



AGENDA REPORT

Public Works

DATE:	January 18, 2022
TO:	Mayor Butt and Members of the City Council
FROM: <i>(List all relevant/responsive staff persons)</i>	Joe Leach, P.E., Public Works Director Yader Bermudez, P.E., Retired Annuitant
Subject: <i>(This will appear on the agenda)</i>	Keller Beach sewer line closed-circuit television evaluation
FINANCIAL IMPACT:	Currently, there is no financial impact.
PREVIOUS COUNCIL ACTION: <i>(List all dates items were heard or council action took place)</i>	None
STATEMENT OF THE ISSUE:	One of the City's obligations under the City-Baykeeper Settlement Agreement is to determine the condition of the Keller Beach Sewer Trunk Line. The City allocated budget to conduct closed circuit television analysis of the sewer line to ascertain its current condition and the CCTV work is complete.
RECOMMENDED ACTION: <i>(This will appear on the agenda)</i>	ADOPT a resolution to ACCEPT the Keller Beach Sanitary Sewer CCTV Review and Assessment Report by NCE-Coastland dated January 3, 2022 – Public Works Department (Joe Leach 510-620-5478).

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 because of 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.

Thereafter, the City commissioned Express Sewer to clean the Keller Beach Sewer Line and inspect the line via CCTV. To perform a complete assessment of the sewer line, the City contracted with NCE and Coastland who evaluated CCTV data submitted by Express Sewer and created a report of findings (“Report”). That Report is attached for Council’s approval (Attachment 2).

The City requests that Council approve the resolution to accept the Report so the City can proceed with a complete study regarding the two (2) options suggested in the study, which are:

1. Repair of the Existing Sewer Main with Cast In Place Pipe (CIPP)

The drawbacks of the CIPP liner option are that the repair:

- Does not provide full new construction design life to the sewer main facilities;
- Does not correct sags, and the pipe profile will continue to adjust and degrade;
- Does not address the poor maintenance access; and,
- Does not address the high-risk and cost of sanitary sewer overflows into the Bay in the event of a pipe break.

2. Replacement of the Keller Beach Sewer in a New Location

The drawbacks of the sanitary sewer main relocation options are that it:

- Is an extremely costly project;
- Would take years to implement; and,
- Would need numerous homeowners’ participation(s).

Both options are very costly and would take a significant time to implement. However, given the current, compromised condition of the Keller Beach sewer line, the City will be forced to decide sooner rather than later.

This Report serves as the qualitative basis for the Point Richmond Sewer Emergency Moratorium, which is a separate action being presented to the Council.

DOCUMENTS ATTACHED:

Attachment 1 – Resolution to Accept Keller Beach Report by NCE-Coastland

Attachment 2 – Keller Beach Sanitary Sewer CCTV Review and Assessment Report by
NCE-Coastland Engineers dated January 3, 2022