

Bennett Area Sanitary & Storm Sewer System Evaluation

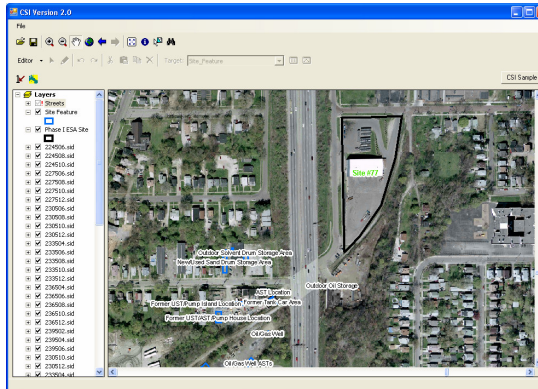
Toledo, Ohio

URS was selected to conduct a sanitary and storm sewer investigation in a large sub-basin of the sewer collection system. The project included flow monitoring, sewer cleaning and inspection, smoke testing, dye testing and structure inspection for over 400,000 linear feet of sewer.

Field findings from the testing resulted in making recommendations to remove inflow and infiltration sources, line and grout sanitary sewers and separate several combined sewers.



The project also included developing a custom field data collection application. The application addressed the field crews' need to manage large volumes of data, photographs and sketches generated during monitoring, inspections and testing. The application also provided an enhanced level of data quality and integrity when compared with paper based collection methods.



The City's existing sewer mapping was utilized during the structural inspections to determine the accuracy of existing data by field verification methods. Field survey crews could update, edit and add information directly. The GIS deliverable of field collected data to the City of Toledo was presented as a geodatabase for inclusion into the City's existing sanitary sewer GIS.

