

RELATED EXPERIENCE

EGELSTON TOWNSHIP APPLE AVENUE SANITARY SEWER EXTENSION

Johnson & Anderson was selected by Egelston Township to perform planning, design and construction engineering services on the installation of a sanitary sewer extension along Apple Avenue. J&A services included master planning, design engineering, permitting, and construction engineering. This project consisted of approximately 2,050 L.F. of 21-inch sanitary sewer, 2,540 L.F. of 18-inch sanitary sewer, and 300 L.F. of 12-inch sanitary sewer, a metering station and abandonment of a pump station.

Location:	Egelston Township Muskegon County, MI
Construction Date:	Winter 2006
Construction Cost:	\$755,000
Client:	Egelston Township
Contact:	Ms. Vicky Jensen (231) 788-2308

Construction occurred over the winter of 2006-2007 in the north right of way of Apple Avenue. Two bore and jacks were installed under the highway to serve the south side of Apple Avenue in the future.

Through our investigations and planning it was shown that the Carr Road Pumping station could be eliminated and this portion of the service area served by gravity. The Carr Road pump station had been a very problematic station with a high degree of maintenance. Flow from this area was metered through a parshall flume type metering station near the Township border.

Our project team handled all aspects of construction engineering to include: topographic mapping, construction staking of the sanitary sewer, documentation of all sewer related quantities, coordination with the material testing sub-consultant, resolution of citizen complaints, utility coordination with the various utilities encountered during construction, attending a pre-construction meeting, documentation of project record quantities and development of contract punch lists. A very important component of J&A's service during construction was the handling and resolution of citizen complaints during the construction. All complaints were logged in and addressed in a timely manner.