BFA
Architects

WATER CALCULATOR FOR NEW DWELLINGS

Project No: 918 **Land to the Rear of 62 Hillfield Road, London, NW6 1QA**

Revisions

Date: 28 Jan 2019

Installation Type	Unit of Measure	Capacity/Flow Rate (1)	Use Factor (2)	Fixed use (litres/person/day) (3)	Litres/person/day (4)=[(1) x (2)] + (3)
WC (single flush)	Flush Volume (litres)	0	4.42	0.00	0.00
WC (dual flush)	Full Flush Volume (litres)	4	1.46	0.00	5.84
	Part Flush Volume (litres)	2.6	2.96	0.00	7.70
WCs (multiple fittings)	Average effective flushing volume (litre)	0	4.42	0.00	0.00
Taps (excluding kitchen/utility room taps)	Flow rate (litres/minute)	4	1.58	1.58	7.90
Bath (where shower also present)	Capacity to overflow	156	0.11	0.00	17.16
Shower (where bath also present)	Flow rate (litres/minute)	10	4.37	0.00	43.70
Bath only	Capacity to overflow	0	0.50	0.00	0.00
Shower Only	Flow rate (litres/minute)	0	5.60	0.00	0.00
Kitchen/Utility Room sink taps	Flow rate (litres/minute)	2	0.44	10.36	11.24
Washing Machine	Litres/kg dry load	8.17	2.10	0.00	17.16
Dishwasher	Litres/place setting	1.25	3.60	0.00	4.50
Waste Disposal Unit	Litres/Use	0	3.08	0.00	0.00
Water softener	Litres/Person/Day	0	1.00	0.00	0.00

(5)	TOTAL CALCULATION USE (litres/person/day) = (Sum column 4)	115.19
(6)	Contribution from greywater (litres/person/day)	0.00
(7)	Contribution from rainwater (litres/person/day)	0.00
(8)	Normalisation Factor	0.91
(9)	TOTAL Water Contribution (CSH) [(5)-(6)-(7)] x (8) {litres/person/day}	104.83
(10)	**External Water Use**	5.00
(11)	TOTAL Water Contribution (CSH) (9) + (10) (litres/person/day)	109.83