

## Design and Access Statement

### Planning application for the installation of a packaged sewerage treatment plant at No 3 Clockhouse Square Andoversford Glos GL54 4LY and decommission of existing septic tank



#### Existing Sewerage Treatment

The waste water from No 3 currently flows from the property, to a septic tank system situated in the rear garden. The waste water from No 4 also flows from the property, crosses the boundary and also empties into the same septic tank. This arrangement is a legacy setup with the septic tank the original waste water management system.

The septic tank is of the original brick construction with an approximate operating volume of around 1600L, and the separated water discharges via an integral soakaway manhole. On the day of inspection, it was evident that the tank is starting to deteriorate and it is operating at 700mm below the incoming pipe and so has no outflow. This is good indicator that the tank has a leak approximately 700mm up from its base. Septic tanks of this construction have a maximum operating life of 35 years and this has been surpassed.

#### The Proposal

In view of the issues with the existing septic tank, a packaged treatment plant from Klargester is proposed, positioned in the rear garden of No 3 to suit existing garden features. The new plant will be manufactured to EN 12566.3 and the performance specification can be seen on the certificate included with this application.

The waste water pipe work from No 4 will be uncovered at the boundary and directed to the new treatment plant with the inclusion of an inspection chamber. The new plant will be connected to the existing outflow/soakaway. A sample chamber to test the quality of the water treatment will be constructed after the treatment process and before discharge.

To manage the treatment plant a small waterproof kiosk, in green, will be installed. This will house all the treatment plant electronic control equipment. Construction equipment and plant will access the work area via the side access and/or with permission from adjacent farm land on the Eastern boundary.

### **Conclusion**

We are keen for this proposal to be granted permission as the removal of an ageing and out-dated septic tank system, replacing it with a modern and sustainable treatment plant will ensure that compliant waste water treatment will be in place for another 35 years at least. The daily flow is less than 1.5m<sup>3</sup> and with the new process actually treating the waste water, the existing EA permissions are transferable.

We would be pleased to consider any guidance and comments that the Local Authority, Parish Council and Highways may have to get the best possible outcome, and therefore look forward to working with you to achieve our objective.

**RWH Consulting Ltd**  
**For and on behalf of Bromford.**