

Name of Project: **East Grand Rapids Sanitary Sewer Infiltration Study**

Owner: City of East Grand Rapids

Contact Person Names/Phones: Mr. Ken Feldt, P.E., City Services Director
(616) 940-4817

Location of Project: City of East Grand Rapids, Kent County, Michigan

Date Started/Completed: 04/01/08 – 01/16/09

Dollar Value: N/A – engineering fees only

Project Team: Joe Camp, P.E., Principal in Charge
Brian Hannon, E.I.T, Project Engineer

Project Description:

Contracted by the City of East Grand Rapids to provide engineering services to conduct an infiltration study on the sanitary sewer system located on the North Shore Area of Reeds Lake. The area included over 20,000 ft of sewer piping, and over 110 manholes. The purpose of the study was to determine the amount and location of groundwater infiltration into the sewer system, and provide recommendations on which sewers and manholes would require repair. The study included placing flow monitors in they system to evaluate flows during wet and dry weather, as well as visual inspection of manholes, and televising of selected sewer piping. Results of the study confirmed that there were several areas where as much as 32 million gallons per year of excess groundwater infiltration was entering the system. Recommendations were made as to which sewers to rehabilitate, and proposals were made as to the most cost effective way to repair each line.

