

ESTIMATE No. 3.

Filtered Supply from Winnipeg River.

Wood stave pipe, three lines, with capacity of 23,000,000 gallons daily each; one line to be built immediately, the second when the average daily consumption reaches 17,000,000 gallons, and the third when it reaches 33,000,000 gallons.

Each pipe line consists of three sections as follows:

7.3 miles of 45-inch pipe.

5.0 miles of 54-inch pipe.

43.5 miles of 48-inch pipe.

Intake works consist of an 8-foot dam across river, intake pipe, well, screens and gates.

Pumping station at Winnipeg River to be equipped with triple expansion condensing crank-and-fly-wheel steam-pumping engines, boilers, condensers and auxiliary machinery.

Pipe lines to be provided with gate valves, standpipes, air valves, manholes and blow-offs.

Equipment at McPhillips Street station to consist of coagulating basin, rapid filters, filtered water reservoir and high duty pumping engines of the triple expansion, condensing, crank-and-fly-wheel type, to pump the filtered water into the street mains.

COST OF CONSTRUCTION.

Items	For an Average Daily Supply of			
	12,000,000 gallons	24,000,000 gallons	36,000,000 gallons	48,000,000 gallons
Land and right-of-way	\$18,000	\$18,000	\$18,000	\$18,000
Intake works	150,000	150,000	150,000	150,000
Pumping station at Winnipeg River	325,000	465,000	740,000	1,015,000
Pipe lines	1,737,000	3,399,000	5,111,000	5,111,000
Coagulating basins	65,000	65,000	130,000	130,000
Filters	250,000	500,000	750,000	1,000,000
Filtered water reservoir	270,000	270,000	350,000	350,000
Winnipeg pumping station	370,000	645,000	920,000	1,200,000
Keepers' houses	12,000	12,000	12,000	12,000
Telephone lines	11,000	11,000	11,000	11,000
Tramway	150,000	150,000	150,000	150,000
	\$3,358,000	\$5,885,000	\$8,342,000	\$9,147,000
Add 15 %	504,000	853,000	1,251,000	1,372,000
Totals	\$3,862,000	\$6,538,000	\$9,593,000	\$10,519,000