



City Council Agenda Item Staff Report

CITY OF SAN BRUNO

DATE: February 22, 2022

TO: Honorable Mayor and Members of the City Council

FROM: Jovan Grogan, City Manager

PREPARED BY: Matthew Lee, Public Works Director

SUBJECT: Adopt Resolution Authorizing the City Manager to Execute an Amendment to the Agreement with Wilsey Ham for Design and Construction Support Services in the Amount Not to Exceed \$150,000 for the Avenues 2-1 and 2-2 Sewer and Water Replacement Project

BACKGROUND: Water and Sewer Master Plans were approved by the City Council on March 12, 2013 and February 25, 2014, respectively. The City subsequently completed the 10-year prioritized work plan which coordinates the individual improvement projects identified in the master plans into sequenced, bundled construction packages. On June 24, 2014, City Council approved the 10-year Improvement Work Plan which included addressing the following issues in the development of the overall program priorities:

- Regulatory deadlines that require completion of sewer capacity projects by 2018.
- Sewer condition assessments that identify pipelines requiring replacement.
- Replacement of aging and under-sized sewer infrastructure to reduce infiltration/inflow and ongoing maintenance needs.
- Replacement of aging and under-sized water infrastructure that will improve fire flow reliability and reduce pipeline leaks.

Based on these considerations, priorities were developed to focus on the following:

- Implement and complete sewer capacity projects to meet regulatory completion deadlines.
- Replace oldest infrastructure in the downtown area and surrounding neighborhoods.

The Avenues 2-1 and 2-2 Sewer Main Replacement Projects and Avenue 2-1 Water Main Replacement Project were identified as capital improvement projects in this work plan. The separate projects were combined into one overall project and will be constructed concurrently to minimize construction impacts to the public. The primary purposes of the project are to reduce the risk of sanitary sewer overflows and improve the reliability of the water system. This project consists of installing approximately 250 feet of water pipeline along a private easement between 1st Avenue and 4th Avenue, and 12,400 feet of sewer pipeline along various streets and one private easement bounded within 7th Avenue, East San Bruno Avenue, 1st Avenue, and most southerly limits of 1st through 7th Avenues. The existing pavement where the pipeline replacement is proposed will be rehabilitated after

construction of the pipeline facilities.

Completion of this project will provide residents with a more reliable water and sewer infrastructure that will prevent future water leaks and sewer overflows and improved roadway surfaces.

On March 12, 2019, the City Council authorized the City Manager to execute an agreement for design and construction support services with Wilsey Ham in the amount of \$610,000 for the Avenues 2-1 and 2-2 Sewer and Water Replacement Project. Staff is currently in the design phase with 60% of the design complete.

The project includes replacement of sewers lines on 2nd, 3rd, 4th, 5th, and 6th Avenues, East San Bruno Avenue and Pine Street. All of the sewer lines from the Avenues 2-1 project discharge into the larger existing sewer collectors on 7th Avenue and Angus Avenue, as shown in Attachment 2. The larger existing sewer collectors on 7th Avenue and Angus Avenue were replaced within the last 20 years and have significant remaining useful service life that they do not need to be replaced as part of this effort.

DISCUSSION: During the early design stage, staff identified ongoing maintenance issues at the double manhole structure at Angus and 7th Avenues as shown in Attachment 2. Maintenance staff has indicated that sewer flows seem to 'back-up' in this location, requiring frequent maintenance to clear the junction. There were no reportable Sanitary Sewer Overflows due to this issue.

At the request of staff, Wilsey Ham performed a study and provided an option to address the existing Angus and 7th Avenues sewer backup. The design would replace approximately seven hundred feet of sewer line to keep the flow moving in the proper direction. Since the original scope did not include design on the sewer lines on 7th Avenue, staff is requesting an amendment to the agreement with Wilsey Ham to proceed with designing improvements on 7th Avenue to address the identified issue.

The existing pavement where the project's pipeline replacement is proposed will be rehabilitated after construction of the pipeline facilities. Accessible curb ramps will be installed at locations of rehabilitated pavements as required by the Americans with Disability Act. At locations where accessible curb ramps will be installed, several locations have been identified where storm drain inlets, catch basins, and piping may require significant adjustments to construct compliant accessible curb ramps as shown in Attachment 3. Storm drain related adjustments will be required as part of the redesign. Staff is requesting an amendment to the Agreement for design and construction support services with Wilsey Ham in the amount not to exceed \$88,000 for design related to the 7th Avenue sewer line repair and \$62,000 for design related to storm drain adjustment. This amendment will fund the additional services related to survey and basemap work, potholing, field visits, design plans, specifications, construction estimates, updated Basis of Design Memorandum and construction support services.

FISCAL IMPACT: The current fiscal impact for this item is \$150,000 for the additional design effort. \$75,000 for project 31009 and \$75,000 for project 31010. Funds were requested in the Fiscal Year 2021-2022 Mid-year Budget Amendment.

ENVIRONMENTAL IMPACT: The proposed project qualifies for a categorical exemption per Section 15301(b), Existing Facilities, and Section 15303(d) New Construction.

RECOMMENDATION: Adopt Resolution authorizing the City Manager to execute an amendment to the agreement with Wilsey Ham for design and construction support services for the Avenues 2-1 and 2-2 Sewer and Water Replacement Project in the amount not to exceed \$150,000.

ALTERNATIVES:

1. Do not approve the agreement amendment with Wilsey Ham for all the additional work on 7th Avenue. Potential “back ups” and frequent maintenance will continue until a solution is identified and implemented.
2. Approve the agreement amendment with Wilsey Ham for the additional work related to the sewer line repair but not the storm drain adjustments. The installation of accessible curb ramps and pavement rehabilitation would be removed from the project
3. Perform the proposed design work on a future design agreement and construction project. This alternative will require staff to advertise an additional Request for Proposal for design work and advertise an additional construction contract. Additionally, this alternative may increase overall construction costs due to duplicate pipeline work at junction locations.

ATTACHMENTS:

1. Resolution
2. Project Site Map
3. Proposed Storm Drain Inlet Adjustments

RESOLUTION NO. 2022 - ____

RESOLUTION AUTHORIZING AN AMENDMENT TO THE AGREEMENT WITH WILSEY HAM FOR DESIGN AND CONSTRUCTION SUPPORT SERVICES FOR THE AVENUES 2-1 AND 2-2 SEWER AND WATER REPLACEMENT PROJECT IN THE AMOUNT NOT TO EXCEED \$150,000

WHEREAS, on March 12, 2019, the City Council authorized the City Manager to execute an agreement for design and construction support services with Wilsey Ham in the amount of \$610,000 for the Avenues 2-1 and 2-2 Sewer and Water Replacement Project; and

WHEREAS, the project includes replacement of sewers on 2nd, 3rd, 4th, 5th, and 6th Avenues, East San Bruno Avenue and Pine Street; and

WHEREAS, since the 7th Avenue and Angus Avenue trunk lines were replaced within the last 20 years, the current scope of the Avenues 2-1 and 2-2 Sewer and Water Replacement project does not include improvements to these 7th Avenue and Angus Avenue trunk lines; and

WHEREAS, during the early design stage, staff identified ongoing maintenance issues at the double manhole structure at Angus and 7th Avenues; and

WHEREAS, at the request of staff, Wilsey Ham performed a study and provided an option to address the existing Angus and 7th Avenues sewer backup; and

WHEREAS, since the original scope did not include design or construction support services on Angus and 7th Avenues, staff is requesting an amendment to the agreement with Wilsey Ham to proceed with designing improvements on 7th Avenue; and

WHEREAS, at locations where accessible curb ramps will be installed, several locations have been identified where storm drain inlets, catch basins, and piping may require significant adjustments to construct compliant accessible curb ramps; and

WHEREAS, storm drain related adjustments were not included in the original scope and the proposed amendment will include design and construction support services related to storm drain adjustments; and

WHEREAS, staff is requesting an amendment to the Agreement for design and construction support services with Wilsey Ham in the amount not to exceed \$150,000; and

WHEREAS, this amendment will fund the additional services related to survey and basemap work, potholing, field visits, design plans, specifications, construction estimates, updated Basis of Design Memorandum and construction support services.

NOW, THEREFORE, BE IT RESOLVED that the San Bruno City Council authorizes the City Manager to execute an amendment to the agreement with Wilsey Ham for the design and construction support services for the Avenues 2-1 and 2-2 Sewer and Water Replacement Project in the amount not to exceed \$150,000.

Dated: February 22, 2022

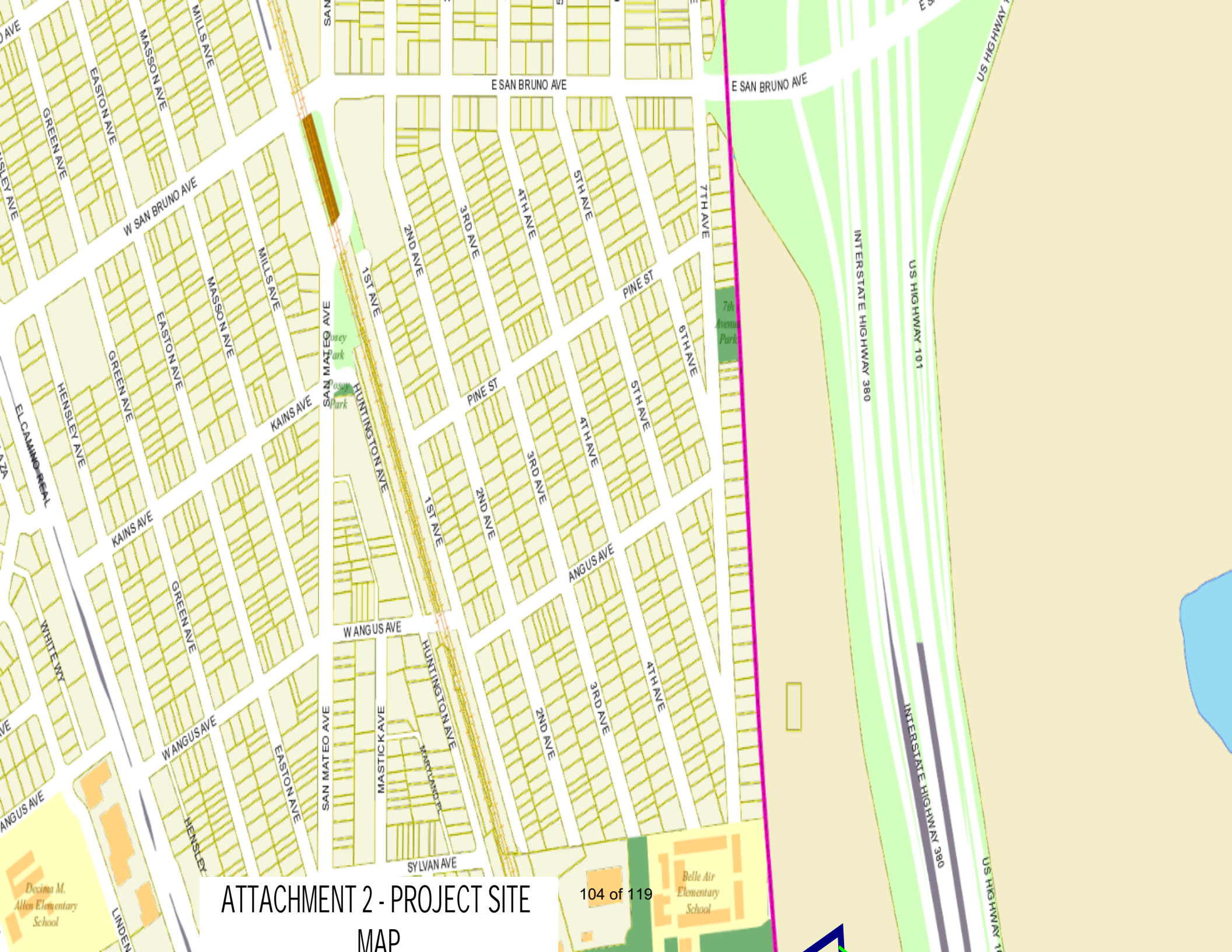
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I, Melissa Thurman, City Clerk, do hereby certify that the foregoing Resolution was duly and regularly passed and adopted by the City Council of the City of San Bruno this 22nd day of February 2022 by the following vote:

AYES: Councilmembers: _____
NOES: Councilmembers _____
ABSENT: Councilmembers: _____

ATTEST:

Melissa Thurman, MMC
City Clerk



ATTACHMENT 2 - PROJECT SITE

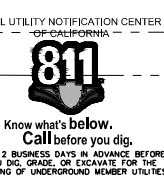
MAP

Belle Air
Elementary
School

Decima M.
Allen Elementary
School

SDI ADJUSTMENT LEGEND

- SDI TO BE ADJUSTED
- SDI TO POTENTIALLY ADJUSTED



H:\902-San Bruno\902-008 San Bruno Ave. SS & W Repal\Engineering\Construction Drawings\03-KEY MAP.dwg 2-07-22 11:41:03 AM pbusinger



CITY OF SAN BRUNO
 DEPARTMENT OF PUBLIC WORKS
 ENGINEERING DIVISION
 567 EL CAMINO REAL
 SAN BRUNO, CA 94066
 CCN #81009 & 31010

NO.	DATE	ISSUE / REVISIONS	BY

WILSEY HAM
 Engineering, Surveying & Planning
 3130 La Selva Street, Suite 100
 San Mateo, CA 94403
 650.349.2151
 wilseyham.com



Proj. Mgr.	CTL	
Proj. Eng.	RLD	
Designer	RLD	2/7/22
Checked	BSD	
Drawn	PJB	
Plotted		
	BY	DATE

CITY OF SAN BRUNO
 AVENUES 2-1 AND 2-2 SEWER & WATER REPLACEMENT
SDI ADJUSTMENT EXHIBIT

CITY OF SAN BRUNO SAN MATEO COUNTY CALIFORNIA

SHEET	1	of	1
JOB NO.:	902-008	SCALE:	AS SHOWN
DATE:	2/7/22		