

While engaged in a bit of research work regarding the history of the Lindsay Waterworks System it is interesting to note that Willis Chipman, Civil and Sanitary Engineer, Toronto submitted a detailed survey and plan of the area to the Town of Lindsay in August, 1893. The Toronto Engineer was assisted in his Topographical Survey of the Town by F. L. Somerville, Esq., C. E., of Lindsay. Extracts from the report follow:

Lindsay is situated on the Scugog River, the largest tributary of the Trent from the south. This river is the outlet of Scugog Lake, with an area of about 15 square miles, and discharges into Sturgeon Lake, with an area of 14 square miles. At Lindsay there is one lock, with a lift of about 5 feet, which permits vessels of 130 feet in length and 30 feet beam to pass from lake to lake.

At the outlet of Sturgeon Lake, and 18 miles below Lindsay, is the town of Bobcaygeon, where the Dominion Government has a lock, and a dam raises the water in the lake 4 feet, flooding a large tract of land along the Scugog below Lindsay. The total area of flooded or drowned land is, approximately 2,000 acres.

The total drainage area of the Scugog above Lindsay is, approximately, 383 square miles. The minimum discharge of the river below the lock at Lindsay is, approximately 6,000 cubic feet per minute, the average being about 23,000 cubic feet per minute. Between Lindsay and Sturgeon Lake there is neither town nor village to make complaint against discharging sewage into the river.

The largest sewer outlet will be at Francis Street. If in time the discharge at this point becomes objectionable, an intercepting sewer can be constructed along the bank of the river to the north boundary of the town, and the sewage purified before being discharged into the river, four drainage areas, The Northwest area, the Brewery Creek area, Lindsay Street area, the Milpond area. Population in 1893 was 6,500 and expected population in 1913, 15,000. At the end of 20 years it is not probable that more than 50% of the population will be connected with the Sewer System, but the system I have designed will serve a population of 20,000.



(Detailed information was was printed regarding the plan for sewage and drainage particularly from the Western section of the Town and including Brewery Creek which apparently was named after Cornell Brewery which was located on William Street north, north of the old Horn Mill, Much data was given regarding the Lindsay Street Creek.)

The report continues: In the year 1873 the Corporation constructed a trunk sewer on Lindsay street from the river to Kent Street, thence along Kent Street to a point about 200 feet east from Cambridge. The cost was about \$5,600. This sewer was approximately 2½ x 2½ feet. Hydraulic mortar was used in the lower part of the work, and ordinary lime mortar in the upper portion. This large sewer was constructed as a main trunk sewer for the business street, to convey not only storm water but sewage to the river. Connections from closets are now prohibited, as it was found that the sewage decomposed in the sewer.

I propose to construct a main sewer from the river at Francis street westerly to William, thence southerly along William to Wellington, thence westerly along Wellington to Cambridge, thence southerly along Cambridge to Kent, thence westerly along Kent to Sussex street. Estimated cost of complete sewage system, \$56,000. I recommend a frontage rate of 60c per lineal foot of land abutting any street where a sewer is constructed, a reasonable allowance being made for corner lots. No property should be exempt.