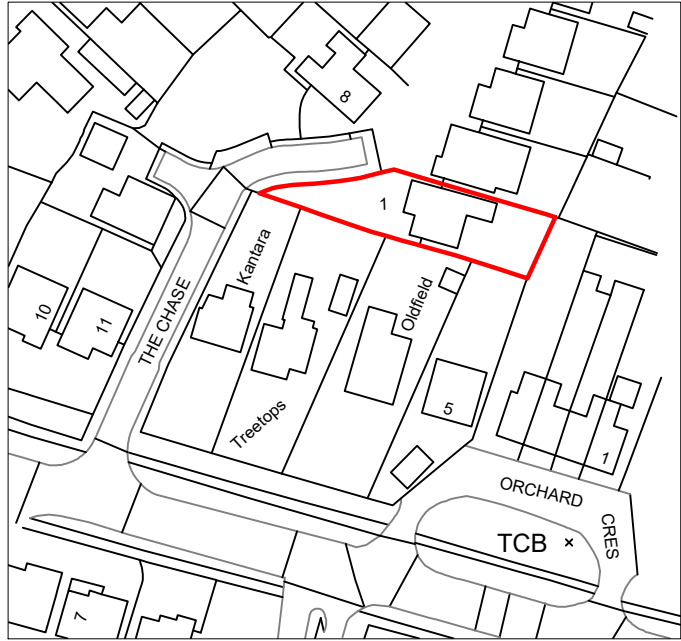
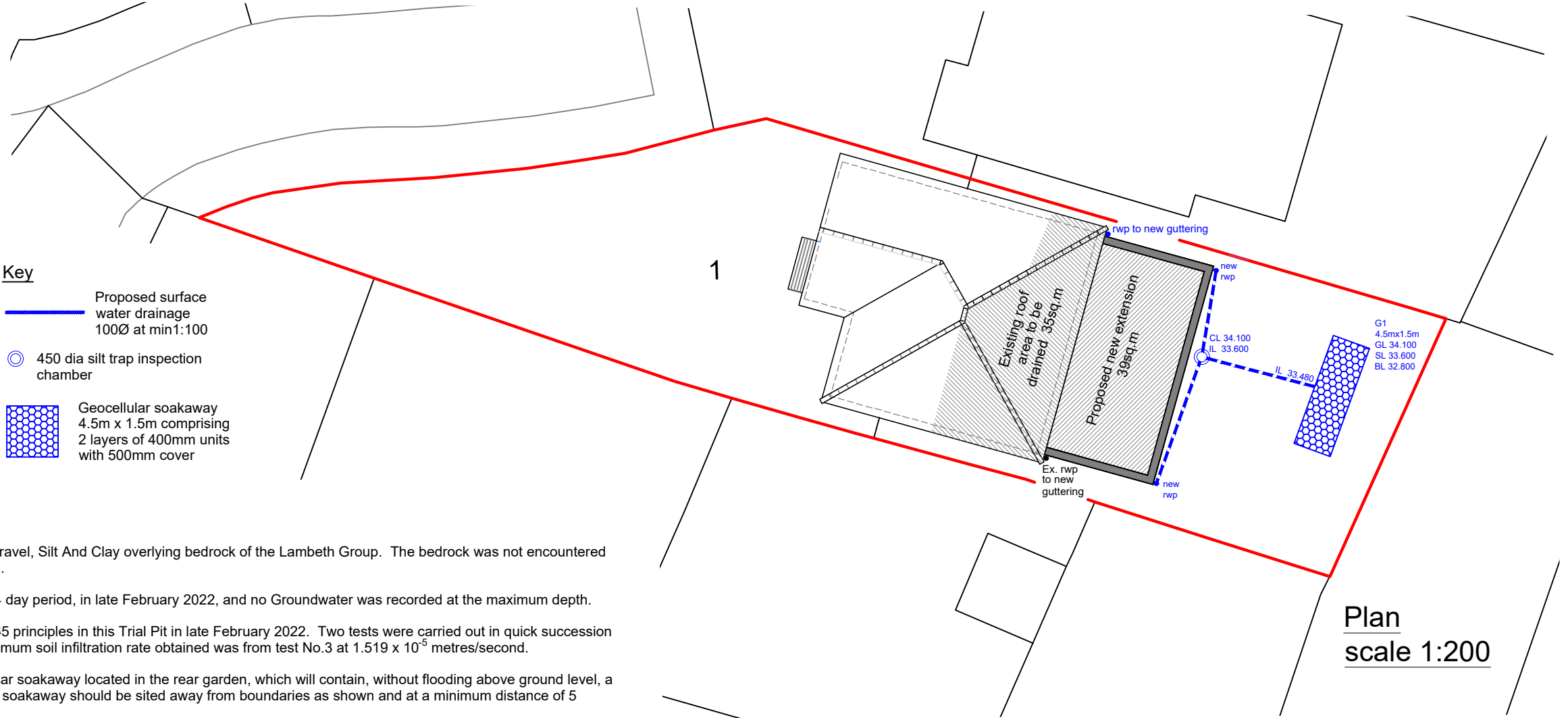




Location Plan - scale 1:1250



Plan
scale 1:200

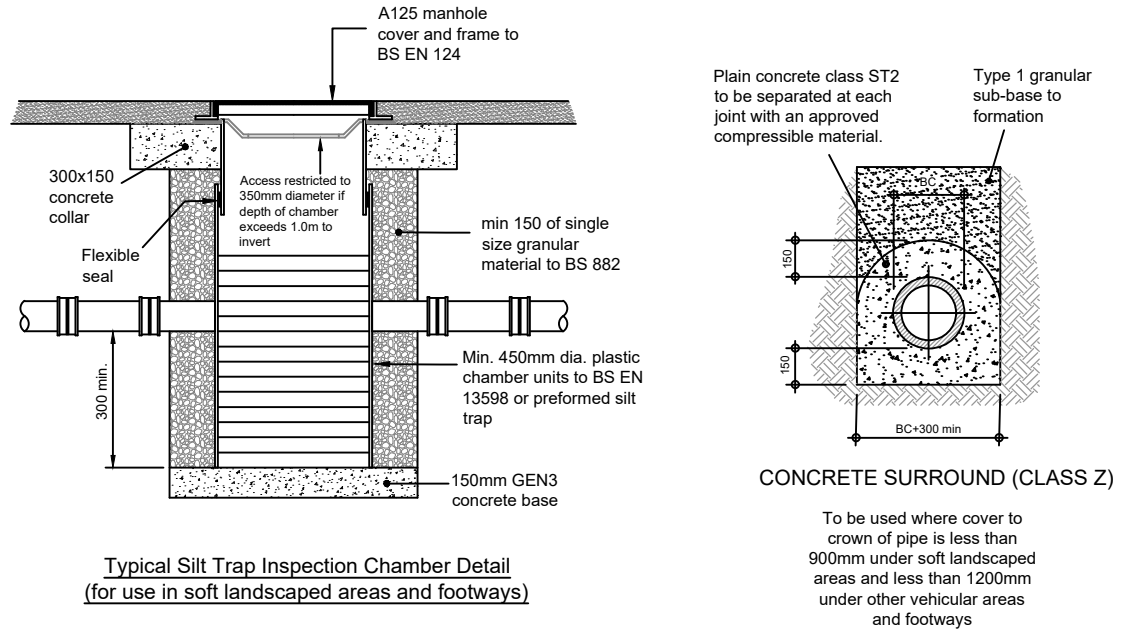
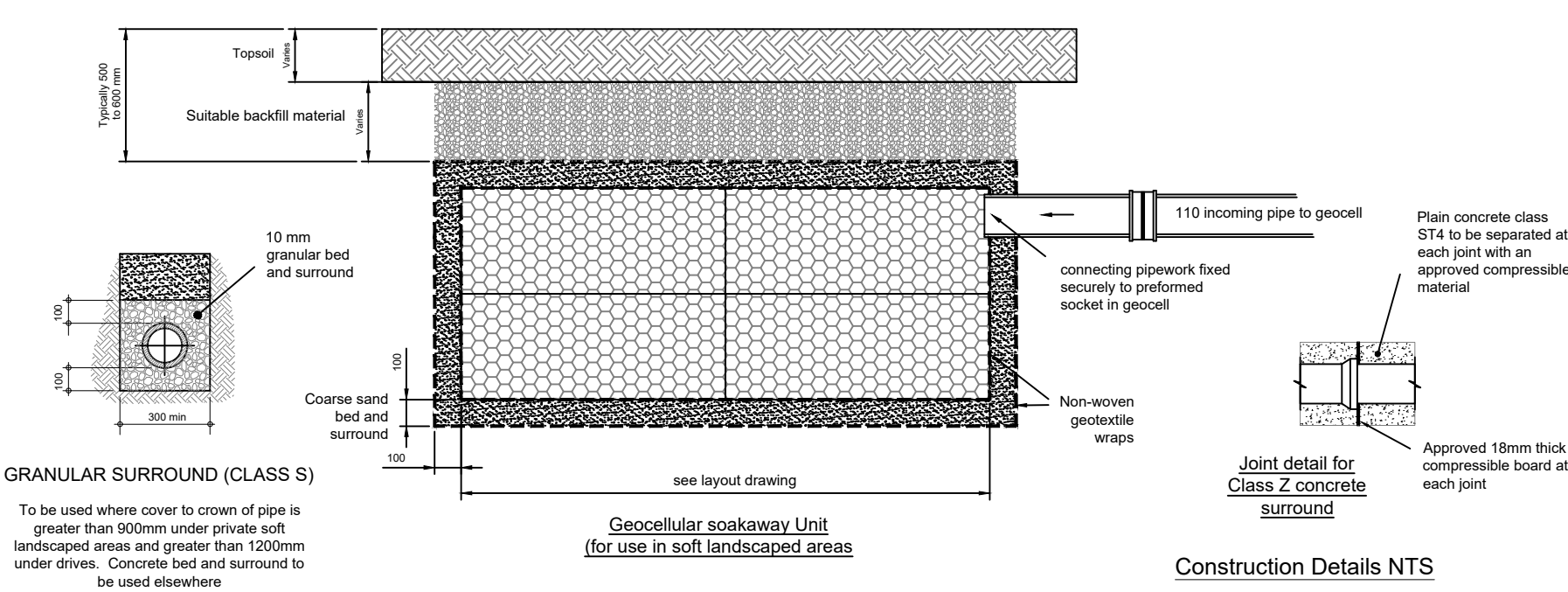
Surface Water Drainage Design Notes

Ground conditions here comprise Topsoil over Head Deposits of Sand, Gravel, Silt And Clay overlying bedrock of the Lambeth Group. The bedrock was not encountered in the Percolation Trial Pit that extended to 1.2 metres below ground level.

Groundwater was monitored within this excavated Trial Pit, daily, over a 4 day period, in late February 2022, and no Groundwater was recorded at the maximum depth.

The drainage design is based on 3 percolation tests carried out to BRE365 principles in this Trial Pit in late February 2022. Two tests were carried out in quick succession on the same day, with the 3rd test carried out the following day. The minimum soil infiltration rate obtained was from test No.3 at 1.519×10^{-5} metres/second.

The contributing roof areas will drain, via a silt trap, into a single geocellular soakaway located in the rear garden, which will contain, without flooding above ground level, a 1 in 100 year rainfall return event plus 40% climate change addition. The soakaway should be sited away from boundaries as shown and at a minimum distance of 5 metres from the new extension.



-	Original			RTFC	4.4.22
Rev.	Description	App.	Chk.	Dm.	Date

Project	1 The Chase Fontwell Arundel West Sussex
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Client	Fuller Associates
Drawing Title	SW Drainage Layout

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Scale As shown		At original A3	
Drawing Number 2114/D1.1		Revision -	