



Staff Report

File #: 24-0048

**REQUEST FOR CITY COUNCIL AND
CORONA UTILITY AUTHORITY ACTION**

DATE: 01/17/2024

TO: Honorable Mayor and City Council Members
Honorable President and Board Members

FROM: Utilities Department

SUBJECT:
MAINTENANCE/GENERAL SERVICES AGREEMENT WITH VALVERDE CONSTRUCTION INC. FOR
CRITICAL WATER MAIN REPLACEMENT ON RIDGEVIEW TERRACE

EXECUTIVE SUMMARY:

This staff report asks City Council to approve a Maintenance/General Services Agreement with Valverde Construction, Inc. for a critical water main replacement project on Ridgeview Terrace, a section on Via Santiago, and four cul-de-sac sections adjacent to Ridgeview Terrace.

RECOMMENDED ACTION:

That the City Council:

- a. Award the Maintenance/General Services Agreement with Valverde Construction, Inc., of Santa Fe Springs, CA, in the amount of \$1,894,157 to perform critical water main replacement on Ridgeview Terrace, a section on Via Santiago and four cul-de-sac sections adjacent to Ridgeview Terrace.
- b. Authorize the City Manager, or his designee, to execute a Maintenance/General Services Agreement with Valverde Construction, Inc., for a total contract amount of \$1,894,157, including non-substantive extensions, purchase orders, change orders and amendments up to \$100,000, as authorized in Corona Municipal Code [Section 3.08.060\(J\)](#).
- c. Authorize the creation of a new Capital Improvement Project titled "Ridgeview Terrace Water Main Installation."
- d. Authorize an appropriation in the amount of \$1,994,157 from the Water Utility Fund 570 to

the newly created Ridgeview Terrace Water Main Installation Capital Improvement Project.

That the Corona Utility Authority review, ratify, and to the extent necessary, direct that the City Council take the above actions.

BACKGROUND & HISTORY:

The Utilities Department (UD) infrastructure division is responsible for operating and maintaining the City of Corona’s extensive network that comprises, operates, and maintains approximately over 800 miles of water mains (including service laterals), over 24,000 system/control valves, and over 8,000 fire hydrants.

UD regularly installs water mains to replace aging pipes to improve system reliability and water quality. The department uses both in-house staff and contractors to install mainlines, water distribution system modifications for new developments, and repairs to ruptured pipelines. In addition, the staff recognizes that pipeline failures can lead to disruptions in the water supply and require road closures and repairs.

The existing 6-inch potable water main on Ridgeview Terrace experienced 9 failures in the last 5 years causing disruptions in service, street closures, and costly street repairs. The waterline, which is asbestos cement pipe, was originally installed in 1961 making it 62 years old.

According to the United States Environmental Protection Agency (EPA), asbestos cement pipe has a life span of 50 years. However actual service life depends on multiple factors, such as pipe condition, pH level, abrasion resistance, soil and water resistivity, chloride, sulfate, or acid corrosion, slow crack growth, and working environment.

ANALYSIS:

The pipeline along Ridgeview Terrace and the adjacent four cul-de-sacs has reached the end of its useful life and is now breaking at an increased rate in comparison to surrounding lines. Due to its age, condition, and multiple breaks impacting the community, it was determined by UD to solicit bids from the City’s on call contractors to perform water main replacement on Ridgeview Terrace per the Corona Municipal Code (CMC) [Section 3.08.140\(E\)](#) provisions, which state “**Purpose of bidding is otherwise accomplished.** When the purchasing agent and the authorized contracting party, with the approval of the City Manager, determine that it is in the best interest of the city and its administrative operations to dispense with public bidding for non-public projects under this chapter.”

This water main replacement ensures an adequate, high-quality, and reliable supply of water to customers. Additionally, this project will increase system reliability and capacity to maintain the operability of the potable water system by replacing approximately 3,510 feet of existing asbestos cement pipe on Ridgeview Terrace.

UD solicited bids from three (3) on call contractors for the water main replacement. The following bids were received:

Vendor	City	Bid amount
Valverde Construction Inc.	Santa Fe Springs	\$1,894,157

Augustine General Engineering Inc.	Alta Loma	\$2,361,155
W.A. Rasic Construction	Long Beach	No bid submitted

Of the two bids received, Valverde Construction Inc., offered the lowest price at \$1,894,157. Staff has verified the backgrounds and references of the contractor and is satisfied with their past performance. Additionally, staff determined the low bidder to be both responsive and responsible per the project contract and public contracting code.

The contractor will provide all labor, materials, paving, and necessary equipment to install 3,510 linear feet of an 8-inch ductile iron pipe with 78 1-inch water services, 11 8-inch water main valves, 13 hydrants, and 13 6-inch hydrant laterals and hydrant valves.

The scope of work and estimated construction cost for the installation of the new water main on Ridgeview Terrace, per the City of Corona’s Standard Plan (COC STD Plan), includes the abandonment of the failing 6-inch asbestos cement pipe. The construction cost submitted by Valverde Construction Inc. is outlined as follows:

NO.	ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	PRICE
1.	Mobilization/Demobilization	Lump Sum	1	\$71,490
2.	Traffic control (if needed)	Lump Sum	1	\$5,600
3.	Trench Safety and Shoring	Lump Sum	1	\$19,320
4.	Utility locating	Lump Sum	1	\$38,775
5.	Sawcut, excavate, and remove asphalt and native soil from trenches for water main, water services and hydrant laterals	Cubic Yard	1,388	\$201,954
6.	Furnish and install 8” pipe and all needed fittings, per city standards	Linear Foot	3,510	\$638,820
7.	Potable waterline pressure testing, flushing, disinfection, sampling bacteriological testing, and dichlorination of discharge water including temporary fittings, piping, and hoses to complete the work	Lump Sum	1	\$26,650
8.	Furnish and install 8” resilient wedge gate valve and valve per COC STD Plan 150, 406, 412 and 422	Each	11	\$35,695

9.	Remove and dispose fire hydrant head and riser and abandon lateral at each end	Each	2	\$6,944
10.	Furnish and install fire hydrant assembly and blue dot markers COC STD Plan 150, 06,412 and 422	Each	13	\$143,130
11.	Furnish and install 6" pipe and all needed fittings for fire hydrant lateral, per COC STD Plan	Linear Foot	229	\$40,075
12.	Furnish and install (78) 1-inch water service lines per COC STD Plan 150 and 414 and re-connect to existing meter.	Linear Foot	1,500	\$282,000
13.	Crushed miscellaneous base to backfill all trenches (full trench zone per COC STD Plan 150)	Cubic Yard	1,279	\$101,041
14.	AC Trench Asphalt slab per COC STD Plan 150, including asphalt for grind and cap	Ton	551	\$282,663
SCHEDULE-TOTAL PRICE IN NUMBERS (ITEM 1-14)			\$1,894,157	

Staff recommends approval of the Maintenance/General Services Agreement with Valverde Construction Inc. for the critical Water Main Replacement Project on Ridgeview Terrace as it is in the best interest of the City to ensure operability and redundancy of the potable water system.

FINANCIAL IMPACT:

Approval of the recommended actions will result in an appropriation in the amount of \$1,994,157 from the Water Utility Fund 570 to the newly created Ridgeview Terrace Water Main Installation Capital Improvement Project. There is sufficient working capital in the Water Utility Fund 570 for the recommended actions.

ENVIRONMENTAL ANALYSIS:

This action is categorically exempt pursuant to Section 15301 of the Guidelines for the California Environmental Quality Action (CEQA), which states that "operation, repair, maintenance, permitting, leasing, licensing, or minor alteration of existing public or private structures, facilities, mechanical equipment, or topographical features, involving negligible or no expansion of use beyond that existing at the time of the CEQA determination" and is therefore exempt from CEQA. This action involves repairs to existing infrastructure to maintain public health and safety. Therefore, is exempt from the requirements of CEQA, and no environmental analysis is required.

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PREPARED BY: AFTAB HUSSAIN, MAINTENANCE MANAGER

REVIEWED BY: TOM MOODY, DIRECTOR OF UTILITIES

Attachments:

1. Exhibit 1 - Maintenance/General Services Agreement