



STAFF REPORT

To: Honorable Mayor and Members of Town Council

Through: David L. Corliss, Town Manager

From: Mark Marlowe, P.E., Director of Castle Rock Water
Shawn Griffith, Assistant Director Operations
John Chrestensen, Operations Manager

Title: **A Resolution Approving a Variance Pursuant to Chapter 9.16.070.E of the Castle Rock Municipal Code for Nighttime Construction Activities Related to the Acoustic Sewer Main Survey Project** *[Located downtown in the Wilcox and Perry area and the Wolfensberger Rd. area.]*

Executive Summary

Castle Rock Water staff requests Town Council approval of a Resolution (**Attachment A**) for variance to allow DRC Construction Services, Inc. to perform an acoustic sewer line assessment between 7:00 pm and 7:00 am for two nights in December or January. The Town's municipal code for noise control prohibits construction noise between the hours of 7:00 pm and 7:00 am on weeknights and between 6:00 pm and 8:00 am on weekends (Chapter 9.16). DRC Construction is under contract for the 2023 acoustic sewer line assessment program (SL-RAT) which provides a rapid and accurate assessment of the sewer system. The current scope of work includes assessing the Downtown and Wolfensberger Road areas (see **Attachment C**). The night work will allow DRC Construction Services, Inc. to access sewer manholes that may not be accessible during the day, due to heavy traffic loads and parking. The work will have minimal impact on traffic and will not impact customers' or businesses' sewer services. Given the short duration of the planned night work (no more than two nights), and the limited affected area, staff requests Town Council approval for night work for two nights, to be scheduled in December or January. A time range for authorization is requested to accommodate any potential weather delays.

Notification and Outreach Efforts

While there will be little to no impact on our customers, public outreach will be done. Notification will be sent to the residents in the Downtown and Wolfensberger Rd. areas notifying them of the upcoming work.

History of Past Town Council, Boards & Commissions, or Other Discussions

On May 3, 2022, Castle Rock Water Commission voted unanimously to recommend Town Council approval of a services agreement, in the amount of \$354,120.00 with DRC Construction Services, Inc., to complete a Town-wide sewer main assessment survey.

On September 25, 2023, Castle Rock's Town Manager approved a services agreement, in the amount of \$199,209.00 with DRC Construction Services, Inc., to complete a Town-wide sewer main assessment survey on 50 percent of the sewer system, (see ***Attachment B***).

Discussion

Castle Rock Water's Operations Field Service's Collection team is responsible for inspecting and maintaining over 309 miles of sewer main and associated manholes. Maintenance goals for this team include utilizing the SL-RAT to inspect roughly 50% of the Collection annually. The Collections team then schedules cleaning (jetting) tasks for any line that gets a score of 6 or lower, prioritizing the lines with the lowest scores. In addition, there is a maintenance goal of closed-circuit television (CCTV) inspecting 62 miles of main, which comprises 20% of the collections system each year. These goals correspond to the United States Environmental Protection Agency (USEPA) Capacity Management Operation and Maintenance Programs for Sanitary Sewer Collection Systems (CMOM).

DRC Construction Services, Inc. utilizes RH Borden's condition-based system of acoustic assessments to identify sewer system problems. The Sewer Line Rapid Assessment Tool (SL-RAT) utilizes a transmitter and a receiver, each inserted in consecutive manholes. The transmitter sends a tone down the pipe and the receiver analyzes the tones for degradation. Based on the quality of the sound, each pipe segment is given a blockage score of 1 to 10. Pipe segments scoring a 6 or above are flowing freely. Lower scores identify potential problems in the system, which can then be scheduled for maintenance.

Budget Impact

There is no additional impact on the project cost for this work.

Staff Recommendation

Staff requests Town Council approval of a resolution permitting relief from the Town Noise ordinance, allowing work overnight for the Acoustic Sewer Main Survey for two nights in December or January.

Proposed Motion

"I move to approve the Resolution as introduced by title."

Alternative Motions

"I move to approve the resolution as introduced by title, with the following conditions: (list conditions)."

"I move to continue this item to the Town Council meeting on _____ date to allow additional time to (list information needed)."

Attachments

Attachment A:	Resolution
Attachment B:	Agreement
Attachment C:	Location Map