

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.

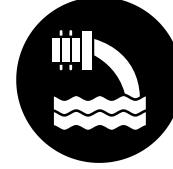
PROPOSED

- 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.