

Old Loosahatchie Sanitary Sewer Interceptor Diversion Memphis, Tennessee



FISHER ARNOLD

PROJECT EXPERIENCE

Fisher Arnold was engaged by Black & Veatch through the City of Memphis' SARP10 Program to design a diversion sewer interceptor linking the "old" Loosahatchie interceptor pipe with the "new" Loosahatchie interceptor. The old interceptor was deteriorating and failures were common. Ultimately, the older sections were abandoned and no longer generate sanitary sewer overflows. Alleviating these SSO's is the primary goal of the SARP10 Program.

Completed in 2021, the project included roughly 10,800 linear feet of 54" sewer pipe. There were several design challenges to overcome including difficult tie-in points at the upstream and downstream ends of the job, environmental permitting, a three-barrel siphon under the Loosahatchie River, a detailed cost estimate, and low terrain subject to flooding.

