

## **Sanitary Sewer System**

The Village of Pepin maintains a waste water collection and treatment plant serving the entire village. The collection system consists of an all-gravity sewer, with pipes ranging in size from 8" to 10" mainline, and 4" for laterals. This system was installed in 1948 and with additions, is approximately 7.5 miles in length. The original sewer pipe is vitrified clay tile manufactured by Red Wing Pottery Company, with all revisions being 8" PVC pipe. The present system consists of 18% PVC pipe and 82% clay pipe with 105 concrete manholes.

The piping system is in reasonably good condition and has been well maintained. Mainline pipes are rodded and flushed yearly to remove roots and foreign materials. Soil conditions in the village consist totally of clean granular sand which is excellent material for pipe bedding and reduction of surface water infiltration. The piping system is in good working condition and with proper maintenance, should serve the village well into the future.

The village has room to expand to the east, west, or north within the village limits or with annexation in these directions. Expansion of the system in any of these directions will not create any major engineering problems.

Village growth has been 4.3% since 1950 and 0.6% since 1990. With no drastic growth expected, the system will be adequate to carry generated sewage volumes well into the future.

Don Ingalls  
10/19/07