Consulting Civil Engineers

Water Efficiency Measures

The Field, Brighton Road, Henfield

For

Garry Marshall

Rev – **P**

Reference **C2831**

Date **14th March 2024**

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P	14.03.2024	Initial Issue	LH	CS

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1 Introduction

1.1.1 CGS Civils Ltd has been appointed by Garry Marshall to undertake a Water Efficiency Measures report for a proposed development at The Field, Brighton Road, Woodmancote, Henfield which will follow the required measures that were listed within the Water Neutrality Report which was carried out by CGS Civils Ltd – Ref: **C2831 Water Neutrality Report**.

1.1.2 The proposals are to demolish an existing 3-bedroom dwelling and construct a new 4-bedoom dwelling. The water neutrality report has stated that the proposed 4-bedroom dwelling is to be water neutral just by following HDC Policy 37 and will have a water demand of **458.4 l/day** for the average occupancy of 2.86 as per HDC guidelines.

1.1.3 The purpose of this report is to provide details on the fittings that may be installed within the proposed dwelling in order to adhere to the water usage set out within the water neutrality report.

2 Potential Fittings

Fitting Type	Water Usage Required:	Options:
Toilet	Dual Flush 4/2.6 litre	 Ideal Standard Close Tempo Toilet with 4/2.6l dual flush cistern  Roca The Gap Cistern 4/2 litre dual flush Or similar approved.
Basin Taps	5 litre per minute	 Bristan Pillar tap flow limiter  Hansgrohe Vernis Blend Single Lever Basin Mixer 70 Or similar approved

Bath	170 litres capacity to overflow	 Bathroom Republic standard bath tub 170l  Sidmouth Singled Ended 1600x700mm bath Or similar approved
Showers	8 litres per minute	 Shower flow limiter 8 l/m  Savinga fixed shower head EcoVand Style Air 8 l/min Or similar approved

Kitchen Taps	5 litres per minute	 Quooker Kitchen Tap Or similar approved
Washing Machine	5.87 Litres per kg dry	 Siemens iQ300 WM14NK08GB 8kg Or similar approved
Dishwasher	1.47 litres per place setting	 Siemens iQ500 SN85TX00CE Fully integrated dishwasher Or similar approved