

Para 3.2.7 Ground Water Infiltration

Estimate of flow in sanitary sewers may include certain flows due to infiltration of ground water through joints. The quantity will depend on workmanship in laying of sewers and level of the ground water table. Since sewers are designed for peak discharges, allowance for ground water infiltration for the worst condition in the area should be made. Suggested estimates for ground water infiltration for sewers laid below ground water table are as follows:

	Minimum	Maximum
Liters/Ha.d	5,000	3.0
Liters/Km.d	500	2.5
Lpd/manhole	250	2.25

With improved standards of workmanship and quality and availability of various construction aids, these values should tend to the minimum, rather than the maximum. These values should not mean any relaxation on the water tightness test requirements in 7.1.5 (Hydraulic testing of pipe sewers)