


Brandt Wastewater Collection and Treatment Preliminary Engineering Report

SECTION ONE PROJECT BACKGROUND

Currently, the unincorporated village of Brandt, located in Bethel Township in Miami County has no central sewer service. Approximately 74 homes and 13 businesses in Brandt utilize on-site wastewater treatment that is regulated by the Miami County Health Department for homes and Ohio EPA for businesses and institutions. Most of the sewage systems were constructed prior to many of the modern rules for wastewater disposal that exist today and most of the systems do not meet current Health Department or Ohio EPA requirements. Replacing the antiquated systems in most cases is not a feasible option since most of the lot sizes are not large enough to allow for modern on-site wastewater disposal systems. In 2001, the Miami County Sanitary Engineering Department extended water lines to the Village of Brandt so public water is available to all residents of Brandt whether or not they have yet connected to public water or are still utilizing private wells.

 The Miami County Sanitary Engineering Department (MCSE) has determined that it is necessary to remedy the environmental hazards of the failed and inadequate on-site wastewater systems by installing centralized sewage collection and treatment by the most appropriate method suitable to the community. LJB Inc. was hired to evaluate the collection and treatment options and prepare a Preliminary Engineering Report covering this evaluation of installing a centralized sewer system and a wastewater treatment plant including preliminary cost estimates for the recommended alternatives.

In early, 2007, MCSE conducted sampling of Brandt's storm sewer. The water that was collected from the storm sewers was heavily contaminated with fecal coliform, E Coli, total nitrogen, and BOD, which demonstrated the fact that untreated waste was polluting the storm sewers and the creek. A copy of that storm sampling report is included in Appendix A.