



Project:	Student Residence At Rathdown Road, Dublin 7.	Project No.:	1822
Element:	FOUL WATER DRAINAGE	Calc'd:	E.V
Checked:	G.P	Date:	08/10/18
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Outfall Manhole

To Existing Manhole

Assume: 225 dia. pipe @ 1: 225
(flow capacity: 32.40 l/sec.)

Length of Run: 92 m.

Residential

Estimated Residential Population: 434 persons.
Daily Flow (DWF): 78120 l/day.
6 x DWF: 468720 l/day.
Flow per Second: DWF 0.9041667 l/sec.
Flow per Second: 6 DWF 5.425 l/sec. (Less than Flow Capacity)

Therefore; **225 dia. pipe @ 1: 225 O.K.**