

Job Number	Title	Revision	Date
7278	Project 2020 AA& DB – GDM Combined Harvesting System	0	29.01.18

RAINWATER & GREY WATER RECYCLING STRATEGY

RAINWATER HARVESTING

1. The surface water on 17 Charterhouse Street and Saffron Hill will be attenuated in an inverted blue roof detailed by the Architect. An area of blue roof on each building will be utilised to supply two harvesting tank systems at basement plant level in 17 Charterhouse Street and Saffron Hill.

The surface water rainwater outlets within the blue roof will have flow restrictor plugs to reduce the flow rate to the rainwater pipes to achieve the desired surface water discharge allowed into the sewer system as per the local authority requirements. The harvesting systems will be used to serve the WC cisterns in the toilet cores 1-5 for flushing purposes.

Any other areas that do not have an inverted blue roof will be discharged to the courtyard attenuation tank or to the harvesting tanks as appropriate.

GREYWATER HARVESTING

2. The grey water discharge from the waste stacks in toilet cores 1, 3 & 4 shall route down through the building to feed two grey water harvesting tanks one in 17 Charterhouse street & one in Saffron Hill at basement level.

The reclaimed grey water from wash hand basins and showers will be recycled to serve toilet cores 1-5 WC cisterns for toilet flushing purposes, this forms part of the combined harvesting systems using both rainwater and grey water.

Refer to manufacturers details and drawings for further information.