



City Council Report

Date: November 20, 2023
To: City Council
Through: Marc Heirshberg, Deputy City Manager
From: Beth Huning, City Engineer
Lance Webb, Assistant City Engineer
Subject: Central Mesa Reuse Pipeline GMP 5
City Project No. CP0896
Council Districts 1 and 2

Purpose and Recommendation

The purpose of this report is to present the fifth Guaranteed Maximum Price (GMP) for the proposed Central Mesa Reuse Pipeline (CMRP) Project, a Construction Manager at Risk (CMAR) project. (Refer to Exhibit “A” for the project location).

GMP No. 5 includes the replacement of existing waterlines that are in conflict with the proposed alignment of the 36-inch CMRP within the northern half of the project. The waterlines require relocation prior to the construction of the 36-inch reuse pipeline installation.

Staff recommends that Council award a contract for this project to Garney Companies, in the amount of \$10,534,479(GMP No. 5) and authorize a change order allowance in the amount of \$526,724.

Background

The City of Mesa desires to utilize reclaimed water produced at the Northwest Water Reclamation Plant (NWWRP) as part of a water exchange agreement with the Gila River Indian Community (GRIC). Construction of a 10.5-mile reclaimed water pipeline will allow the City to meet the requirements of this agreement to convey this water to the GRIC.

Discussion

In July 2021, Staff received three “Statements of Qualifications” (SOQ) from contractors proposing to act as the CMAR for this project. Based on an evaluation of these SOQ’s, Garney Companies, Inc. was recommended as the most qualified CMAR and was awarded a Pre-Construction Services contract on June 20, 2022. Garney has performed

pre-construction services during design development including reviewing the design for constructability, preparing cost estimates, and developing the project schedule and project phasing plan.

The overall construction for the various aspects of this project is anticipated to be completed by the end of 2025.

This GMP is the fifth of a series of GMP’s relating to CMRP work. The table below illustrates the anticipated timeline of future GMP’s for Council review.

Project	Scope of Work	Anticipated Date	Anticipated Cost
Central Mesa Reuse Pipeline – GMP 1	Purchase of pipe and associated materials	March 6, 2023	\$13,098,750
Central Mesa Reuse Pipeline – GMP 2	16-inch waterline relocation within the south half of the project	July 3, 2023	\$13,355,497
Central Mesa Reuse Pipeline – GMP 3	36-inch pipeline construction within the south half of the project	July 10, 2023	\$48,602,610
Central Mesa Reuse Pipeline – GMP 4	Purchase of long lead items for pump station and plant improvements	August 21, 2023	\$10,600,800
Central Mesa Reuse Pipeline – northern section - GMP 5	16-inch waterline relocation within the north half of the project	November 20, 2023	\$11,061,203
Central Mesa Reuse Pipeline – GMP 6	36-inch pipeline construction within the north half of the project	Feb, 2024	\$45,182,272
Central Mesa Reuse Pipeline – GMP 7	Construction of plant improvements	2024	\$12,495,757
Central Mesa Reuse Pipeline – GMP 8	Construction of intermediate pump station	2024	\$14,865,311
Central Mesa Reuse Pipeline – GMP 9	Pipe Inspections – Val Vista to Loop 202	2024	\$ 477,929
Total anticipated cost			\$169,740,129

Community Impact –

Temporary impacts during construction will include traffic control restrictions along the

project route. Construction will be phased to limit traffic impacts and maintain public access to businesses and local streets where feasibly possible. Additional street impacts include potential left turn restrictions, lane closures, and other temporary restrictions necessary to facilitate the construction of the pipelines.

Alternatives

An alternative to the approval of this GMP contract for this CMAR would be to construct this project using the traditional Design/Bid/Build method. This is not recommended due to the need for the additional services provided by a CMAR contractor during the design phase. The proposed Central Mesa Reuse Pipeline project will require extensive on-site investigation, construction sequencing, and constructability analysis by the contractor throughout the design phase.

Another alternative is to not perform the work. This is not recommended because without this project, credits for water exchange will not be available for the City to be able to expand water production and it would reduce the ability of the City to meet future water demands to support its growth in southeast Mesa.

Fiscal Impact

The total authorized amount recommended for this contract is \$11,061,203, based upon GMP No. 5 of \$10,534,479, plus an additional \$526,724 (5%) as a change order allowance. This allowance will only be utilized for approved change orders.

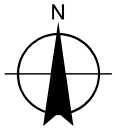
This project is funded by the Water Utility Systems Revenue Obligations.

Coordinated With

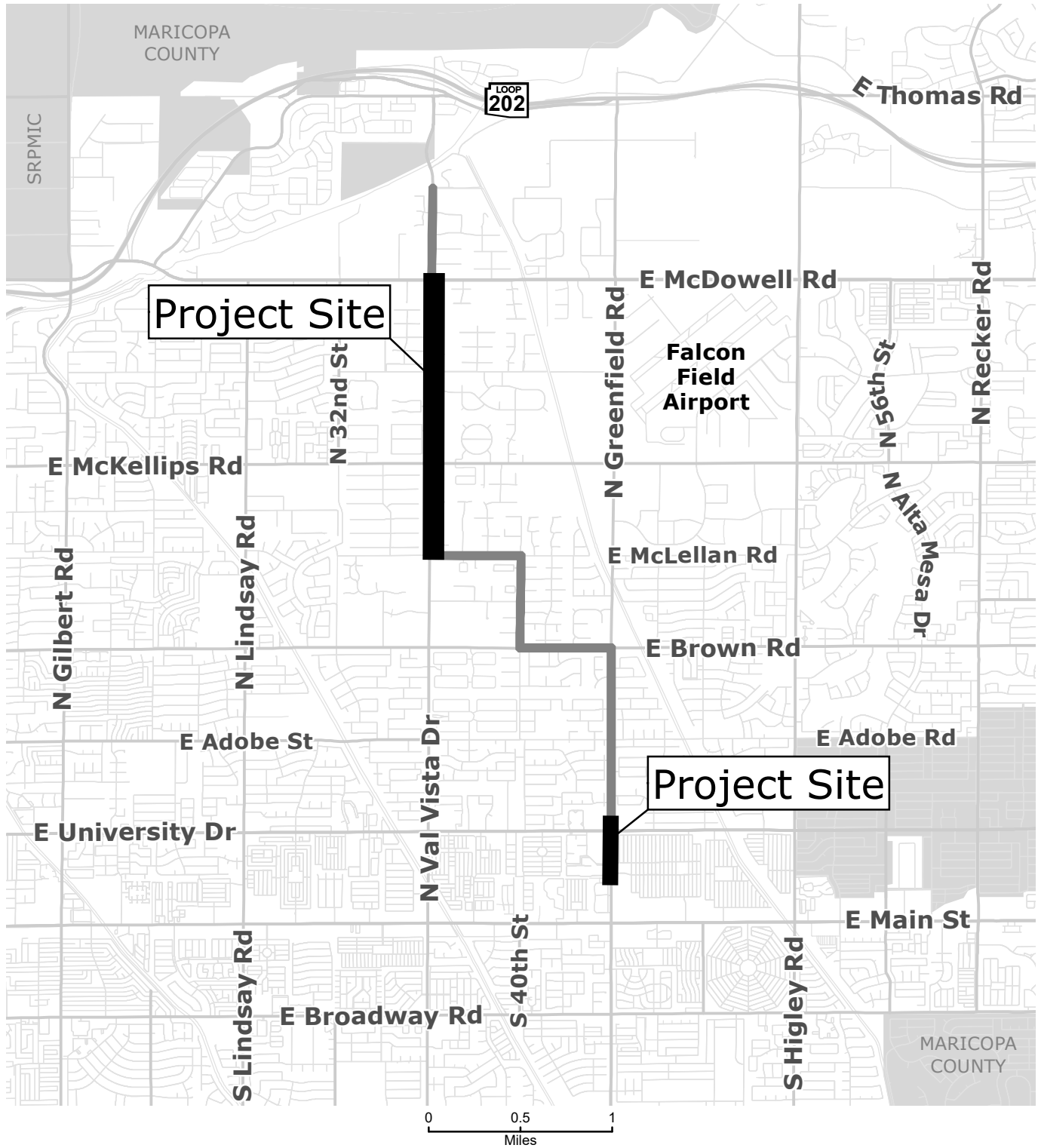
The Water Resources Department concurs with this recommendation.



Exhibit A



Map created by Engineering GIS DATE SAVED: 10/25/2023 Path: I:\GIS Mapping\Project_Files\Council_Maps\CP0896PH02\CentralMesaReusePipelinePH1\CP0896PH01\CentralMesaReusePipelinePhase1.mxd



Central Mesa Reuse Pipeline: Phase Waterline Relocations Project Number: CP0896PH01

— CP0896PH01 Project Limits