



Case Study Category: MPWW

Case Study Title: SewerCAD Model for Capacity Assessment at Town of Blacksburg (TB)

Utility Name: Town of Blacksburg

Case Study Abstract: This case study introduces the SewerCAD® model that Town of Blacksburg uses for capacity assessment of the wastewater system. Through the capacity assessment, the locations of overflows and surcharging are determined which can provide a reference for Town of Blacksburg to know if the growth of some particular area will overtax the downstream wastewater collection system. The accuracy of this sewer model is checked via 15 metering manholes. This model is a static model which considers the wastewater lines, manholes, pumps, wet wells, and pressure junctions. This model runs under two different types of loading, dry weather and wet weather loading. SewerCAD® model can set up different run scenarios with unique alternatives, which can allow each of the growth scenarios to be added to a single SewerCAD® model if the physical properties are identical.

Case Study Link: <http://waterid.org/content/metropolitan-water-reclamation-district-greater-chicago>