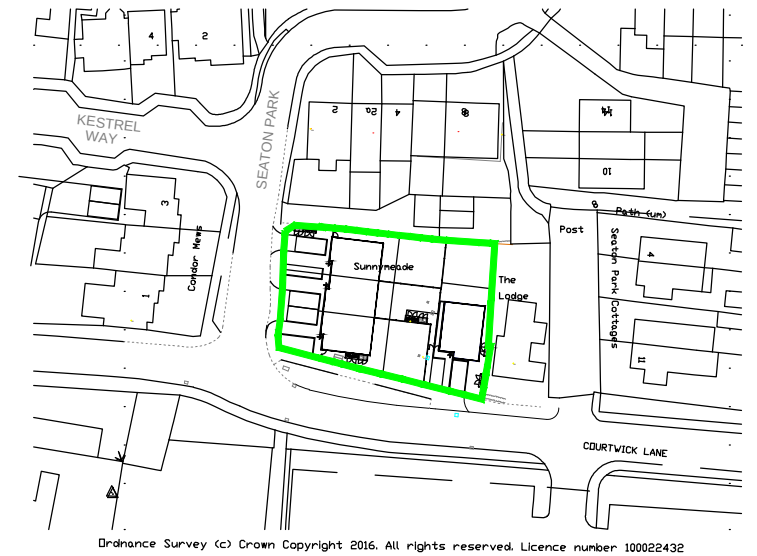
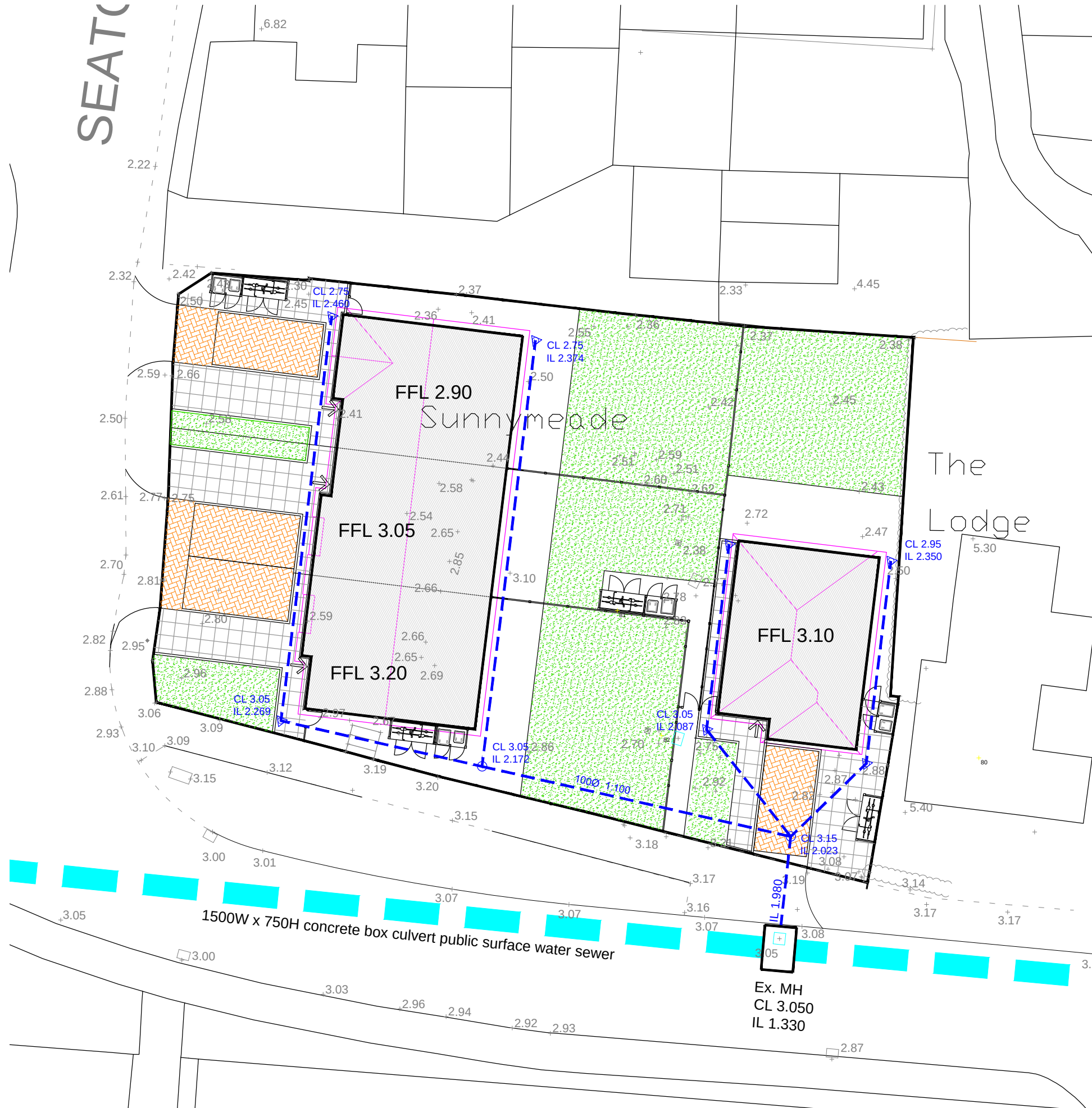


SEATON PARK



Location Plan - scale 1:1250

Surface Water Drainage Design Notes

Ground conditions here comprise Topsoil over Alluvium and Raised Beach Deposits of clay, silt, sand and gravel over upper chalk that is generally found to be highly weathered at the upper levels. The alluvium was encountered at 250 to 300mm below ground level and comprised sandy clays that became softer, damper and more clayey with depth, with some angular gravel. Groundwater was encountered at around 1m below ground level in August 2017 in the test pits, which extended to 1.6m below ground level. Subsequent groundwater monitoring has shown groundwater levels rising to less than 700mm below ground level in January 2018.

Percolation tests carried out to BRE365 in two separate test holes provided a soil infiltration rate of 1.05×10^{-6} m/s in early December 2017 and 6.87×10^{-7} m/s in late January 2018.

We conclude that the site is not suitable for full SuDS drainage. The parking areas can be on permeable surfaces but we recommend that the roofs are connected to the public surface water sewer in Courtwick Lane.

Key

- Proposed surface water drainage 1000 at min 1:100
- 250 dia surface water inspection chamber
- 450 dia surface water inspection chamber
- Existing public foul water sewer
- Permeable paving

Plan
Scale 1:200

Rev.	Description	Drn.	Date
-	Original	RTFC	18.1.18

Project	Sunnymeade Courtwick lane Littlehampton
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Client	Ware Builders Ltd
Drawing Title	Surface Water Drainage

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Drawing Number	1754/D1.2	Revision	-	