



Outfall Manhole

To Existing Manhole

Assume: 225 dia. pipe @ 1: 200
(flow capacity: 34.40 l/sec.)

Residential:

No. of Dwellings 321 dwellings
Usage 150 l/p/day
Persons per Dwelling 2.7 ppl
Unit Consumption Allowance 1.1

Totals:

DWF 143005.5 l/day. 1.66 l/sec
6DWF 858033 l/day. 9.93 l/sec

Commercial

Retail 5 persons
Usage 90 l/p/day
Daily Flow (DWF): 450 l/day.

Café 195 persons
Usage 25 l/p/day
Daily Flow (DWF): 4875 l/day.

Gym 250 persons
Usage 50 l/p/day
Daily Flow (DWF): 12500 l/day.

Creche 60 persons
Usage 90 l/p/day
Daily Flow (DWF): 5400 l/day.

Office 480 persons
Usage 100 l/p/day
Daily Flow (DWF): 48000 l/day.

Totals:

DWF 71225 l/day. 0.82 l/sec.
4.5DWF 320513 l/day. 3.71 l/sec.

Overall Totals

Average 214231 l/day. 2.48 l/sec
Peak 1178546 l/day. 13.64 l/sec