

The foregoing units are summarized in their average and maximum rates, in Table 3.

Massillon, Ohio

Table 3. Units of Sewage Quantities

Type	Average	Maximum	Ratio
Domestic	40 G.C.D.	65	1.62
Commercial	12,500 G.A.D.	20,000 G.A.D.	1.60
Industrial	6,000 G.A.D.	12,000 G.A.D.	2.00
Infiltration	1,100 G.A.D.	1,100 G.A.D.	2.00

These units applied to the present factors of development give rise to a total flow from the present city of 4.45 M.G.D. This is to be compared with the discharge of 4.65 M.G. recorded above. In terms of present population the units quoted are equivalent to 238 gallons per capita. The discharge from West Street is 195 gallons per capita; that from Erie Street is 435 gallons per capita; the average for both is 250 gallons per capita.

The five percent difference between observed and built up values has been permitted to stand. It is in the direction of the assumed trend of development which calls for an increase in the relative contribution of domestic waste.

Applied to the population and area of future development. The unit rates foregoing determine the total sewage quantities for design.

Table 4: Total Sewage Flow Quantities.
Massillon, Ohio

	Maximum Rate	
Domestic	70,000	Population at 65
Commercial	49	Acres at 20,000 G.A.D.
Industrial	350	Acres at 12,000 G.A.D.
Infiltration	4132	Acres at 1,100 G.A.D.
		4.84

Allowance from Outside Areas

14.27 M.G.D.
4.95
19.22 M.G.D.

The Total of 14.27 M.G.D. is equivalent to 204 gallons per capita daily.

7 G.C.D. = Gallons per capita daily.