

## **WELLS AND CYPRESS WATER MAIN REPLACEMENT PROJECT (PHASE 1) – WORK ORDER NO. 1706279 IN THE TOTAL AMOUNT OF \$2,450,000**

**Riverside Public Utilities – Water Division**

Board of Public Utilities  
June 24, 2019

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## **BACKGROUND**

1. RPU's ongoing water main replacement program to replace old and high priority leaky mains
  - a. July 10, 2017 – Received by the Board as a planned project
2. Existing 2, 4, 6, and 8-inch water pipelines
  - a. Installed between 1926 and 1972
  - b. Steel, cast iron, and asbestos cement
3. Upcoming PW Street Maintenance Projects
  - a. Opportunity to save on paving costs



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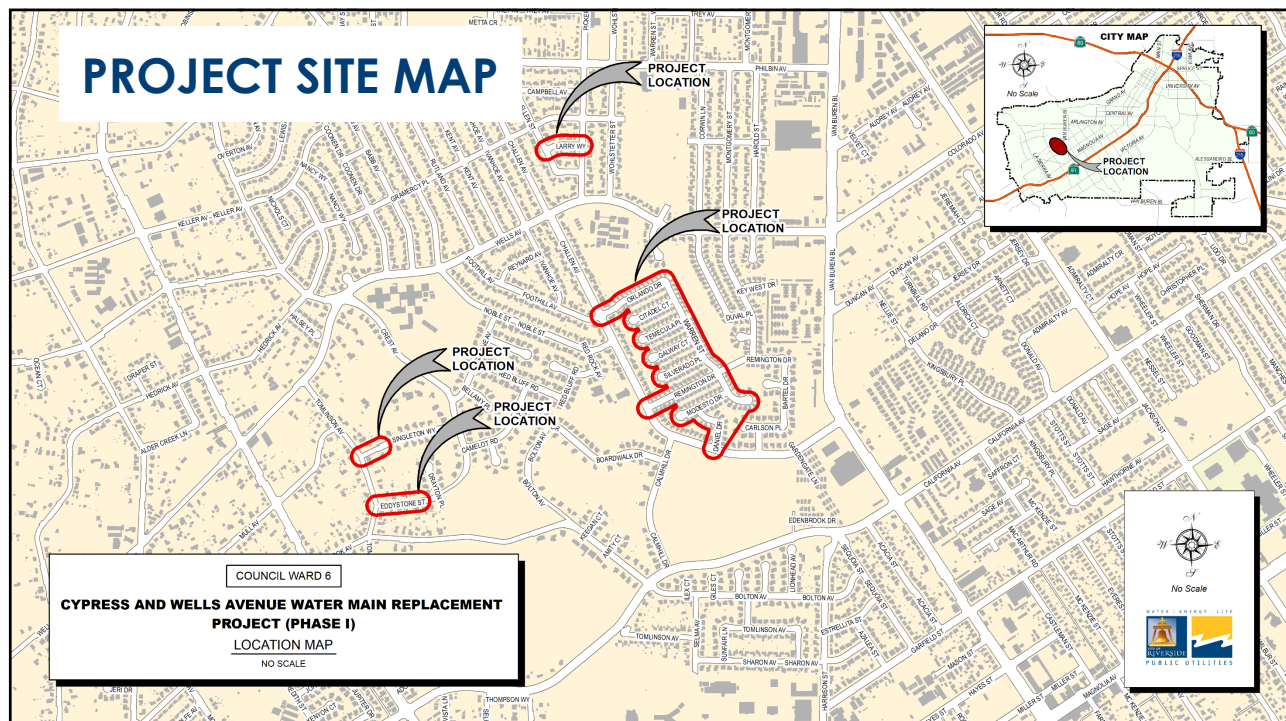
## BACKGROUND (con't)

4. Subsequent phases in future fiscal years
5. Work to be performed by water field forces
6. Utility 2.0
  - a. RPU's infrastructure roadmap
  - b. Directly benefits RPU water customers within the vicinity of the project
  - c. System reliability and improved fire protection



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## PROJECT DESCRIPTION

1. Ductile Iron Pipe
  - a. 6,700 feet of 8-inch
  - b. 55 feet of 6-inch
  - c. 720 feet of 4-inch



2. 220 Water Services



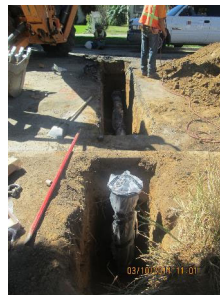
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## PROJECT DESCRIPTION (con't)

3. 20 Fire Hydrants



4. Nine System Connections

5. Trench Repaving



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## PROJECT/FISCAL BREAKDOWN

Project and Fiscal Breakdown		
Work Type:	Performed By:	Amount:
Planning and Design	Internal Staff	\$106,565
Geotechnical Investigation	GeoMat Testing Laboratories, Inc.	\$16,935
Construction	RPU Water Field Forces	\$1,615,000
Paving Budget	PW or RPU Paving Contractor Panel	\$500,000
Construction Management, Inspection, Materials Testing and Engineering Support	Internal Staff and Consultant Panel	\$50,000
Construction Contingencies	N/A	\$161,500
<b>Work Order Total:</b>		<b>\$2,450,000</b>
Reimbursements:		None
<b>Anticipated Start Date:</b>		<b>July 2019</b>
<b>Anticipated Duration:</b>		<b>6 months</b>



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## RECOMMENDATION

That the Board of Public Utilities approve Work Order No. 1706279 in the total amount of \$2,450,000 for all design, construction, paving, and construction contingency costs for the Wells and Cypress Water Main Replacement Project (Phase 1).



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