

EXHIBIT A-2
BKF ENGINEERS

MIDCOAST MULTIMODAL TRAIL
REVISIONS TO SCOPE OF WORK

A. ADDITIONS TO SCOPE OF WORK

1. Project Management:

Site Visit and Coordination

The Contractor (also referred to as “BKF”) and its sub-consultants (the “consultant team”) has engaged with the County and SAM (Sewer Authority Mid-Coast) to discuss the location of the force main. In addition, a site visit to work with SAM’s design consultant has occurred. BKF will continue to coordinate with the relevant stakeholders as needed.

Project Management

BKF will continue to manage the sub-consultant team and the project. Monthly reporting and schedule updates will be provided.

Deliverables:

- a. *Monthly Reporting*
- b. *Project Schedule*

2. Utility Locating:

Potholing

Exaro (sub-consultant) will pothole and locate the existing 16” ductile iron pipe water line in 30” steel casing near the proposed bridge along with the existing 10” water and 10” sanitary sewer crossing the proposed retaining wall. Exaro will provide vertical and horizontal location of the utilities referenced to existing infrastructure.

Survey of Utility Locator Markings

BKF will survey the markings of utility locations left in the field by Exaro.

Deliverables:

- a. *Utility Location Report*
- b. *Survey File*

3. Supplemental Topographic Survey:

The County is concerned that force main trench excavation work has disturbed the area near the proposed trail. BKF will survey the force main utility trench excavation and installed structures.

Deliverables:

- a. *Survey File*

4. Revisions to Plans, Specifications and Estimates

Geotechnical Recommendations

Parikh Engineering (sub-consultant) will provide geotechnical recommendations regarding the necessary clearances between the bridge piles and soldier piles with respect to existing utilities so as not to adversely impact the existing utilities

Meeting with County and Utility Owners

The consultant team will meet with the County and utility owners (Sewer Authority Mid-Coastside, Granada Community Services District, and Coastside County Water District) to discuss utility clearance requirements and required methods to protect the existing utilities during construction.

Structural Redesign

Cornerstone Engineering (sub-consultant) will revise their design (bridge and retaining wall) based on the findings of the existing utilities locations and requirements of the utility owners. Plans and specifications will also be revised to recommend the Contractor pothole the adjacent utilities prior to pile driving operations and have the utility owner's representative identify the exposed utility in the field.

Revisions to Civil Design

BKF will revise the design based on revisions to the structures and the supplemental survey of the disturbed areas related to SAM's force main trench excavation.

Deliverables:

- a. *Meeting Summary*
- b. *Revised Structural Design*
- c. *Revised Civil Design*