



Project:	Apartment Development at Belgard Road, Dublin 24	Project No.:	18161
Element:	FOUL WATER DRAINAGE	Calc'd:	C.G.
Checked:	G.P.	Date:	17/10/19
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Outfall Manhole

To Existing Manhole

Assume: 150 dia. pipe @ 1: 150
(flow capacity: 13.50 l/sec.)

Length of Run: 210 m.

Residential

Estimated Population: 885.6 persons.
Daily Flow (DWF): 146124 l/day.
6 x DWF: 876744 l/day.

Commercial

IASBAH new premises: 0 persons
Daily Flow (DWF): 0 l/day.
6xDWF 0 l/day.

Total (6 DWF): 876744 l/day.

Flow per Second: DWF 1.69 l/sec.
Flow per Second: 6 DWF 10.15 l/sec. (Less than Flow Capacity)

Therefore; **150 dia. pipe @ 1: 150 O.K.**