

CASTLE ROCK WATER

**RESOLUTION APPROVING A  
CONSTRUCTION CONTRACT WITH  
INSITUFORM TECHNOLOGIES, LLC FOR  
THE 2019 CURED-IN-PLACE PIPE SEWER  
PROJECT**

DECEMBER 17, 2019



# 2019 TOCR CIPP PROJECT

## PROJECT BACKGROUND

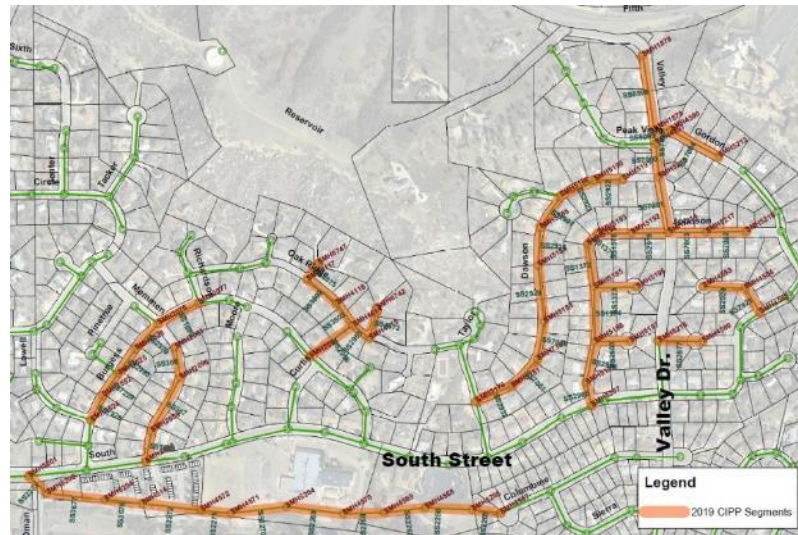
- 270+ miles of wastewater collection pipes
- Some built before 1940
- Deteriorating pipes = higher life cycle costs
- Annual Sewer Pipe Rehabilitation Program budgets \$350,000
- 2019 focus on 17+ miles of clay pipe in system



# 2019 TOCR CIPP PROJECT

## PROJECT OVERVIEW

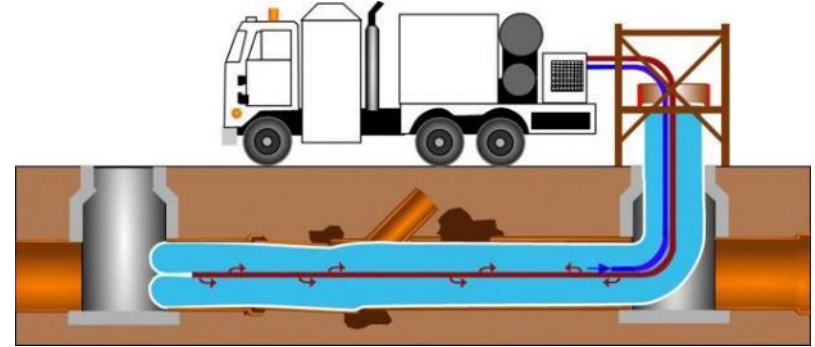
- Young American neighborhood
- 2+ miles of 8" clay pipe built in 1970's
- History of leaking joints, cracked pipes, root intrusion, and increased maintenance



# 2019 TOCR CIPP PROJECT

## PROJECT APPROACH

- Cured-In-Place Pipe (CIPP) Rehabilitation
- Trenchless pipe lining method
- Fully structural pipe within existing pipe
  - Reduces infiltration and roots
  - Mitigates structural damage
  - 50-75 year lifespan
- Patented in 1970's by Insituform Technologies
- Town has lined 7 miles of clay pipe with CIPP



Flexible Liner



Finished Pipe

# 2019 TOCR CIPP PROJECT

## PROJECT CONTRACTING

- Public invitation to bid on Rocky Mt. E-Purchasing System – November 2019
- 2 Bid Proposals Received;

Engineer's Estimate	\$357,297.80
Insituform Tech, LLC.	\$300,962.60
Granite Inliner, LLC.	\$362,791.00

- Construction completion anticipated April 2020

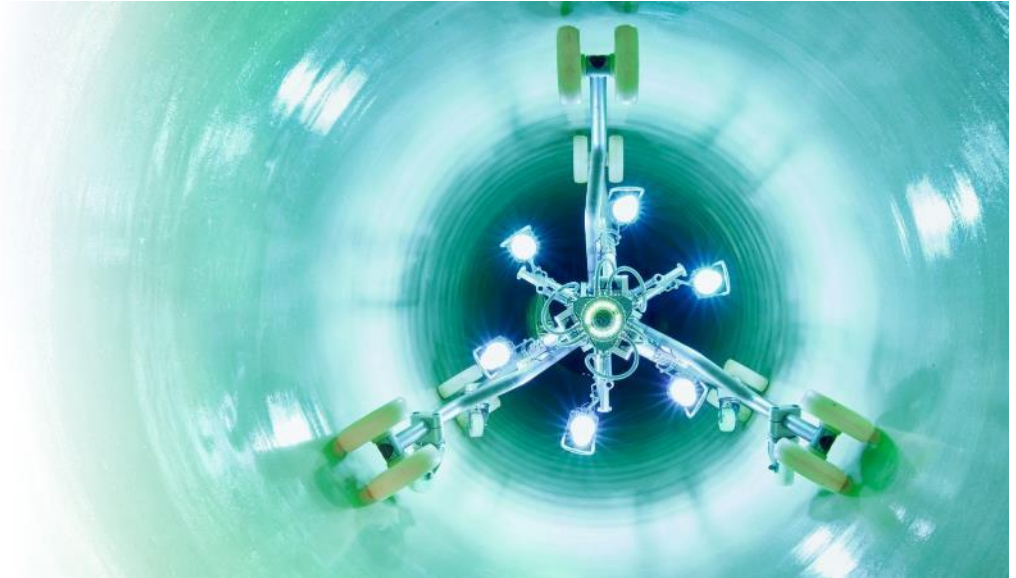


# 2019 TOCR CIPP PROJECT

## RECOMMENDATIONS

- Castle Rock Water Commission
- Staff

Questions?





# THANK YOU

Recommended Motion: *"I move to approve Resolution 2019-129 as introduced by title"*