

I.H.S. SYSTEMS LTD.

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3 June 2023

Our Ref: L 23028

Mr & Mrs Hill
The Willows
Eynsham Road,
Cassington,
OX29 4DF

Proposal for the installation of a Klargester BA Biodisc.

Further to our visit to the site on 1/06/2023, we recommend the proposed installation of a Klargester BA Biodisc sewage treatment plant to treat and dispose of sewage effluent from the proposed property at The Willows, Eynsham Road, Cassington, OX29 4DF.

The Biodisc is one of the best domestic units on the market, which can serve a population of up to six persons.

All foul waste and grey water will exit from the rear of the proposed property and be collected via 3 inspection chambers, with a 4 inch sewer pipe running towards the Klargester BA Biodisc. The Klargester BA Biodisc, which will be, situated approximately 10 metres away from the proposed property.

The treated water from the sewage plant will then be discharged via an internal pump into a drainage field, allowing the liquid to soak away into the ground. The drainage field is designed to allow naturally occurring bacteria in the soil to complete the cleaning process.

Solid matter within the effluent is converted into inert sludge, and retained within the sewage plant. A vacuum tanker should remove this annually.

Three test holes were excavated, to determine the porosity of the ground proposed for the drainage field. The results of the test are as follows; 45-minute seepage time from 75% to 25% divided by 150 millimetres, giving a final calculation of 18V a 1 millimetre every 18 seconds, which determines the area length of the drainage field to approximately a 30-metre drainage grid. The drainage field will be situated approximately 15 metres from the proposed property.

Roof catchment area rainwater will be discharged via its own separate soak away, heading away in the opposite direction from the Klargester BA Biodisc and drainage field.

Yours sincerely

Russell Ilott
Consultant Engineer

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