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Mimico and New Toronto Joint Sewerage System

Details of a Combined Sewerage System Which Serves Two Progressive Municipalities—Basis of Agreement—Brushwood Used as Filtering Media—Description of Pumping Equipment and Sewage Filtering Apparatus

By T. LOWES

THE completion of a joint sewerage system for the adjoining towns of Mimico and New Toronto marks an important event in the history of these progressive municipalities.

Situated about three miles west of the Toronto city limits, with excellent railway facilities, good electric car service, and with the Toronto to Hamilton new highway running through both towns, they are fast becoming popular; Mimico for residential and New Toronto for factory purposes.

In 1912 the council of the corporation of Mimico felt the need of a sewerage system and had a report made. No further action, however, was taken until 1915, when it was decided to proceed with the nucleus of a sewerage and also a water supply system, which included the construction of a sewage pumping station, sewage treatment plant, force main and main trunk sewers, also waterworks pumping station, intake pipe, pump wells, filters and water supply mains. The estimated cost of these works was \$130,000.

At this time, however, the adjoining town of New Toronto was installing a water supply system, the need of which was being greatly felt, owing to the number of new factories locating there and the subsequent increase in population. A new sewerage system was also being discussed; although there was an existing sewage plant and a number of small diameter sewers, these were not

adequate to take care of the increasing needs of the town.

Negotiations were opened between the two corporations and at a special meeting held in Mimico the writer was asked to report as to whether it was feasible and economical for the town of Mimico to obtain a good and sufficient water supply from the system being installed by the town of New Toronto; also, whether the sewage from New Toronto could be taken care of by the system proposed to be constructed by Mimico.

The report was in favor of both projects. Generally speaking, it meant the saving in cost of a waterworks pumping station, intake pipe, etc., and the overhead charges on a plant of this character to the town of Mimico; and a large saving in the cost of a separate sewage pumping station, sewage treatment works, etc., to the town of New Toronto. It was estimated that by these municipalities joining up on these public works a saving of about \$80,000 could be accomplished.

Agreements were prepared and executed on the following basis:—

No. 1, re Water Supply.—That the corporation of New Toronto deliver water at the boundary line of the two municipalities

on Struthers Street, provided that the corporation of Mimico supply a suitable meter at the point of delivery for the measuring of said water. The corporation of Mimico to pay eight cents per thousand gallons for the

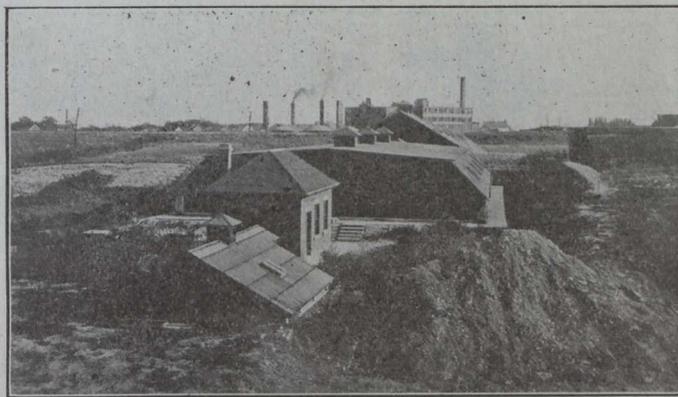


Fig. 1.—General Layout of Sewage Treatment Plant

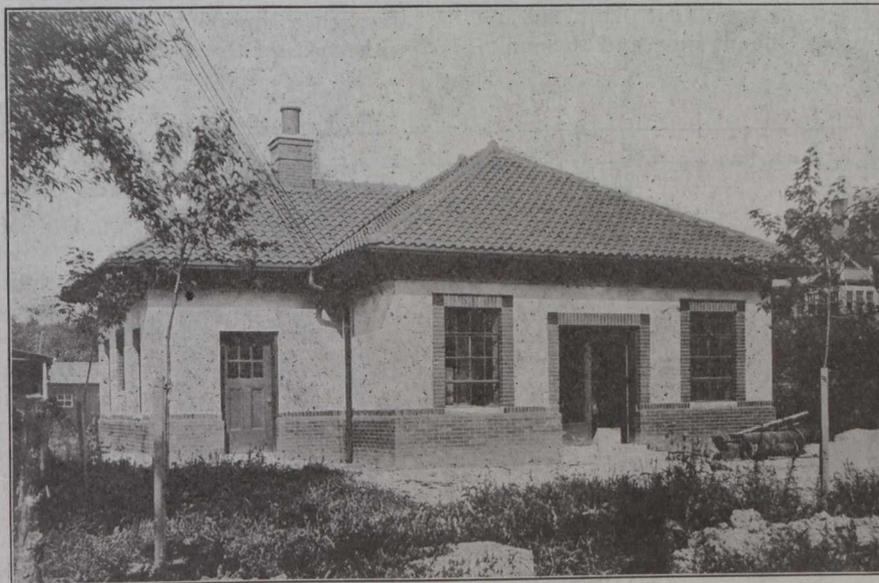


Fig. 2.—View of Pump House