

# Drainage Strategy

December 2023

## Denver House Barn Conversions, Acton Burnell.

### **Foul Drainage**

The existing dwelling has its own septic tank. It is not feasible to connect to the mains public sewer which is some distance up the lane (see sewer map).

The proposal includes a package treatment plant located at the Southern end of the site and close to the adjacent watercourse. The package treatment plant will be installed outside of the flood zone and will discharge clean effluent into the existing watercourse. The watercourse has a continual flow.

Permissions and permit will be sought for discharging into the watercourse.

The package treatment plant will have capacity to cater for 16 people and will be installed in strict accordance with manufacturer's instructions.

### **Storm Drainage**

The existing storm drains appear to be in working order and will be checked and repaired where necessary. These run to existing soakaways. The existing rainwater goods will be replaced for new metal (aluminium) type. To cater for climate change and to improve the existing system new soakaways will be installed with oversized attenuation pipes.

This will be sized according to the infiltration rate of the ground. The soakaways will be designed and installed in accordance with Approved Document Part H section 3 and British Standard EN 752-4. The soakaways will be located a minimum of 5 metres from any building and will have silt traps.