



GAGE 29-3R GROUNDWATER WELL REPLACEMENT PROJECT (PHASE II)

Riverside Public Utilities

Board of Public Utilities
September 28, 2020

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
5. Proposed new well will be deeper to improve production capacity

BACKGROUND (CONT.)

6. Phase I – Well Drilling

- A. Approved by the Board on December 9, 2019

7. Phase II – Well Equipping

- A. Previously advertised on July 9, 2020

- B. Bids were canceled

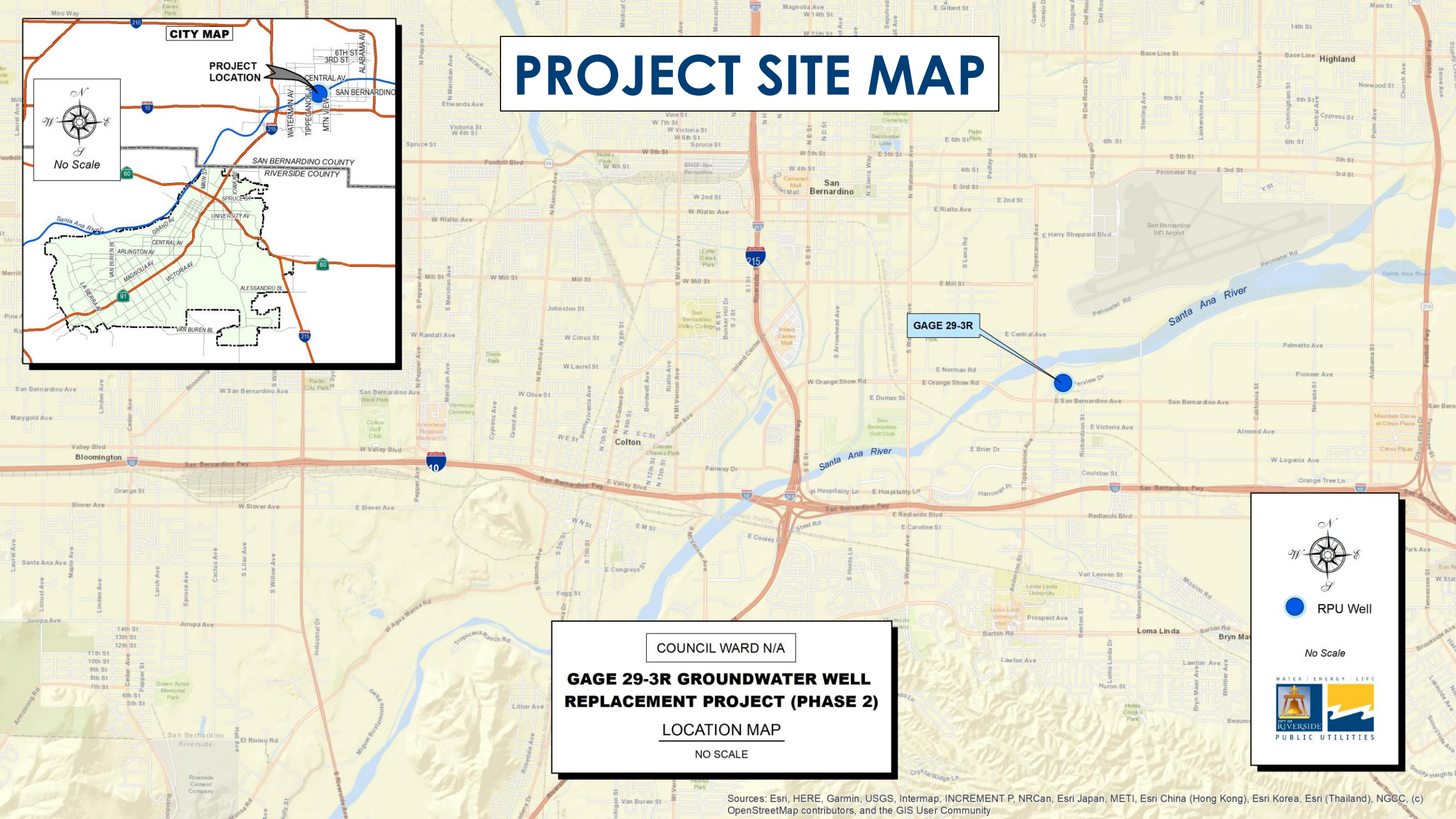
8. \$500,000 contribution from Lockheed Martin Corporation

- A. Recommended by the Board on April 27, 2020

- B. Subsequently approved by the City Council on May 19, 2020



PROJECT SITE MAP



COUNCIL WARD N/A

GAGE 29-3R GROUNDWATER WELL REPLACEMENT PROJECT (PHASE 2)

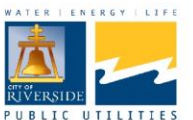
LOCATION MAP

NO SCALE



 RPU Well

No Scale



Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

PROJECT DESCRIPTION

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



2. Electrical and Instrumentation Equipment;



PROJECT DESCRIPTION (CONT.)

3. Yard Piping;



4. Building Enclosure;



PROJECT DESCRIPTION (CONT.)

5. Site Improvements;



6. New Electrical Service;



PROJECT DESCRIPTION (CONT.)

7. Abandon the old Gage 29-3 Well; and
8. All other incidental work.

BID RESULTS

1. August 3, 2020 – Project advertised
2. August 10, 2020 – Pre-bid conference
3. August 25, 2020 – Bids opened
4. Seven bids received

BID RESULTS (CONT.)

Rank	Vendors	City Location	Bid Total
1.	Pyramid Building & Engineering, Inc.	Hesperia, CA	\$1,964,543.34
2.	Weka Inc.	Highland, CA	\$2,104,797.00
3.	SCW Contracting Corp.	Fallbrook, CA	\$2,124,221.00
4.	Pascal & Ludwig Constructors	Ontario, CA	\$2,191,549.00
5.	Cora Constructors, Inc.	Palm Desert, CA	\$2,195,000.00
6.	Green Building Corporation	Van Nuys, CA	\$2,326,394.00
7.	Caliagua, Inc.	Yorba Linda, CA	\$2,356,035.00

► *Engineer's Construction Cost Estimate \$2,100,000*

PROJECT BREAKDOWN

Project and Fiscal Breakdown		
Work Type:	Performed By:	Amount:
Planning and Design	Internal Staff	\$59,002.33
Construction	Pyramid Building & Engineering, Inc.	\$1,964,543.34
Construction Support	Internal Staff	\$25,000.00
Engineering Support, Construction Management and Inspection	Internal Staff	\$130,000.00
Geotechnical and Materials Testing	Vendor to be Determined (Consultant Panel)	\$20,000.00
Site Security	Informal Procurement	\$25,000.00
Construction Contingencies	N/A	\$196,454.33
Work Order Total:		\$2,420,000.00
Reimbursements:	\$500,000 (from LMC)	
Anticipated Start Date:	October 2020	
Anticipated Duration:	9 Months	



RECOMMENDATIONS

That the Board of Public Utilities:

1. Award Bid No. RPU-7782 to Pyramid Building and Engineering, Inc., of Hesperia, California, in the amount of \$1,964,543.34 for the construction of the Gage 29-3R Groundwater Well Replacement Project (Phase II);
2. Authorize change order authority for the Pyramid Building and Engineering, Inc. Construction Contract in the amount of 10% or \$196,454.33 for Bid No. RPU-7782; and
3. Approve the capital expenditure for Work Order No. 1704585 in the amount of \$2,420,000 which includes all design, construction, construction support, contract administration, inspection and construction change order authority costs for the Gage 29-3R Groundwater Well Replacement Project (Phase II).