Consulting Civil Engineers

Proposed Dwelling Fittings Survey

The Field, Brighton Road, Henfield

For

Garry Marshall

Rev – **P-**

Reference **C2831**

Date **4th April 2025**

Revision	Date of Issue	Comments	Prepared By	Checked By
P-	04.04.2025	Initial Issue	LT	CS

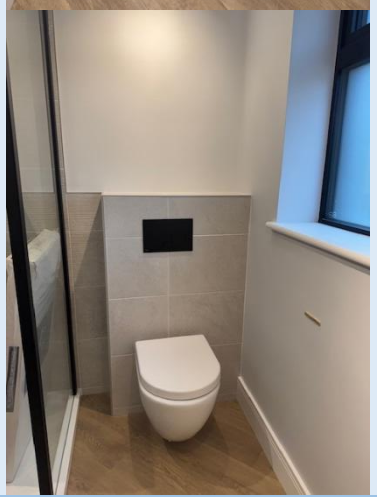
Richard Cobden House, Lion Street, Chichester, West Sussex, PO19 1LW
Tel: 01243 933253 E: mail@cgscivils.co.uk W: www.cgscivils.co.uk

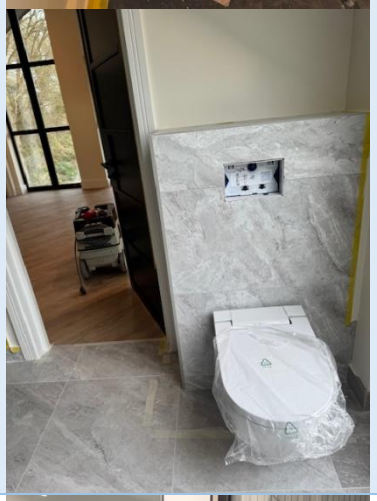
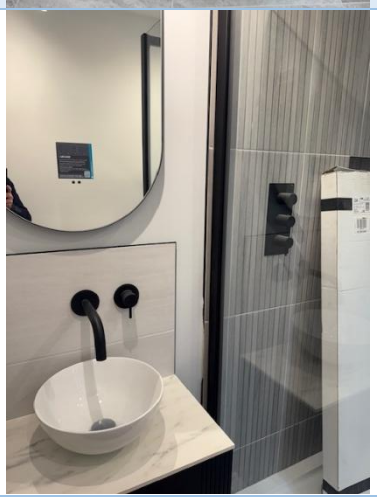
1 Introduction

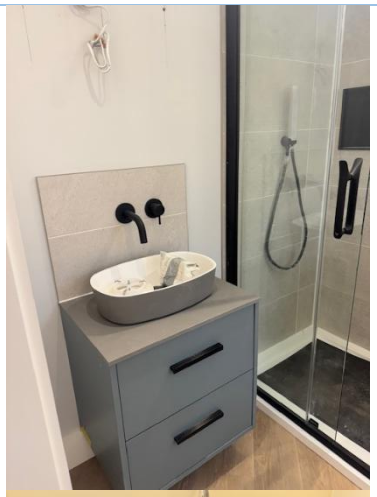
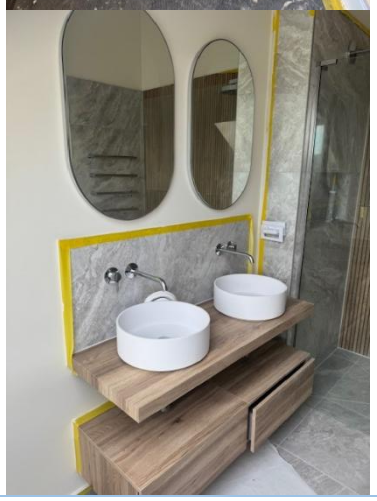
1.1.1 CGS Civils Ltd has been appointed by Garry Marshall to undertake a survey of the fittings currently being installed within the new 4-bedroom dwelling currently being constructed at The Field, Brighton Road, Woodmancote, Henfield. This report has been carried out in support of a Water Neutrality Report (refer to C2831 Water Neutrality Report).

1.1.2 The purpose of this report is to provide an overview on the fittings currently installed, or about to be installed within the proposed 4-bedroom dwelling and to confirm whether they comply with the guidance outlined within the Water Neutrality Report (refer to C2831 Water Neutrality Report).

2 Proposed 4-bedroom dwelling at The Field, Brighton Road, Woodmancote

Fittings	Type of Fitting	Water usage (l/p/day)
  	Toilets	5.84 – full flush 7.70 – part flush This is calculated from the toilet's full flush volume of 4 litres and a part flush volume of 2.6 litres.

 		
	Taps (excluding kitchen)	9.48 This is calculated from the taps' flow rate of 5 l/min.

 		
	Bath (shower also present)	18.70 This is calculated from the bath's capacity of 170 litres.

  	Shower (bath also present)	34.96 This is calculated from the shower's flow rate of 8 l/min.

		
	Kitchen sink taps	12.56 This is calculated from the tap's flow rate of 5 l/min.
	Washing machine	11.676 This is calculated from the washing machine's litre/kg dry load rate of 5.56 l/min.
PHOTO UNAVAILABLE	Dishwasher	5.292 This is calculated from the dishwasher's litre/place setting rate of 1.47 l/min.
	Total water demand of the property's use as a dwelling (l/p/day) with normalisation factor and 5l/p/day added for outdoor use (refer to appendix A):	101.649

3 Conclusion

3.1.1 As outlined within the above calculations, the fittings installed, or due to be installed within the proposed dwelling will comply with the recommendations set out within the Water Neutrality Report for this project (refer to C2831 Water Neutrality Report).

4 Appendices

4.1 Appendix A:

Table 2 – Water Calculator from Building Regulations Part G – Information input from proposed site.

The Water Calculator for New Dwellings with Water efficient measures					
Installation Type	Unit of measure	Volume/ flow rate	Use factor	Fixed use	Litres/person/day
WC (Single Use)	Flush volume (l)	0	4.42	0	0
WC (Dual Flush)	Full Flush Vol.	4	1.46	0	5.84
	Part Flush vol.	2.6	2.96	0	7.70
WC (Multiple Fittings)	Average effective flush volume (l)	0	4.42	0	0
Taps (excl. Kitchen)	Flow rate (l/min)	5	1.58	1.58	9.48
Bath (shower also present)	Capacity to overflow (l)	170	0.11	0	18.70
Shower (bath also present)	Flow rate (l/min)	8	4.37	0	34.96
Bath only	Capacity to overflow (l)	0	0.5	0	0
Shower only	Flow rate (l/min)		5.6	0	0
Kitchen sink taps	Flow rate (l/min)	5	0.44	10.36	12.56
Washing Machine	Litres/kg dry load	5.56	2.1	0	11.676
Dishwasher	litres/place setting	1.47	3.6	0	5.292
Waste disposal unit	litres/use	0	3.08	0	0
Water softener	litres/person/day	0	1	0	0
		Total Calculated use (l/p/d)			106.208
		Contribution from greywater (l/p/d)			0
		Contribution from rainwater (l/p/d)			0
		Normalisation factor			0.91
		External water use			5
		Total water consumption (36(1)) (l/p/d)			101.649