

## Water Recycling.

We were asked by Minoli Design to consult to provide information for planning conditions for 62 Broadwood Ave, Ruislip.

The specific conditions are as follows.

1. Details of rainwater collection facilities to capture excess rainwater.
2. Details of how rainwater and greywater will be recycled and reused within the development.

### 1. Rain water harvesting.

Excess rainwater can be harvested and stored in rain water butts. A pair of rainwater butts can be located to the rear of the property, picking up rain water from two downpipes.

See the indicative picture below.

A diverter would be fitted to the downpipe which automatically redirects rainwater to the butt and allows water to pass by the diverter once the butt is full.

The water would be typically used for watering plants.



## 2. Grey water recycling

Grey water from showers, baths and wash basins can be recycled by utilising a dedicated system. The recycling unit contains a storage tank, filtration elements and a booster pump. The unit would supply cleaned grey water to feed the WCs.

See the indicative schematic below.

A Hydraloop H300 would be a suitable unit to carry out the recycling and would be installed within the plant room of the property.

