTS

1. The project was advertised on October 13, 2022
2. Prebid conference was held on October 24, 2022
3. Bids were opened on November 8, 2022
4. Two bids were received



7

RiversideCA.gov

BID NO. RPU-7951 RESULTS (CONT.)

Rank	Vendor	City Location	Bid Total
1.	Layne Christensen Company	Redlands, CA	\$2,782,738
2.	Best Drilling and Pump, Inc.	Colton, CA	\$3,467,855

Engineer's Construction Cost Estimate: \$2,860,000



8

RiversideCA.gov

RFP NO. 2224 RESULTS

1. The RFP was posted on July 22, 2022
2. Proposals were due on August 15, 2022
3. Four proposals were received



9

RiversideCA.gov

RFP NO. 2224 RESULTS (CONT.)

Vendor	Proposed Fee	Weighted Score Evaluations						Rank
		Qualifications (25%)	Experience (20%)	Professional References (10%)	Approach and Methodology (10%)	Pricing (25%)	Total Score	
Thomas Harder and Company, Inc.	\$64,735.00	250.00	200.00	92.00	200.00	250.00	992.00	1
ENGEO Incorporated	\$89,520.00	241.67	193.33	96.67	193.33	180.00	905.00	2
Geoscience Support Services, Inc.	\$101,029.00	250.00	200.00	98.00	193.33	160.00	901.33	3
Wood Rodgers, Inc.	\$87,475.00	250.00	193.33	66.00	200.00	185.00	894.33	4



10

RiversideCA.gov

PROJECT BUDGET BREAKDOWN

Project and Fiscal Breakdown		Total Project
Work Type:	Performed By:	Amount:
Design	Internal Staff and Miscellaneous Vendors	\$34,253
Construction	Layne Christensen Co.	\$2,782,738
Construction Support	Internal Staff	\$50,000
Engineering Support, Construction Management, and Inspection	Internal Staff	\$120,000
Hydrogeologist Services	Thomas Harder and Company, Inc.	\$64,735
Construction Contingencies	N/A	\$278,274
Work Order Total:		\$3,330,000
Reimbursements:		None
Anticipated Start Date:		January 2023
Anticipated Duration:		4 Months



RiversideCA.gov

11

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



RiversideCA.gov

12

RECOMMENDATIONS

That the Board of Public Utilities:

1. Award a construction contract for Bid No. RPU-7951 for the Gage 29-2R Groundwater Well Replacement Project (Phase I) to Layne Christensen Company of Redlands, California, in the amount of \$2,782,738;
2. Authorize 10% change order authority in the amount of \$278,274 for Bid No. RPU-7951 for the construction of the Gage 29-2R Groundwater Well Replacement Project (Phase I);
3. Approve an expenditure of \$64,735 from RFP No. 2224 for Hydrogeologist Construction Inspection Services for the Gage 29-2R Groundwater Well Replacement Project (Phase I);
4. Approve the capital expenditure for Work Order No. 2221271 in the amount of \$3,330,000 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 I);
5. 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 non-substantive changes in accordance with all purchasing policies; and

13


RiversideCA.gov

RECOMMENDATIONS (CONT.)

That the Board of Public Utilities recommend that the City Council:

6. Approve a Professional Consultant Services Agreement for Hydrogeologist Construction Inspection Services for the Gage 29-2R Groundwater Well Replacement Project (Phase I) from RFP No. 2224 with Thomas Harder and Company, Inc. of Anaheim, California, for a term through June 30, 2024, in the amount of \$64,735; and
7. Authorize the City Manager, or designee, to execute the Professional Consultant Services Agreement and any other documents necessary to effectuate the project described herein, as well as the ability to make minor non-substantive changes in accordance with all purchasing policies.

14


RiversideCA.gov