

Church End House, Church End, Great Rollright, OX7 5RX

## Surface Water Drainage Design

Results from Soakaway test carried out following BRE365.

### **Tests undertaken by Panache Pools Ltd. (Main Contractor) 28-09-2023**

The ground is very permeable made up of small stone at 1m deep. Surface Water Drainage design

We completed three tests one after the other as detailed below.

Excavation trial hole measured 1.3m x 1m x 1m. We filled the hole rapidly with one full digger bucket of water each time to approximately 0.2 cubic meters to mimic a real storm event. The 0.2 cubic meters drained in a time frame of 2 minutes.

The water drained completely each time.

The three tests were completed immediately after each other.

#### **Conclusion from main contractor.**

The ground here is very porous and a simple soakaway will satisfy the rainwater provision.

These results and the planning permission clause 3 were passed to GHW Engineers

### **The resultant design for a soakaway is below.**

Soakaway to be Geocellular crate soakaway (Polystorm or similar) - 2m x 2.5m x 0.4m Deep.

This has been indicated on the revised site drawing.

MRT Architects

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