

Assessment of water usage for proposed development ref:

DA/23/01369/FUL PP-12616634

Site address:

49 Marcet Road, Dartford, Kent ,DA1 3AH

Installation Type	AverageCapacity/FlowRa	Litres/Person/Day
Single Flush WC	0	0
Dual Flush WC	4.34	19.18
All WC '	4.34	19.18
Kitchen/Utility Room Taps	7.8	13.79
Other Tap	4	7.9
Baths	140	15.4
Showers	8.1	35.4
Dishwashers	1.25	4.5
Washing Machine	6.5	13.65
Water Softener		
Waste Disposal Unit	Not Present	0
Total Water Use	109.82 Litres/Person/Da	
Contribution from Rain Water	0 Litres/Person/Day	
Contribution from Grey Water	0 Litres/Person/Day	
Normalisation Factor	0.91 Litres/Person/Day	

CodeforSustainabe Homes-Consumptions & Credits	
Water Consumption (Code for Sustainable Homes)	99.9 Litres/Person/Day
Credits Score	3

Regulations 2000 AD Part G (2010 Ed)-Consumption	
External Water Use	5 Litres/Person/Day
Water Consumption (Bulding Regulation 17K)	104.9 Litres/Person/Day

Kitchen/Utility Room Taps						
Description	Flow Rate	Qty	Total Water	Grey Water	Rain Water	Net Water
KITCHEN Sink	7.8	1	7.8	0	0	7.8
Total Litres/Person/Day Gross						13.79
Total Litres/Person/Day Gross						13.79

Other Taps						
Description	Flow Rate	Qty	Total Water	Grey Water	Rain Water	Net Water
Wash Hand Basins	4	3	12	0	0	12
Total Litres/Person/Day Gross						7.9
Total Litres/Person/Day Gross						7.9

Baths						
Description	Capacity	Qty	Total Water	Grey Water	Rain Water	Net Water
BATH	140	1	140	0	0	140
Total Litres/Person/Day Gross						15.4
Total Litres/Person/Day Gross						15.4

Showers						
Description	Flow Rate	Qty	Total Water	Grey Water	Rain Water	Net
SHOWER-MIXING TAP	8.1	2	16.2	0	0	16.2
Total Litres/Person/Day Gross						35.4
Total Litres/Person/Day Gross						35.4

Washing Machines						
Description	L/Kg Dry Load	Qty	Total Water	Grey Water	Rain	Net Water
Washing Machine	6.5	1	6.5			6.5
Total Litres/Person/Day Gross						13.65
Total Litres/Person/Day Gross						13.65

Dishwashers						
Description	L/Place	Qty	Total Water	Grey Water	Rain Water	Net
Dishwasher	1.25	1	1.25	0	0	1.25
Total Litres/Person/Day Gross						4.5
Total Litres/Person/Day Gross						4.5

Single Flush WC 's						
Description	Flush Volume	Qty	Total Water	Grey Water	Rain Water	Net Water
Total Litres/Person/Day Gross						0
Total Litres/Person/Day Gross						0

Dual Flush WC 's						
Description	Flush Vol	Qty	Total Water	Grey Water	Rain	Net Water
WC	5/3	4	13.02			0
Total Litres/Person/Day Gross						19.18
Total Litres/Person/Day Gross						19.18

Ion Exchange Water Softener	
% of Total Capacity Used Per	
Water Consumed Per Regeneration	
Average Regeneration Cycles Per Day	
Occupants Served by the System	
Water Consumed Beyond 4%	

Rain Water Collection	
Collection Area	
Yield Co-Efficient	
Hydraulic Filter Efficiency	
Average Rainfall	
Daily Rain Water Collection	
Number of Occupants	
Daily Rain per Person	

