



# COUNCIL REPORT

**DATE:** August 30, 2022

**CATEGORY:** Consent

**DEPT.:** Public Works

**TITLE:** **Miramonte Water and Sewer Main Replacement, Projects 21-21 and 21-22— Amend Project Budgets, Approve Plans and Specifications/Authorize Bidding**

## **RECOMMENDATION**

1. Appropriate and transfer \$1,572,000 from Miscellaneous Water Main/Service Line Replacement, Project 18-21, to Miscellaneous Water Main/Service Line Replacement, Project 21-21, for the Miramonte Water Main Replacement Project. (Five votes required)
2. Appropriate and transfer \$166,000 from Miscellaneous Storm/Sanitary Sewer Main Replacement, Project 18-22, to Miscellaneous Storm/Sanitary Sewer Main Replacement, Project 21-22, for the Miramonte Sewer Main Replacement Project. (Five votes required)
3. Approve plans and specifications for Miramonte Water and Sewer Main Replacement, Projects 21-21 and 21-22, and authorize staff to advertise the project for bids.
4. Authorize the City Manager or designee to award the construction contract to the lowest responsible bidder if the low bid is within the project budget.

## **BACKGROUND**

The City annually funds two projects to replace deteriorated or undersized water and sewer mains under the Miscellaneous Water Main/Service Line Replacement and Miscellaneous Storm/Sanitary Sewer Main Replacement projects. Candidates for replacement are selected based on factors that include age, pipe material, history of breaks, and size. Multiple years of funding are sometimes combined to achieve the economy of scale and administrative efficiency of a larger project.

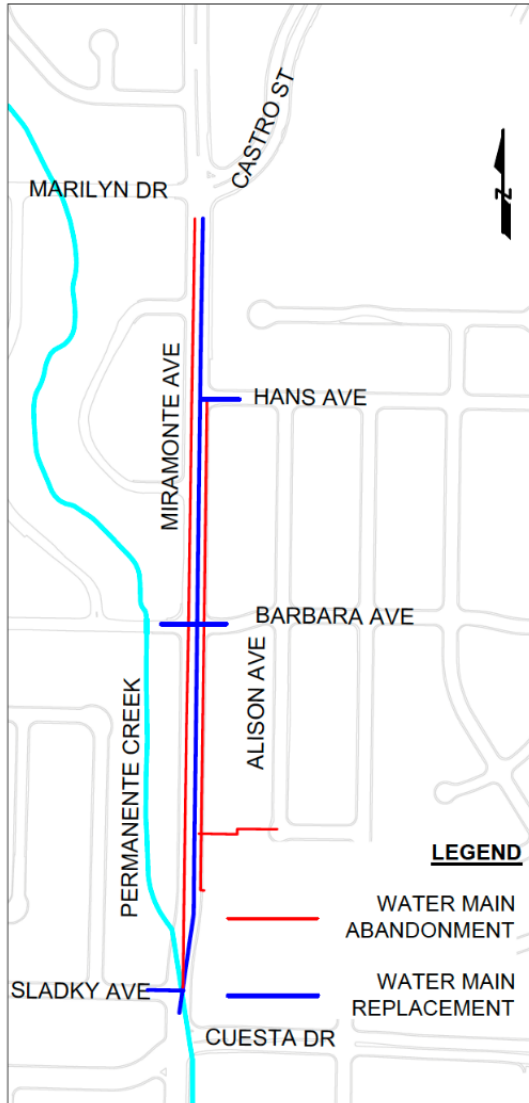
On [April 13, 2021](#), Council approved a professional services contract with BKF Engineers to design the replacement of substandard water mains for Miramonte Water Main Replacement, Project 21-21. After receiving sewer video inspections and updated hydraulic modeling data from the draft Sewer Master Plan project, staff recommended, and Council approved on [May 24, 2022](#), an amendment to BKF's agreement to include sewer main replacement design within the same project limits as the water main replacement to be funded from Project 21-22.

## **ANALYSIS**

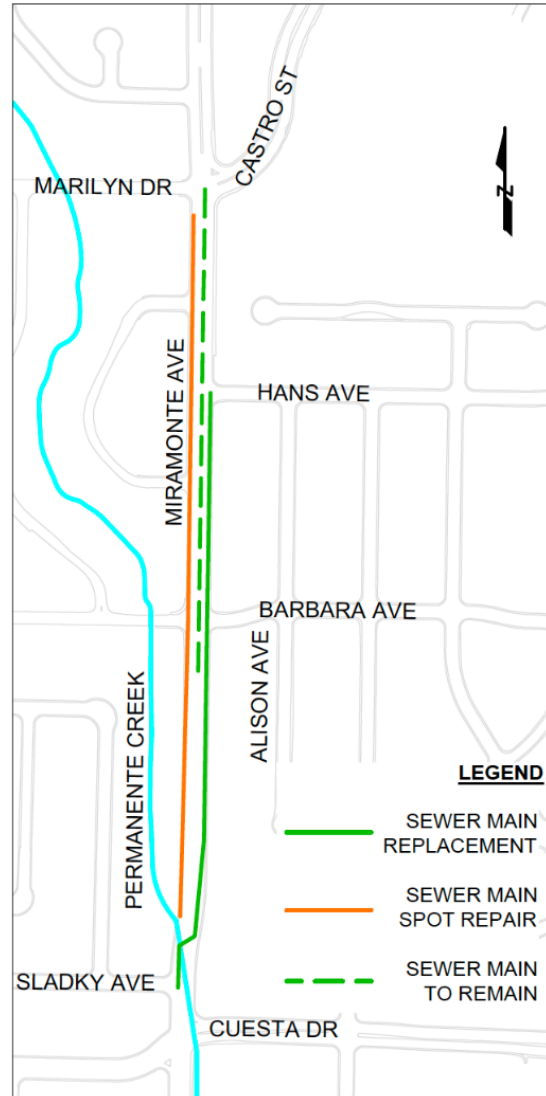
Miramonte Avenue Water and Sewer Main Replacements, Projects 21-21 and 21-22 (Miramonte project), will replace approximately 3,260 linear feet of substandard water main and 1,680 linear feet of substandard sewer main along Miramonte Avenue between Cuesta Drive and Castro Street (see Figures 1 and 2). The project will consolidate some water mains by abandoning an existing 8" water main on Miramonte Avenue between Cuesta Drive and Castro Street, the 4" water main on Miramonte Avenue between Sladky Avenue and Hans Avenue, and an existing 6" water main (backyard easement) between Alison Avenue and Miramonte Avenue. The new 12" water main between Cuesta Drive and Castro Street will serve as the replacement to the abandoned 4", 6", and 8" mains. All water service connections will be to the new 12" main. The water main at the cross streets within the project limits of Sladky Avenue, Barbara Avenue, Starr Way, and Hans Avenue will also be adjusted to connect to the new main in Miramonte Avenue.

There are three existing sewer mains within Miramonte Avenue. The existing 8" sewer main on the eastern side of Miramonte Avenue will be upsized to a 10" sewer main. The existing 8" sewer main on the western side of Miramonte Avenue will be repaired at targeted locations. The existing 10" sewer along the centerline of Miramonte Avenue will remain in place. The sewer mains are not able to be consolidated due to the gravity flow of sewage, pipeline elevations, and conflicts with utility crossings.

In addition, a construction project is under way to build a new bike path to connect Evelyn Avenue and Villa Street west of Shoreline Boulevard (see Figure 3). During the work, an existing 8" water main located under the bike path was damaged. The pipeline is an asbestos cement pipe that has had several breaks in the last few years, including one major break six months ago. Staff identified this water main is not essential for water operations and recommends it be abandoned. The abandonment requires significant work to fill the hollow pipe and to remove connections at the ends from the remaining water system. A new irrigation connection will be provided for the bike path project to be served from an existing water main. Staff is proposing to add this scope of work to the Miramonte project for construction bids to be funded from Miscellaneous Water Main/Service Line Replacement, Project 21-21.



**Figure 1: Miramonte Avenue  
Water Main Improvements**



**Figure 2: Miramonte Avenue  
Sewer Main Improvements**



**Figure 3: Villa/Shoreline  
Water Main Abandonment**

Plans and specifications for the project are complete and available for viewing in the Public Works Department. The estimated project cost is as follows:

Construction	\$3,388,000
Construction Contingency	510,000
Project Management	100,000
Construction Management and Inspection	200,000
Design Consultant Services	410,000
Project Contingency	<u>250,000</u>
Subtotal	\$4,858,000
City Administration	<u>316,000</u>
<b>TOTAL PROJECT COST ESTIMATE</b>	<b><u>\$5,174,000</u></b>

If Council approves the recommended actions and a responsive bid within the project budget is received, construction is anticipated to begin in fall 2022 and be completed by early 2023. Advance public noticing will occur prior to and during construction. It is critical for the City to complete the underground utility work prior to construction of the Miramonte Avenue street resurfacing and pedestrian and bicycle improvements scheduled for summer 2023.

### **Environmental Clearance**

In accordance with the requirements of the California Environmental Quality Act (CEQA), this project has been determined to be categorically exempt as Class 2, Replacement or Reconstruction, because the project will provide a replacement of existing public facilities involving negligible or no expansion of capacity at the same site.

### **FISCAL IMPACT**

The Miramonte Water and Sewer Main Replacements are funded out of Miscellaneous Water Main/Service Line Replacement, Project 21-21, and Miscellaneous Storm/Sanitary Sewer Main Replacement, Project 21-22. Project 21-21 is funded from the Water Fund and Water Capacity Fee, with a current budget of \$2,688,000. The design and construction of a water main replacement project on San Antonio Road was previously funded from Project 21-21 at a cost of \$734,000. As shown in the table below, an additional \$1,572,000 is needed to fund the water main portion of the Miramonte project.

Project 21-22 is funded from the Wastewater Fund, with a current budget of \$1,482,000. As shown in the table below, an additional \$166,000 is needed to fund the sewer main portion of the Miramonte project.

	<b>Project 21-21</b>	<b>Project 21-22</b>	<b>Total</b>
Miramonte Project Cost	\$3,526,000	\$1,648,000	\$5,174,000
San Antonio Expenditures	<u>734,000</u>	<u>N/A</u>	<u>734,000</u>
<b>Total Project Costs</b>	<b><u>\$4,260,000</u></b>	<b><u>\$1,648,000</u></b>	<b><u>\$5,908,000</u></b>
Project Budget	\$2,688,000	\$1,482,000	\$4,170,000
Funding Needs	\$1,572,000	\$ 166,000	\$1,738,000

Staff recommends transferring \$1,572,000 from Miscellaneous Water Main/Service Line Replacement, Project 18-21, to Miscellaneous Water Main/Service Line Replacement, Project 21-21, and \$166,000 from Miscellaneous Storm/Sanitary Sewer Main Replacement, Project 18-22, to Miscellaneous Storm/Sanitary Sewer Main Replacement, Project 21-22, to cover the project shortfall of \$1,738,000.

**ALTERNATIVES**

1. Defer construction.
2. Provide other direction.

**PUBLIC NOTICING**

Agenda posting. Individual letters were sent to property owners near the project site and to property owners impacted by new fire hydrant locations.

Prepared by:

Ariel Morales  
Senior Civil Engineer

Approved by:

Dawn S. Cameron  
Public Works Director

Reviewed by:

Tina S. Tseng  
Principal Civil Engineer/Engineering  
and Environmental Compliance

Audrey Seymour Ramberg  
Assistant City Manager/  
Chief Operating Officer

Lisa Au  
Assistant Public Works Director

AM/EP/4/CAM  
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cc: APWD—Arango, APWD—Au, PCE—Shah, PCE—Tseng, SCE—Morales, USM, SMA—Doan,  
File (21-21 and 21-22), cmvgis@mountainview.gov