

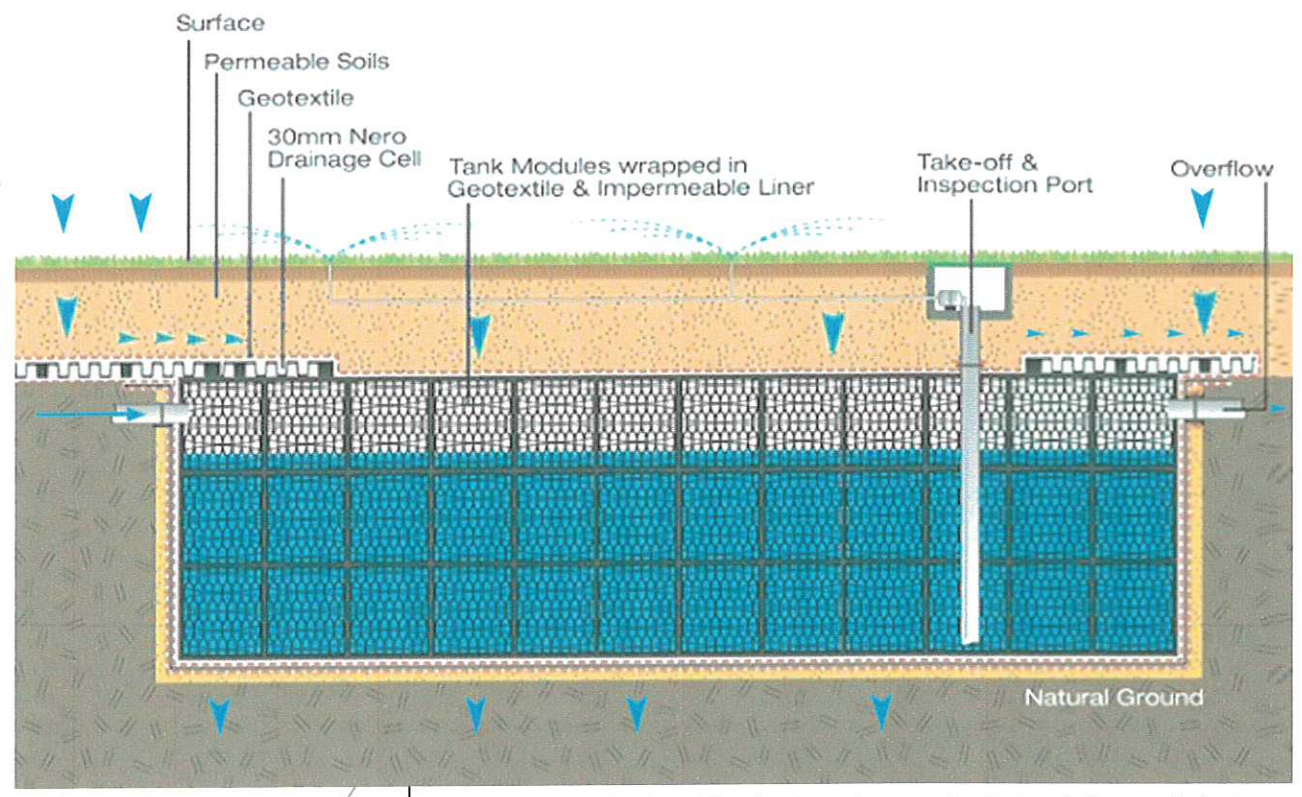
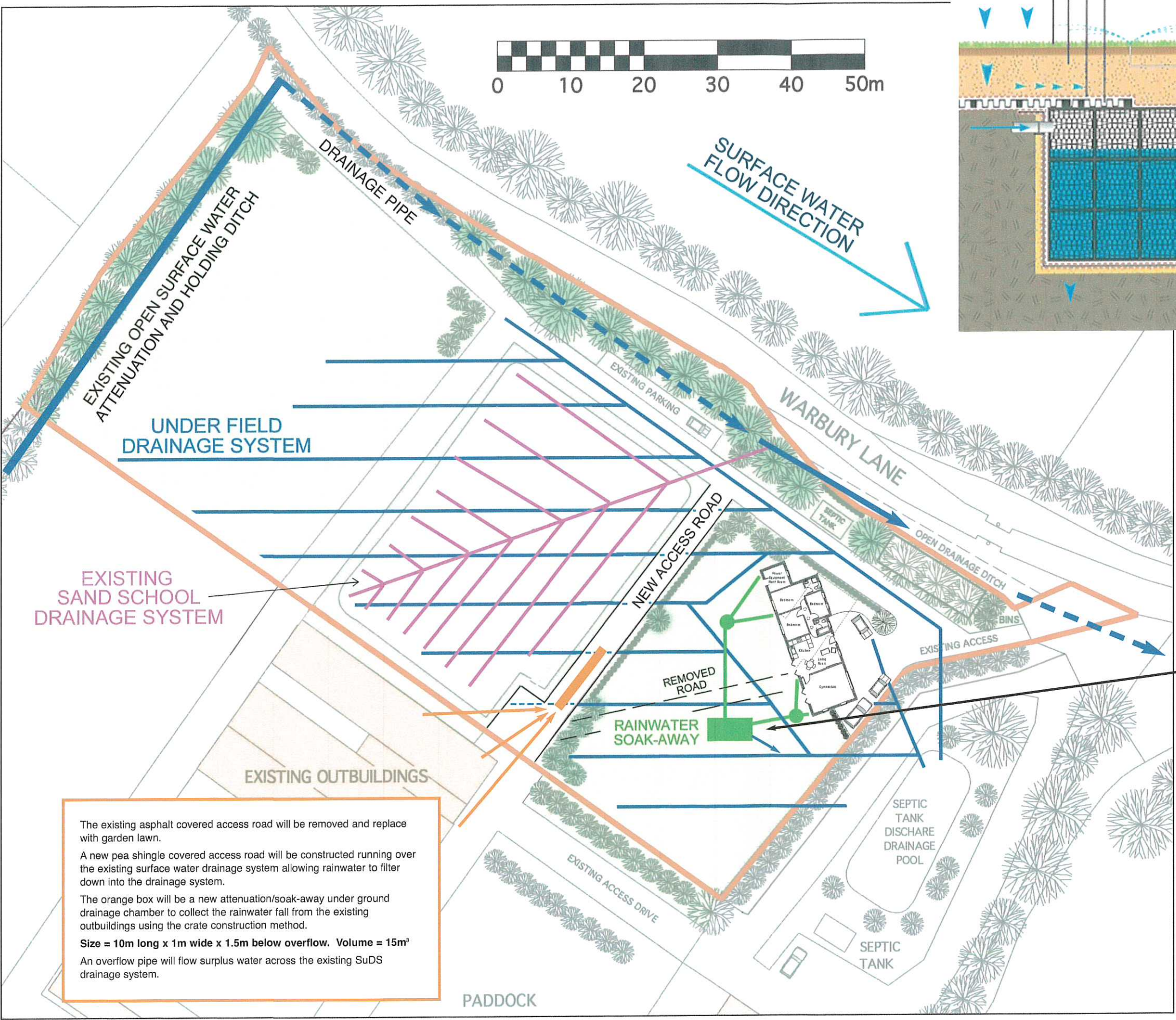
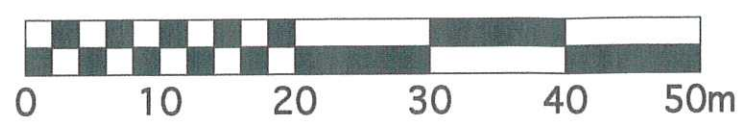
**PROPOSED SURFACE WATER DRAINAGE SYSTEM LAYOUTS**

(SHEET: PROPOSED SURFACE DRAINAGE)

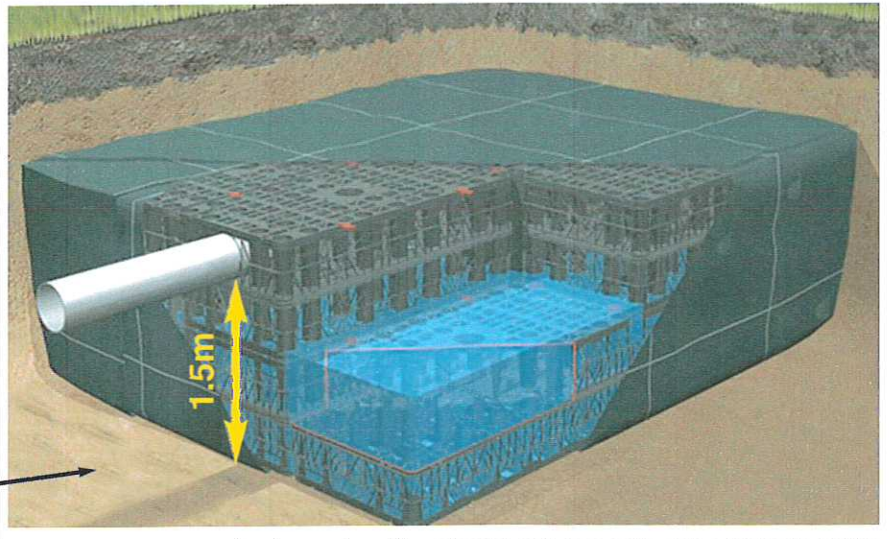
The Gatehouse, Warbury Lane, Woking, Surrey, GU21 2TX

SCALE 1:200 @A0 Date: December 2020

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Cross section view of the rainwater soak-away system that can be increased in its storage capacity if rainfall increases due to changing climate and environmental events.



A cut-away view of the rainwater soak-away crate system that holds surplus surface water and allows the slow filtration of water into the ground base soil.

The existing asphalt covered access road will be removed and replace with garden lawn.  
 A new pea shingle covered access road will be constructed running over the existing surface water drainage system allowing rainwater to filter down into the drainage system.  
 The orange box will be a new attenuation/soak-away under ground drainage chamber to collect the rainwater fall from the existing outbuildings using the crate construction method.  
**Size = 10m long x 1m wide x 1.5m below overflow. Volume = 15m<sup>3</sup>**  
 An overflow pipe will flow surplus water across the existing SuDS drainage system.

The green box will be a new attenuation/soak-away under ground drainage chamber to collect the rainwater fall from the proposed replacement dwelling.  
 The chamber will also 'hold' surface water for re-use on the dwelling's garden plants and lawn using the above illustrated crate construction method.  
**Chamber Size = 3m long x 2m wide x 1.5m below overflow. Volume = 9m<sup>3</sup>**  
 An overflow pipe will flow surplus water across the existing SuDS drainage system.