



STAFF REPORT

AGENDA NO: 8f

MEETING DATE: September 8, 2020

To: Honorable Mayor and City Council

Date: September 8, 2020

From: Syed Murtuza, Director of Public Works – (650) 558-7230

Subject: Adoption of a Resolution Authorizing a Professional Services Agreement with Wilsey Ham in the Amount of \$157,223 for the Engineering Design Services for the 1740 Rollins Road Sewage Pump Station Effluent Force Main Upgrades Project, and Authorizing the City Manager to Execute the Agreement

RECOMMENDATION

Staff recommends that the City Council adopt the attached resolution authorizing a professional services agreement with Wilsey Ham for the 1740 Rollins Road Sewage Pump Station Effluent Force Main Upgrades, City Project No. 85870, in the amount of \$157,223, and authorizing the City Manager to execute the agreement.

BACKGROUND

City staff has identified that the effluent force main at the 1740 Rollins Road Sewage Pump Station is vulnerable to failure because of its age and condition. The existing force main consists of 10-inch diameter, approximately 1,800 feet of asbestos cement pipe, which was installed in 1954. In addition, this pipeline does not have any standby bypass alternatives, which means that in the event of a failure within this pipeline or if any maintenance needs to be performed on this pipeline, it would require a significant undertaking to temporarily bypass the pipeline to perform any repairs. Such failures would also stretch staff resources to attend to and perform bypass piping and repairs. Therefore, the purpose of this project is to install a new pipeline parallel to the existing force main and to rehabilitate the existing force main. This project will design approximately 4,000 feet of new 12-inch diameter force main and rehabilitate approximately 1,800 feet of existing force main. The new force main is longer than the existing force main because the new force main will not have siphons that exist within the gravity portion under two creeks, downstream of the existing force main. These siphons have been a maintenance problem, and the new force main will not have any siphons, which will eliminate a major maintenance problem. After the project is completed, the new force main will be used as a primary force main and the rehabilitated force main will be used as a standby secondary force main.

DISCUSSION

Staff requested a proposal for design engineering services from Wilsey Ham since the firm had previously performed an initial evaluation and preliminary design of this pipeline. Additionally, Wilsey Ham has successfully performed similar projects for the City in the past. Staff negotiated the following scope of services for the design work with Wilsey Ham in the amount of \$157,223, which is described in detail in Exhibit A of the attached Professional Services Agreement:

- Perform utility location surveys;
- Perform potholing to determine depth of the utilities;
- Perform easement and right-of-way research;
- Develop 30% plans;
- Develop 90% design drawings, specifications, and construction cost estimate;
- Develop 100% design drawings, specifications, and construction cost estimate; and
- Develop bid documents.

This design work is scheduled to begin in October 2020 and will be completed in February 2021.

FISCAL IMPACT

Estimated Project Expenditures

The following are the estimated project expenditures:

Professional Services Agreement	\$157,223
Contingency (15%)	\$23,600
Contract Administration	\$11,800
Total	\$193,000

Funding Availability

There are adequate funds available in the Sewer Capital Improvement Program to complete the project.

Exhibits:

- Resolution
- Professional Services Agreement
- Project Location Map