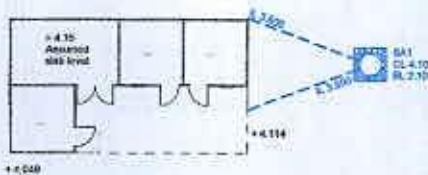


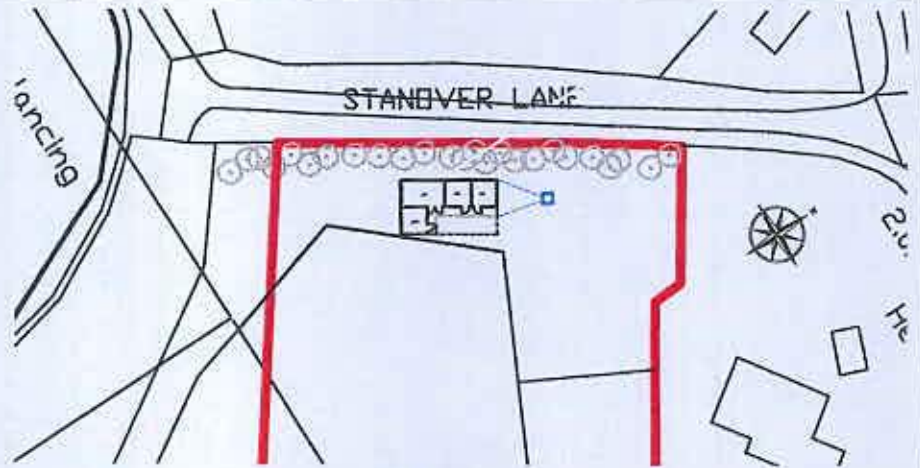
Y/100/15/PL.



Location plan - scale 1:1250



Plan - scale 1:200



Block Plan - scale 1:500

KEY

- Proposed storm drainage 100mm dia at min 1:100
- Proposed concrete ring soakaway 1.2m diameter x 2m deep overall
- CL 9.800 Existing ground level
- EL 9.800 Base level - top of concrete base
- IL 9.800 Invert level of pipes
- +4.100 Existing ground levels in metres AOD

NOTE

This drawing had been produced for discharge of planning conditions only. All levels and details to be checked for Building Regulations approval and construction purposes.

Surface Water Drainage Design Notes

The geology here indicates Tertiary over River Terrace Deposits of silt, sand, clay and gravel over Upper Chalk. In practice, however, on Broad Made Ground of predominantly clay with local rubble with some grit. Further the River Terrace Deposits over the Upper Chalk were encountered in test holes that extended to 2m below ground level.

Ground levels are over 2.2m higher than the adjacent road and groundwater was not encountered during the investigations in late February 2018.

The drainage design is based on permeation tests carried out in DSC 302 probes in late February 2018. An average soil infiltration rate of 1.30m/h¹ was obtained, to which a factor of safety of 1.5 has been applied.

A concrete ring soakaway has been designed 1.2m in diameter x 2.0m deep, which will be suitable to drain the new building of 75 m² without flooding area 1 in 100 year rainfall event + 30% climate change addition.

Original	RTPL	21.3.18
Rev	Description	On Date
Project		
Land at Brickfields Hoe Lane Flansham		
Client		
Lee Oldcorn		
Drawing Title		
Surface Water Drainage		
Robert Clark Associates Ltd		
Chartered Civil Engineers		
Water Cottage, Heme Lane, Ruxington		
West Sussex BN16 5EE		
T. 01903 778545 E. rca-td@talktalk.net		
This drawing is the copyright of Robert Clark Associates Limited. It may not be copied or reproduced without their written authority.		
Scale	As shown	At subject A3
Drawing Number	1785/SK1	Revisions -