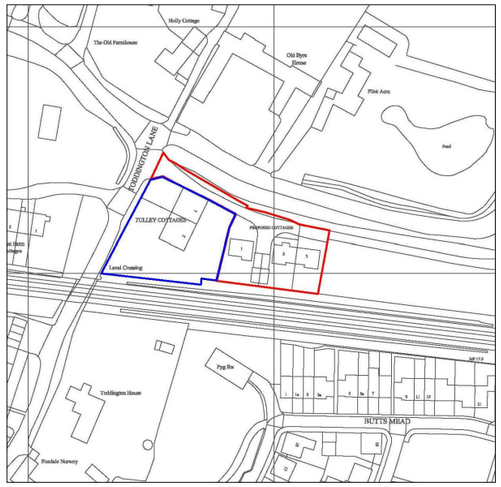
Key

- Proposed foul water drainage 100mmØ at min 1:80
- Proposed surface water drainage 100mmØ at min 1:100
- Channel Drain
- 450 dia surface water inspection chamber
- 250 dia surface water inspection chamber
- G — Road gulley
- 450 dia foul water inspection chamber
- 250 dia foul water inspection chamber
- SA1 — Concrete ring soakaway - see calculations for ring diameter and other details

Sealed cesspool suitable for the proposed 3 No. 4-person dwellings



Location Plan - scale 1:2500

Surface Water Drainage Design Notes

The British Geological Survey records indicate the site to be underlain by River Terrace Deposits of sand, silt and clay bordering on Raised Beach deposits of sand and gravel overlying chalk of the New Pit Formation. Our own investigations revealed around 250mm of topsoil over silty sands and compact sandy silts becoming more sandy with depth. Chalk was encountered at varying depths across the site from 1.55m to 4.14m below ground level as initially weathered becoming dry and more blocky with depth. No groundwater was encountered.

The drainage design is based on percolation tests carried out to BRE365 in three separate test holes in March 2018. An average soil infiltration rate of 1.056×10^{-4} m/s was obtained at depths ranging from 0.72 to 3.84m below ground level.

Concrete ring soakaways are proposed for draining all roof and road areas. These will be 1.2 and 1.5m diameter units, each 2.5m deep to base. See Layout Plan and calculations for details.

Foul Water Drainage Design Notes

There is currently no public foul water sewer within an accessible distance form the site. There is insufficient room to accommodate a drainage field from a sewage treatment plant or a septic tank and there is no suitable watercourse available. The only option for the foul drainage from this development is to a private cesspool. This should be located a minimum of 7m from habitable buildings. It should be suitable for up to 12 persons and conform to Building Regulations Approved Document H paragraphs 1.58 to 1.67.

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

-	Original	RTFC	9.4.18
Rev.	Description	Drn.	Date

Project

Tulley Cottages
Toddington Lane
Littlehampton

Client

Stuart Tulley

Drawing Title

Drainage Layout

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Scale	At original
1:200	A3

Drawing Number	Revision
1755/SK2	-