



# AGENDA REPORT

## Public Works

<b>DATE:</b>	July 26, 2022
<b>TO:</b>	Mayor Butt and Members of the City Council
<b>FROM:</b>	Joe Leach, Public Works Director Mary Phelps, Project Manager
<b>Subject:</b>	Phase I of the Keller Beach Sanitary Sewer Feasibility Study
<b>FINANCIAL IMPACT:</b>	The study is funded from the FY 2022-2023 Wastewater Enterprise Funds (40322931-400733- 01C08).
<b>PREVIOUS COUNCIL ACTION:</b>	January 18, 2022, City Council adopted Resolution 8-22
<b>STATEMENT OF THE ISSUE:</b>	In January 2022, the City completed the closed-circuit televising (CCTV) of the Keller Beach sanitary sewer line. The Baykeeper Settlement Agreement requires the City of Richmond to conduct a Feasibility Study to determine the best solution regarding the replacement, relocation, or rehabilitation of the Keller Beach Sanitary Sewer Line. This contract will address Phase I of the study.
<b>RECOMMENDED ACTION:</b>	ADOPT a resolution approving a sole-source contract with Coastland Engineering to conduct Phase I of the Keller Beach Sanitary Sewer Line Feasibility Study, in a total amount not to exceed \$475,000, with a term beginning July 1, 2022, and ending June 30, 2023 – Public Works, Water Resource Recovery (Joe Leach 620-5478 /Mary Phelps 621-1269).

### DISCUSSION:

In 2018, the City of Richmond (“City”) entered into a second settlement agreement with San Francisco Baykeeper (“Baykeeper”) because the City was unable to meet the terms of the 2016 City-Baykeeper Settlement Agreement involving significant sanitary sewer

overflows during wet, rainy weather due to the City's sanitary-sewer collection system's conditions. Under the second settlement agreement in 2018, the City agreed to improve its sewer collection system. Additionally, Baykeeper requested performance of a feasibility study to determine the condition of the Keller Beach Sewer Trunk line given its sensitive location along the Point Richmond shoreline.

On January 18, 2022, City Council adopted Resolution 8-22 accepting the Keller Beach Assessment Study, which allowed for the Keller Beach Sanitary Sewer Moratorium to be adopted.

The existing Keller Beach sanitary sewer interceptor pipeline, which serves the Point Richmond community, is located in the tidal zone of San Francisco Bay between the Keller Beach pump station and the Chevron wharf.

The City has determined that the 63-year-old pipeline is in poor condition and cannot be maintained in its current location due to inadequate access, pipeline structural defects, and the unlikelihood of obtaining the necessary environmental permits to repair or replace the pipeline in place. The City has, therefore, elected to replace the Keller Beach sanitary sewer in the public right-of-way in the streets of Point Richmond. Until the sanitary sewer is replaced, the City is under a temporary moratorium for new sewer connections to the Keller Beach sanitary sewer.

The most favorable location for a replacement sanitary sewer, due to site topography and the location of the existing sanitary sewer collection system, is in the corridor along Ocean Avenue, Grandview Court, Western Drive, and Cypress Point Road.

The new sanitary sewer pipeline is anticipated to be a combination of pump stations, force main and gravity sewer pipelines, approximately 5,800 feet in length, that will connect the existing sanitary sewer collection system to the Keller Beach pump station located near Dornan Drive. Construction methods for new and upsized sewer mains may include traditional open-cut construction, pipe-bursting, pipe-reaming, and horizontal directional drilling.

Potential project constraints include topography, the location of existing utilities, public right-of-way and utility easements, geotechnical conditions, and environmental permitting requirements. These constraints will need to be explored through surveys, studies, and investigations. Subsequently, preliminary alternatives for constructing a new sanitary sewer main in the proposed corridor will be developed in consideration of these site constraints but will be limited to the available information. These alternatives will be quantitatively and qualitatively compared to identify the most feasible solutions. It is anticipated that additional detailed investigations will be needed in the next phase to further define the most feasible alternatives.

Although service to the majority of the properties served by the Keller Beach sewer will be unaffected by the new pipeline's location, the need for sewer lateral improvements on private property are anticipated for some cliffside homes with low finished floor elevations relative to the street. The feasibility of constructing these private property improvements must also be evaluated.

A brief outline of the Study is presented below. Please see the Scope of Work in the attached contract for more details of each task listed.

- Task 1 – Meetings, Schedules, and Project Management

- Task 2 – Background Information and Utility Research
- Task 3 – Public Outreach
- Task 4 – Topographic Survey and Base Map Preparation
- Task 5 – Geotechnical Investigation
- Task 6 – Environmental Compliance and Permit Scoping
- Task 7 – Sanitary Sewer Main Feasibility
- Task 8 – Private Sewer Lateral Feasibility
- Task 9 – Funding Options

Additional progress meetings with City staff will be conducted monthly or as needed to review submittals. Coastland Engineers will also make presentations at up to three (3) City Council meetings.

Public Works staff is requesting City Council adopt the resolution authorizing a contract with Coastland Engineering to complete the Keller Beach Feasibility Study in an amount not to exceed \$475,000.

**DOCUMENTS ATTACHED:**

- Attachment 1 – Resolution to authorize sole-source contract with Coastland Engineering to conduct a Feasibility Study of the Keller Beach Sanitary Sewer Line.
- Attachment 2 – Coastland Engineering Contract
- Attachment 3 – Resolution 8-22
- Attachment 4 – Sole Source Finance Approved - Coastland Contract