



Office of the City Manager

CONSENT CALENDAR
January 31, 2023

To: Honorable Mayor and Members of the City Council
From: Dee Williams-Ridley, City Manager
Submitted by: Liam Garland, Director, Department of Public Works
Subject: Contract: Andes Construction, Inc. for FY2023 Sanitary Sewer Rehabilitation Parnassus Rd, et al. Project

RECOMMENDATION

Adopt a Resolution: 1) approving plans and specifications for the FY2023 Sanitary Sewer Rehabilitation Parnassus Road Project, et al. Project located throughout the City of Berkeley; 2) accepting the bid of the lowest responsive and responsible bidder, Andes Construction, Inc.; and 3) authorizing the City Manager to execute a contract and any amendments, extensions, or other change orders until completion of the project in accordance with the approved plans and specifications, in an amount not to exceed \$4,444,006, which includes a 10% contingency of \$404,001.

FISCAL IMPACTS OF RECOMMENDATION

Funding is available in the FY 2023 Sanitary Sewer Fund at 611-54-623-676-3013-000-473-665130-PWENSR2301.

Lowest bid by Andes Construction, Inc.	\$4,040,005
10% Contingency	\$404,001
Total construction cost	\$4,444,006

CURRENT SITUATION AND ITS EFFECTS

An Invitation for Bids (Specification. No. 23-11548-C) was released on November 09, 2022, and bids were opened on December 13, 2022. Six non-local bids were received, ranging from a low of \$4,040,005 to a high of \$6,492,528 (Attachment 3, Bid Results). The engineer's estimate for the project was \$5,200,000. Andes Construction, Inc. of Oakland, CA was the lowest responsive and responsible bidder with a bid of \$4,040,005. References for Andes Construction, Inc. proved satisfactory. Staff recommends the award of the contract to Andes Construction, Inc.

This sanitary sewer project supports the City's Strategic Plan goals of providing state

of-the-art, well-maintained infrastructure, amenities, and the goal of protecting the environment.

BACKGROUND

To remain compliant with the Consent Decree dated September 22, 2014, the City has implemented a long-term mandated Sanitary Sewer Capital Improvement Program to eliminate sanitary sewer overflows (SSOs) and to reduce stormwater infiltration and inflow into the sanitary sewer system. Under this program, the City utilizes a comprehensive asset management approach based on complex and evolving hydrologic and hydraulic modeling and condition assessments to repair, replace, or upgrade the City's portion of the sanitary sewer system. Ultimately, these actions will assist East Bay Municipal Utility District (EBMUD) in its goal of eliminating discharges from its wet weather facilities by the end of 2035.

This is the ninth year of the twenty-two-year Consent Decree program, which stipulates that the City shall perform collection system repair and rehabilitation to control infiltration and inflow.¹ This is in support of and in addition to ongoing work previously identified in the City's Sanitary Sewer Management Plan (SSMP) and Asset Management Implementation Plan (AMIP).

This sanitary sewer project is part of the City's ongoing program to rehabilitate or replace its aging sanitary sewer system, and to eliminate potential health hazards to the public. The project is located throughout the City as shown on the Location Map (Attachment 2). The sanitary sewer collection system in these areas requires immediate rehabilitation to prevent pipe failures, sewer blockages, and leakage problems. Field investigations performed using a closed-circuit television camera revealed deteriorated piping and pipe defects in the existing sanitary sewer mains. These conditions are similar to problems previously found in other sanitary sewer mains prior to their replacement.

Planned work includes the rehabilitation of approximately 6,129 linear feet of sanitary sewer mains varying in size from 6-inch to 12-inch diameter sanitary sewer pipe; rehabilitation of fifty-eight maintenance holes; removal and reconstruction of sixty-two maintenance holes; construction of seven maintenance holes; replacement of 4-inch and 6-inch diameter sanitary sewer laterals, and other related work. To reduce traffic impacts, minimize inconvenience to the public, and reduce cost, a majority of this sanitary sewer rehabilitation work will be performed using the pipe bursting method. This trenchless method allows the replacement of pipelines buried below street level without the need for traditional open trench construction. This method of pulling a new high-density polyethylene pipe (HDPE) through the existing vitrified clay pipe with a cone-shaped hammerhead to "burst" the surrounding clay pipe, allows for cost savings and minimizes street closures and traffic disruptions caused by open trenches. The contract's one hundred twenty working day term includes a seventy-five working day construction period and an additional forty-five working days for project closeout. A 10% contingency is included for related

¹ At an average annual rate of no less than 22,120 feet of sanitary sewer mains on a three-fiscal-year rolling average.

construction events.

The Living Wage Ordinance does not apply to this project as Department of Public Works construction contracts are subject to State prevailing wage laws. Andes Construction, Inc. has submitted a Certification of Compliance with the Equal Benefits Ordinance. The Community Workforce Agreement (CWA) applies to this project because the estimated value of the project exceeded \$500,000. As a result, the contractor and all subcontractors will be required to sign an agreement to be bound by the terms of the CWA.

The City filed a Notice of Exemption declaring this work is exempt from the California Environmental Quality Act (CEQA). This notification was filed with Alameda County to fulfill the requirement for public notification. No comments, questions, or protests were received.

ENVIRONMENTAL SUSTAINABILITY AND CLIMATE IMPACTS

Improvements to the City's sanitary sewer system will help protect water quality by reducing the frequency of SSOs, and infiltration and inflow into the City's sanitary sewer system that can negatively affect the San Francisco Bay.

RATIONALE FOR RECOMMENDATION

Contracted services are required for the specialized services required for this project, as the City lacks the in-house resources needed to complete scheduled sanitary sewer rehabilitation and replacement projects. Further, the City must take timely action to address urgent and emergent sewer repairs without delay. Finally, subject to fines and stipulated penalties, the Consent Decree demands the City repair acute defects within one year of discovery, and complete sanitary sewer mains rehabilitation and replacement at an average annual rate of no less than 22,120 feet on a three-fiscal-year rolling average. The City will have a three-year annual average of approximately 22,600 linear feet of replaced or rehabilitated sewer through the end of FY 2023 on June 30, 2023.

ALTERNATIVE ACTIONS CONSIDERED

No reasonable alternative exists as the City's sanitary sewer pipelines are in poor condition and in need of timely rehabilitation to prevent an increased probability of infiltration and inflows, sanitary sewer leakages, and backup problems in the sanitary sewer system.

CONTACT PERSON

Joe Enke, Manager of Engineering, Public Works, (510) 981-6411
Daniel Akagi, Supervising Civil Engineer, Public Works, (510) 981-6394
Farid Javandel, Deputy Director of Public Works, Transportation and Engineering (510) 981-7061

Attachments:

1: Resolution

- 2: Location Map
- 3: Bid Results

RESOLUTION NO. ##,###-N.S.

CONTRACT: ANDES CONSTRUCTION, INC. FOR FY2023 SANITARY
SEWER REHABILITATION PARNASSUS RD, ET AL. PROJECT.

WHEREAS, the Sanitary Sewer Project is part of the City's on-going Sanitary Sewer Capital Improvement Program to rehabilitate or replace the aging and deteriorated sanitary sewer system; and

WHEREAS, the Capital Improvement Program is a requirement of compliance with the National Pollution Discharge Elimination System Permit (NPDES) and California Regional Water Quality Control Board Consent Decree; and

WHEREAS, the City has neither the staff nor the equipment necessary to undertake this Sanitary Sewer Rehabilitation Project and other urgent and emergent sewer repairs; and

WHEREAS, on November 9, 2022, the City released an Invitation for Bids (Specification No. 23-11548-C) for sanitary sewer rehabilitation and replacement; and

WHEREAS, on December 13, 2022, the City received six bids and Andes Construction, Inc. was found to be the lowest responsive and responsible bidder; and

WHEREAS the City filed a Notice of Exemption on May 19, 2022, declaring this work is exempt from the California Environmental Quality Act, and

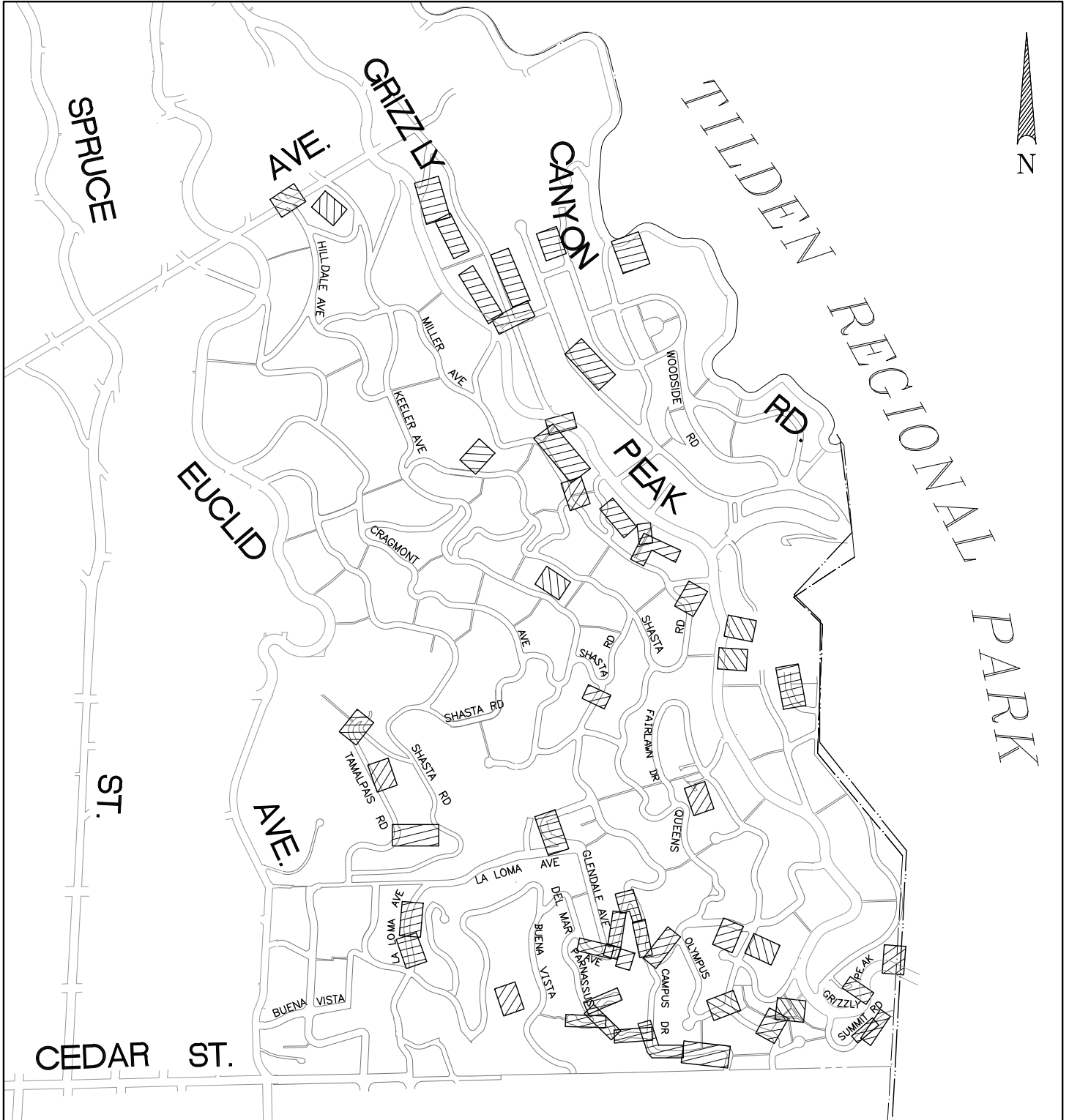
WHEREAS, funds are currently available in the FY 2023 Sanitary Sewer Fund 611; and

NOW THEREFORE, BE IT RESOLVED by the Council of the City of Berkeley that the Plans and Specifications No. 23-11548-C for the FY2023 Sanitary Sewer Rehabilitation Parnassus Rd, et al. Project are approved.

BE IT FURTHER RESOLVED that the Council of the City of Berkeley authorizes the City Manager to execute a contract and any amendments with Andes Construction, Inc., until completion of the project in accordance with the approved plans and specifications for the Sanitary Sewer Rehabilitation Parnassus Road Project, et al. Project located throughout the City, in an amount not to exceed \$4,444,006 which includes a 10% contingency for unforeseen circumstances. A record signature copy of the said contract and any amendments is to be on file in the City Clerk Department.

CITY OF BERKELEY, CALIFORNIA SANITARY SEWER et al. PARNASSUS AVENUE REHABILITATION PROJECT

SPECIFICATION NO. 23-11548-C



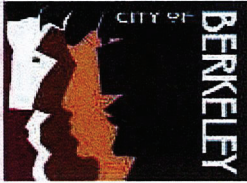
LEGEND



PROJECT REPAIR LOCATION

LOCATION MAPS

NOT TO SCALE



**City of Berkeley
Abstract of Bid Worksheet**

Finance Department
General Services Division

Spec. No.23-11548-C

Bid Date: 12/13/2022

FOR: Sanitary Sewer Rehabilitation – Parnassus Road, et al.

required w/ bid

	Bidders	Base Bid	Bid Bond	Addendum (3)	Sub-Contractor List	Experience - Fin. Qual.	Taxpayer ID	Opp.States	Nuclear Free	EBO	Sanctuary City
1	ANDES CONSTRUCTION INC	\$ 4,040,005.00	X	X	X	X	X	X	X	X	X
2	BAY PACIFIC PIPELINE INC	\$ 4,241,599.50	X	X	X	X	X	X	X	X	X
3	CRATUS INC	\$ 6,364,902.00	X	X	X	X	X	X	X	X	X
4	GLOSAGE ENGINEERING INC	\$ 5,145,970.00	X	X	X	X	X	X	X	X	X
5	PACIFIC TRENCHLESS INC	\$ 4,163,185.00	X	X	X	X	X	X	X	X	X
6	PRECISION ENGINEERING INC	\$ 6,492,528.00	X	X	X	X	X	X	X	X	X
7											
8											
9											
10											

Bid Recorder: Talia Stewart

Talia Stewart (Dec 13, 2022 16:27 PST)

Dec 13, 2022

Bid Opener: Josh Roben

Josh Roben (Dec 13, 2022 14:53 PST)

Dec 13, 2022

Project Manager: Daniel Akagi

Daniel Akagi (Dec 13, 2022 14:54 PST)

Dec 13, 2022

