

CASTLE ROCK WATER

**RESOLUTION APPROVING A SOLE SOURCE  
SERVICE AGREEMENT BETWEEN THE TOWN  
AND DRC CONSTRUCTION, INC. FOR THE  
CASTLE ROCK WATER ACOUSTIC SEWER  
LINE ASSESSMENT PROGRAM**

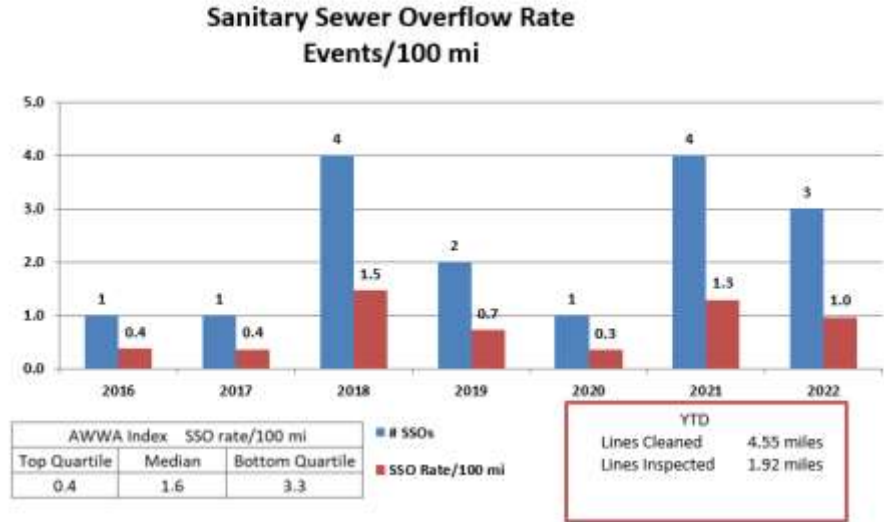
MAY 3, 2022



# ACOUSTIC SEWER LINE ASSESSMENT PROGRAM

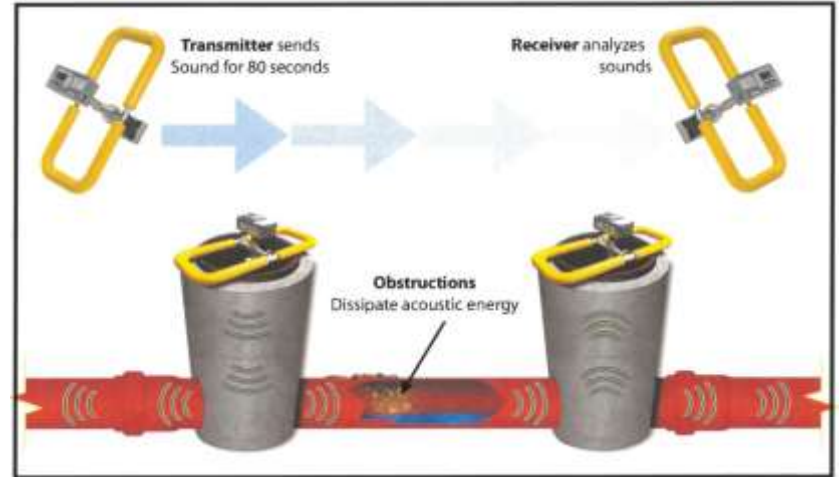
## BACKGROUND

- Castle Rock Sewer System
- Key Performance Indicator
  - Sanitary Sewer Overflows
- Capacity Management Operations and Maintenance
- Castle Rock maintenance goals
- Staffing shortages since 2020
- Annual cost



# ACOUSTIC SEWER LINE ASSESSMENT PROGRAM TECHNOLOGY

- Transmitter and Receivers inserted in manholes
- Tones transmitted
- Blockage scores assigned
- Data assessment uploaded daily



Sewer Line Assessment Process

# ACOUSTIC SEWER LINE ASSESSMENT PROGRAM

## BENEFITS

- Entire Sewer System Surveyed
- Assessment identifies problem areas
- Sewer line issue prevention
- Efficient maintenance



Sewer Line Clogged with Fats, Oils & Grease (FOG)



Sewer Line Clogged with Tree Roots

# ACOUSTIC SEWER LINE ASSESSMENT PROGRAM

## PROGRAM OVERVIEW

- Total cost - \$354,120
- Completion time – 80 Days
- Sole Source contract - DRC
- Baseline sewer system assessment
  - Sewer Lines
  - Manholes



# ACOUSTIC SEWER LINE ASSESSMENT PROGRAM

## RECOMMENDATIONS

- Staff
- Castle Rock Water Commission
  
- **Questions?**





I MOVE TO APPROVE RESOLUTION NO. 2022-050  
AS INTRODUCED BY TITLE

*ALTERNATE MOTIONS*

I MOVE TO APPROVE THE RESOLUTION AS INTRODUCED BY TITLE,  
WITH THE FOLLOWING CONDITIONS: \_\_\_\_\_

I MOVE TO CONTINUE THIS ITEM TO THE TOWN COUNCIL MEETING  
ON \_\_\_\_ DATE TO ALLOW ADDITIONAL TIME TO: \_\_\_\_\_