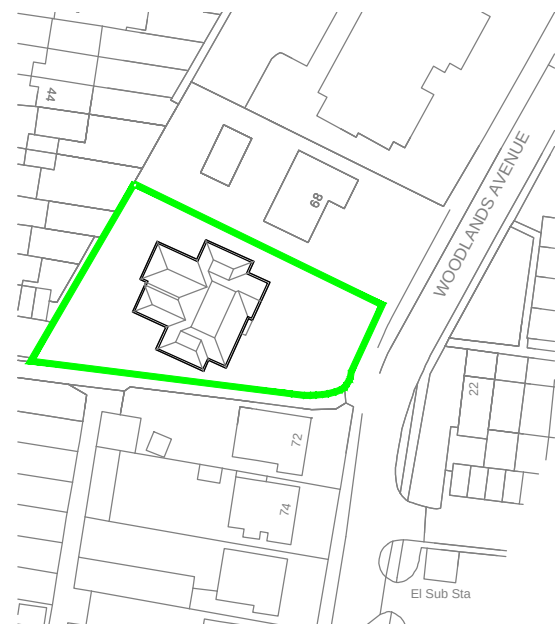
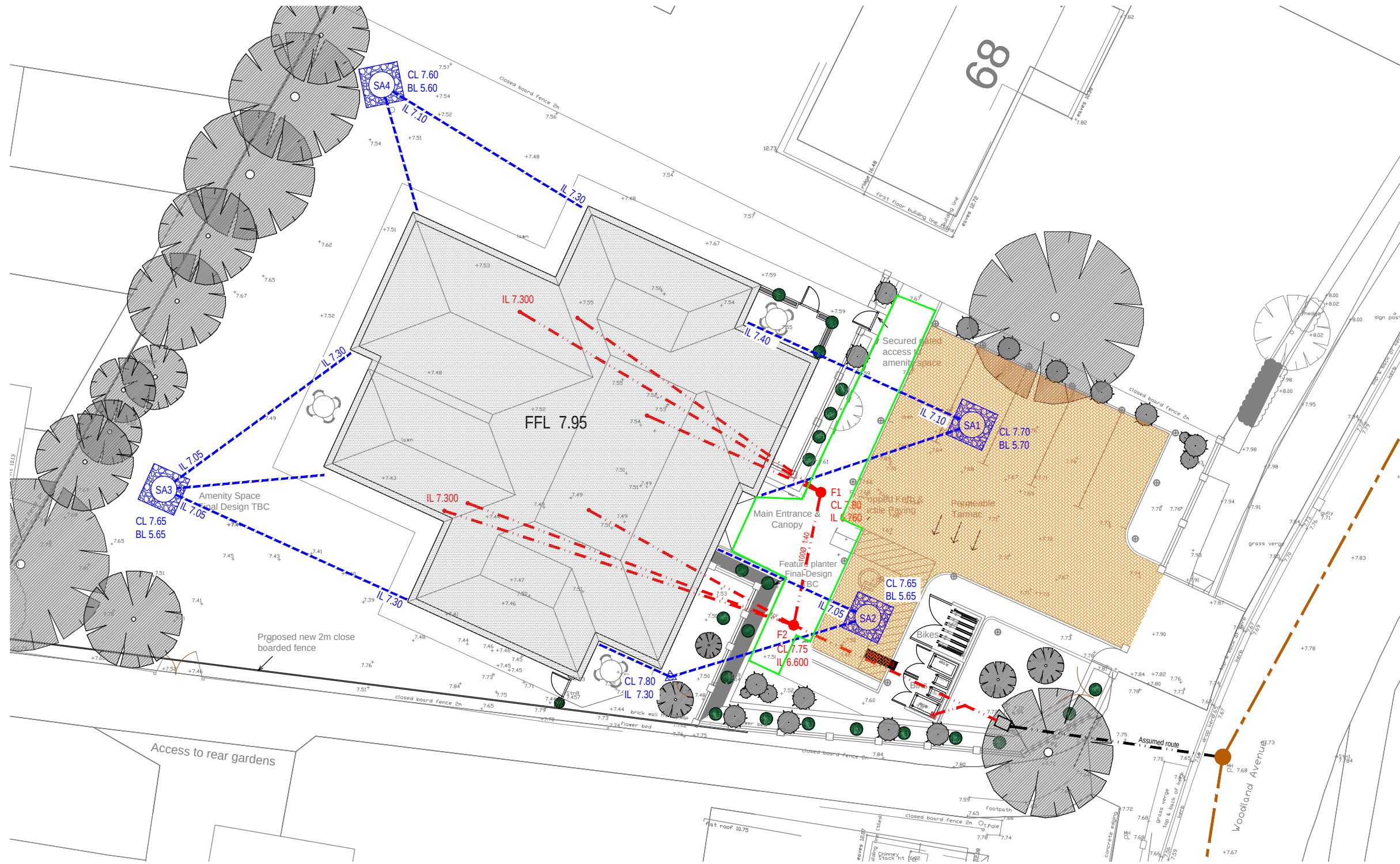




Location plan - scale 1:1250

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	23.5.18
Rev.	Description	Drm.	Date

Project

70 Woodlands Avenue
Rustington
West Sussex

Client

Leach Investments

Drawing Title

Drainage Layout

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Scale	As shown	At original	A3
Drawing Number	1700/D1.1	Revision	-

Key

- Proposed foul water drainage
100mm diameter at min. 1:80
- Proposed surface water drainage
100mm diameter at min. 1:100
- 250 dia surface water inspection chamber
- Foul gulley serving bin area
- 450 dia foul water inspection chamber
- Concrete ring soakaway
CL ### Cover Level
BL ### Base Level
- Permeable paving in porous asphalt
- Existing public foul water sewer
- Existing ground levels in meters AOD

Surface Water Drainage Design Notes

Ground conditions here comprise Topsoil over River Terrace Deposits (soft to firm silty sandy clays) over Upper Chalk. The River Terrace Deposits were found at 0.2 to 0.35m below ground level and comprised soft to firm silty sands becoming more sandy with depth with some clay, grit and larger sub-angular flints. The Upper Chalk was not encountered in trial holes that extended to 3.6m below ground level

No groundwater was found during the investigations in early January 2017 and subsequent monitoring that was carried out through to April 2017 only showed only a slight presence in late February 2017.

The drainage design is based on percolation tests carried out to BRE365 principles in five separate test holes in late February 2017. Consistent soil infiltration rates were found that averaged 3.1416×10^{-5} m/s.

Permeable paving is proposed for the access and parking areas throughout the site, comprising porous asphalt. Four 1.2m dia. concrete ring soakaways, each 2.0m deep will be used to drain roof areas.

The permeable paving will likely comprise 120mm of surface and binder course over 350mm of coarse graded aggregate with a layer of Terram above the formation but this will be subject to specialist structural design by others.