

# Sewer Interceptors Project: Why We Need This Project



## AGE

- The Brushy Creek and **18-Mile Creek interceptors** were built no later than 1959 (potentially earlier). This makes the lines at least 67 years old.
- Vitrified Clay has lifespan of 50 years. 60 years with good installation.



## TECHNOLOGY

### EXISTING

- The existing sewer was constructed with vitrified clay and cast iron sewer mains.
- Manholes are brick.

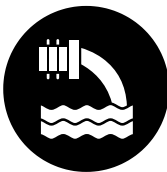
### PROPOSED

- **PVC gravity sewer or epoxy lined ductile iron pipe.**
- **Precast manholes.**



## INFLOW & INFILTRATION

- Larger diameter pipe provides increased capacity for wet weather events
- Replacing old clay pipe reduces opportunities for I&I by repairing cracks and leaking joints.
- Reduced likelihood that Brushy Creek, **18-Mile Creek**, and Middle Branch Influent **pump station** will become overwhelmed during storms.
- Reduced I&I lowers the cost of pumping and treatment.



## ENVIRONMENTAL PROTECTION

- Reduction of leaking joints decreases I&I and reduces risk of sanitary sewer overflows (SSOs).
- Reduces risk of exfiltration from cracks in pipes.
- Ensures wastewater reaches WWTP for treatment.
- Larger diameter reduces risk of clogging.

