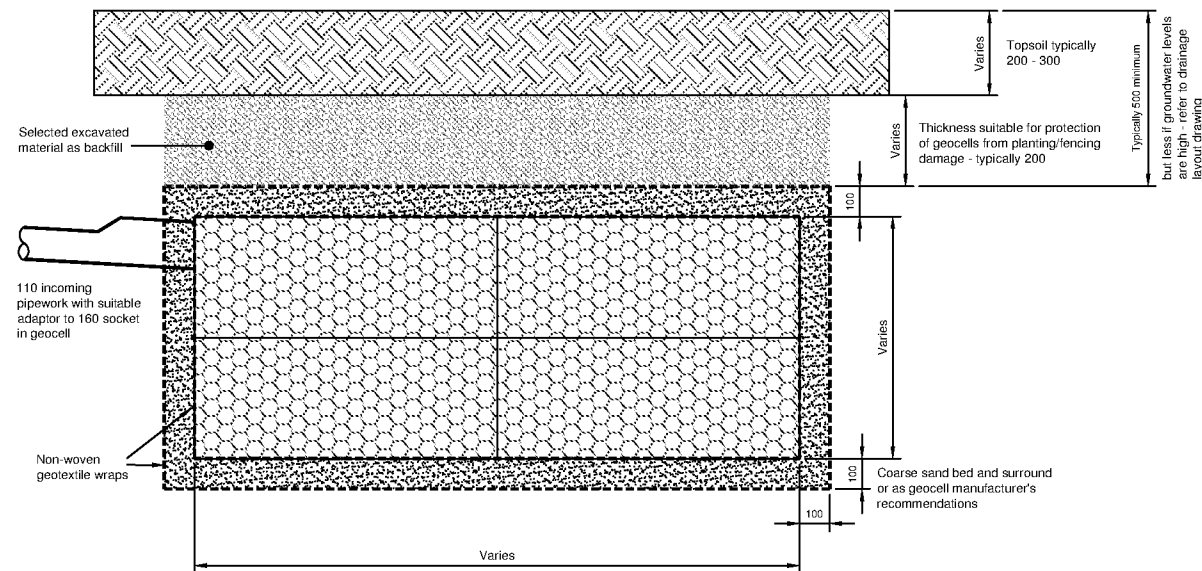
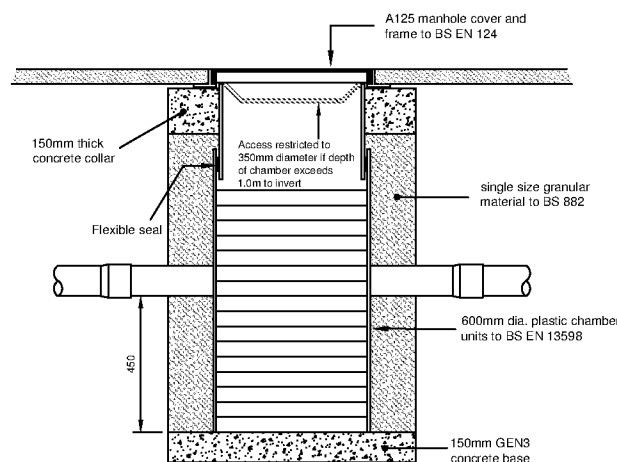




Typical Geocellular soakaway Unit
(for use in soft landscaped areas)

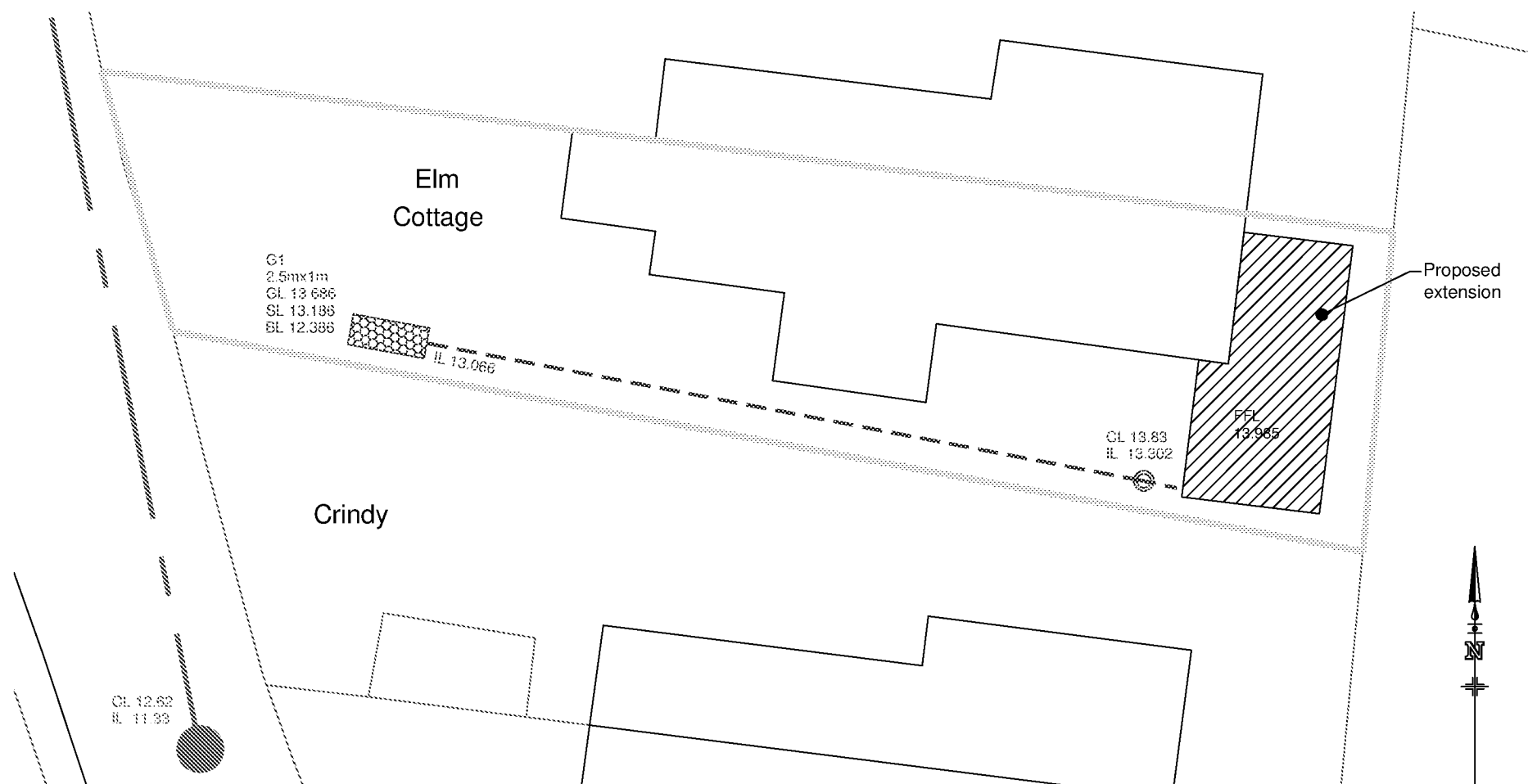


Typical Silt Trap Inspection Chamber Detail
(for use in soft landscaped areas and footways)

Construction Details - scale 1:25



Location plan - scale 1:1250



Plan - scale 1:200

KEY

- Proposed storm drainage
100mm Dia at min 1:100
- Proposed silt trap inspection chamber
- Proposed geocellular soakaway
2.5sq.m of 800mm deep geocells

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

Rev.	Description	Drm.	Date
-	Original	RTFC	26.3.19

Project
Elm Cottage Dairy Lane Walberton

Client
Gail Pilkington
Drawing Title
Surface Water Drainage

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Scale As shown		At original A3	
Drawing Number 2004/SK3		Revision -	

Surface Water Drainage Design Notes

Ground conditions here comprise Topsoil over River Terrace Deposits (soft to firm silty sandy clays) over London Clay. The River Terrace Deposits were found at 0.2m below ground level and were found to comprise soft to firm silty clays with some grit and gravel and occasional flints. The London Clay was not encountered in test holes that extended to 1.29m below ground level. No groundwater was found during investigations which were carried out from the end of December 2018 through to mid-March 2019.

The drainage design is based on percolation tests carried out to BRE365 principles in two separate test holes in January 2019. A minimum soil infiltration rate of 2.518×10^{-5} m/s was obtained.

An 800mm deep rectangular geocellular soakaway has been designed, 2.5m long x 1.0m wide, which will be suitable to drain a roof area of 39 sq.m without flooding on a 1 in 100 year rainfall event + 40% climate change addition. The soakaway should be sited a minimum of 5m from any building to avoid any saturation of the ground and settlement affecting the structure.