Castleton Relief Sewer Project - Phase 1  
Indianapolis, IN

PROJECT OVERVIEW AND CHALLENGES

Bradshaw Construction installed 2,740' of 42" reinforced concrete pipe for a relief sanitary sewer by microtunneling through sand with cobbles and boulders below the groundwater table at an average depth of 20'. The microtunneling was accomplished in four drives, the longest of which was 810'. Six access shafts were constructed using steel ribs and liner plates (16' and 20' in diameter) and steel sheet piling (16' and 20' square). Six precast concrete manholes were installed up to 96" in diameter.