acres which it is estimated will give sufficient storage (with the natural flow of the creek during dry periods in summer or winter) to maintain a supply of about 185 cubic feet per second, or an amount sufficient to cover all of the water records granted by the Government on this creek.

In addition to its value as a storage reservoir, this large flooded area will form a settling basin that will greatly improve the water during the heavy freshets which occur once or twice each year, (extending over a period of three or four days), when the water becomes turbid, and in addition to this will also overcome the winter trouble which sometimes exists, owing to the accumulation of anchor ice and snow at the intakes.

The surveyed pipe line from the old intake up to the waterfall, a distance of four miles, extends along the westerly side of the creek and with the exception of about 500 feet of sliding bank, offers no difficulties in construction.

The difficulty of the bank referred to can be overcome by either tunnelling under or cribbing around it.

The survey of the contour line around the flooded area above the proposed dam at the waterfall, was run at an elevation of 677 feet above sea level, and extends upstream from the falls for a distance of about 4 miles.

All of the necessary land and right-of-way plans have been prepared, so that the city is now in a position to go ahead and acquire all the necessary land for this very important extension to our water works system.

HASTINGS RESERVOIR

The City Council a few years ago purchased ten acres of ground, known as the Hastings Reservoir Site. This land lies at an elevation of 340 feet above sea level, and is distant about one-third of a mile south of the Second Narrows, and one-eighth of a mile east of the east boundary of the city.

The site is an ideal one for the construction of a distributing reservoir for the business sections of the city, and it is proposed to construct a 20,000,000 gallon reservoir here when the expansion of the city demands that this work shall be gone ahead with.

It will be connected with the old Seymour Creek supply main, by extending a 30-inch pipe from the crossing at the Second Narrows, a distance of only about 1,800 feet, provision being made in the construction of the old main for this connection.

It is proposed to regulate the pressure throughout the business sections and lower residential levels from this reservoir which should maintain a pressure about ten pounds above the present average at the Water Works shops.