JRB DESIGNS Ltd.
1 SAVILLE STREET,
CUDWORTH,
BARNSLEY,
SOUTH YORKSHIRE,
S72 8LT.

Registration No. 3372719
TEL. 01226 383542
MOB. 07970541192
e-mail
john@jrbdesigns.co.uk

Sustainable Drainage report for the development of 12 apartments at West Street Royston Barnsley.

The purpose of this report is to assess the potential for disposing of surface water through a sustainable drainage system (SuDS) to satisfy a planning application for 12 new dwellings at the site address (the Site). The site on West Street Royston lies in an urban area which is neither at risk of flooding from rivers or surface water.

At present the site is covered by 50% non permeable surface consisting of a garage and concrete forecourt with gentle slope away from the road. The proposal will actually reduce the non permeable surface area to 40%. This is achieved by replacing the existing concrete hard standing with permeable block paving. It is also proposed that the roof surface water be channelled into a large soak away to the rear of the development. The relatively high permeability of the Sandstone Formation may create potential for a soak away SuDS feature towards the east of the Site. However, the permeability of the ground here will have to be investigated by way of percolation testing to verify the feasibility of such a scheme.

Maximum groundwater levels should be sufficiently below the base of potential infiltration soak aways.