



# CITY OF SAN MATEO

City Hall  
330 W. 20th Avenue  
San Mateo CA 94403  
[www.cityofsanmateo.org](http://www.cityofsanmateo.org)

## Agenda Report

---

Agenda Number: 6

Section Name: {{section.name}}

File ID: {{item.tracking\_number}}

---

**TO:** City Council

**FROM:** Drew Corbett, City Manager

**PREPARED BY:** Public Works Department

**MEETING DATE:** May 4, 2020

**SUBJECT:**  
Clean Water Program Construction Monitoring Services - Agreement

### RECOMMENDATION:

Approve a professional services agreement with Terraphase Engineering, Inc. for construction monitoring support services for the Clean Water Program's Wastewater Treatment Plant Upgrade and Expansion Project and Underground Flow Equalization System Project, in amount not-to-exceed \$588,330; establish a contingency of \$50,000; and authorize the Public Works Director to execute the agreement in substantially the form presented and issue change orders within the contingency amount .

### BACKGROUND:

The Clean Water Program includes improvements to wastewater system capacity, flow management, and inflow and infiltration reduction to comply with regulatory requirements. The two largest construction projects in the Clean Water Program are the Wastewater Treatment Plant Upgrade and Expansion (WWTP Project) and the Underground Flow Equalization System (UFES Project). These projects require various forms of monitoring to ensure the environmental impacts associated with construction activity are mitigated to the extent feasible. Depending on the project, monitoring may include noise, dust, vibration, and groundwater monitoring. Monitoring activity, specifically for noise and dust levels, require specialized consultant services, while the other monitoring efforts will be completed by the construction contractor or construction management teams.

Staff issued a Request for Proposals on February 23, 2020 for construction monitoring support services for the WWTP and UFES projects. Two firms (Terraphase Engineering, Inc. and Wilson Irhig) submitted proposals on March 16, 2020. Staff evaluated the proposals based on project approach, team and firm experience, team qualifications, references, and quality of proposal. Following the proposal review, staff determined Terraphase Engineering, Inc. is best qualified to provide on-site construction monitoring support services for the Clean Water Program. Firm selection is consistent with Municipal Code 3.60.040(c) for professional services.

This agreement, with a not-to-exceed budget of \$588,330, includes noise monitoring services for the WWTP Project and noise and dust monitoring services for the UFES Project to ensure compliance with project thresholds. In addition, staff recommends establishing a contingency of \$50,000 for any additional monitoring and reporting needs that may arise throughout construction. Staff believes this to be a reasonable budget for the potential scope of work and expertise required and recommends the award of agreement to Terraphase Engineering, Inc.

### BUDGET IMPACT:

This agreement in the amount of \$588,330, and a contingency amount of \$50,000, will be funded from two Clean Water Program project accounts: Basins 2 and 3 Collection System Improvements Project (46S003) and WWTP Upgrade and Expansion Project (46T003). There are sufficient funds available in each project to fund this agreement.

**ENVIRONMENTAL DETERMINATION:****WWTP Project**

The City prepared a Final Programmatic Environmental Impact Report (Final PEIR) in accordance with the California Environmental Quality Act (CEQA) (SCH No. 2015032006). The PEIR was certified by Council on June 6, 2016. In accordance with CEQA, the Final PEIR serves as the primary environmental compliance document for implementation of the Clean Water Program. The City prepared Addenda to the Final PEIR that were approved on July 16, 2018 (Addendum 1) and April 15, 2019 (Addendum 2). This work is within the scope of the project evaluated in the PEIR and Addendum.

**UFES Project**

The City prepared a Final Environmental Impact Report (SCH No. 2018092013) for the UFES project. The Final EIR was certified by City Council on October 21, 2019.

**NOTICE PROVIDED**

All meeting noticing requirements were met.

**ATTACHMENTS**

Att 1 – Agreement

**STAFF CONTACT**

Deryk Daquigan, Engineering Manager  
ddaquigan@cityofsanmateo.org  
(650) 522-7287

Azalea Mitch, Deputy Director  
amitch@cityofsanmateo.org  
(650) 522-7309