



## Missaukee County Sanitary Drain No. 1

*Challenge: Service the City of Lake City, a county park, and lake front properties along the north shore of Lake Missaukee and developed areas located north and west of Lake City.*

- services the City of Lake City, and parts of Caldwell and Lake Townships
- original design created for a population of 3,500 with a design flow of 245,000 gallons per day
- treatment facility expanded to a population of 4,600 in 1994 with a design flow of 320,000 gallons per day
- conventional gravity collection system with lift stations
- approximately 360 STEP units added in two separate extensions (these service the north side of Lake Missaukee)
- originally a three-cell aerated lagoon treatment facility with spray irrigation at agronomic rates for disposal
- all cells are five acres in size with 10 feet of operating range
- total storage capacity of about 60 million gallons
- Missaukee County, MI