

# WILKES AVENUE RESERVOIR

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City of Winnipeg

Winnipeg, Manitoba



## Project Description

In 1994, KGS Group was retained by the City of Winnipeg to design a 120 Million litre potable water storage reservoir to service the southwest sector of Winnipeg. The \$12,000,000 project included a reinforced concrete containment structure with a pre-cast concrete roof structure, entrance/maintenance building, interconnecting pipelines to adjacent cells, washdown piping system and control valve modifications. The inlet distribution piping and interconnecting pipes flow conditions were modeled by computer analysis to determine operating modes which would minimize typical water quality problems related to poor flow distribution in large reservoirs.

In addition to the detailed design, KGS Group provided full-time construction management for the 15 month construction schedule. The project was completed on schedule and under budget.