

The most approved method and the safest, is to connect these drains to the rain water pipe system, on the house side of the trap, which must be placed between the rain water leaders and the house drain or sewer. The arrangement will be easily understood by referring to the sketch showing house drainage.

ESTIMATE.

An estimate of cost is submitted in which the several drainage areas are treated separately. I have made it out in a minutely detailed form, unnecessarily so, perhaps, for a report of this nature; by the figures now presented to you, the residents of each street can know what the cost of the sewer on their street will be.

The estimate provides for the following lengths of sewers, complete with manholes, flush tanks, etc.

TO WIT.

4,400	lineal feet	brick sewer	2 ft. 2 ins. by 3 ft. 3 ins.
2,200	"	"	2 ft. 0 in. by 3 ft. 0 ins.
1,770	"	"	1 ft. 6 in. by 2 ft. 3 ins.
1,440	"	18 inch	pipe sewer.
4,000	"	15	" "
11,500	"	12	" "
84,990	"	9	" "
1,650	"	2 ft. and 3 ft.	brick sewer, roof
			water overflow on Townsend street.
360	"	15 inch	pipe, roof water overflow
			on George street at King street.

The total amount of the estimate is \$167,000

All of which is respectfully submitted.

I have the honor to be, gentlemen,

Your obedient servant,

ALAN MACDOUGALL,

M. Can. Soc. C.E. M. Inst. C.E.

TORONTO, *February 15, 1892.*