

KEY

- Proposed storm drainage
100mm dia at min 1:100
- Proposed silt trap inspection chamber
- Proposed geocellular soakaway
21sq.m of 0.4m deep geocells
- New extension to be drained to
geocell G1
- Existing roof areas to be drained
to geocell G1
- +7.873 Existing ground levels in meters AOD
- SL 7.480 Soffit (top) level of geocells
- BL 7.080 Base level of geocells
- IL 7.480 Invert level of surface water drains

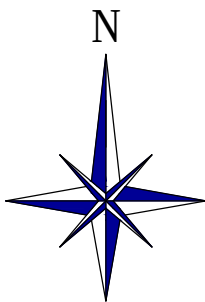
Surface Water Drainage Design Notes

Ground conditions here comprise Topsoil over River Terrace Deposits of sand, silt and clay over 'bedrock' of London Clay. The River Terrace Deposits were encountered at 200mm below ground level and were found to comprise silty clays with some coarse gravel that became more clayey and gravelly with depth. Groundwater was encountered in the test pits at 815mm below ground level in late January 2018.

The drainage design is based on percolation tests carried out to BRE 365 principles in two separate test holes in late January 2018. A minimum soil infiltration rate of 1.57×10^{-5} m/s was obtained.

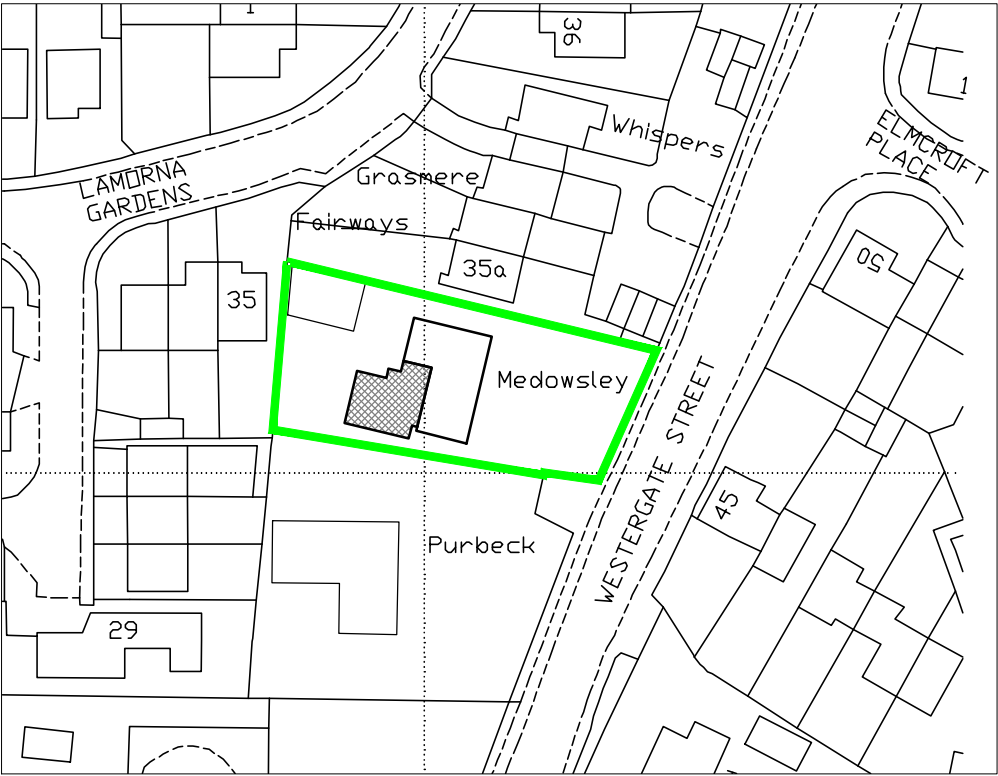
A 21m² shallow geocellular soakaway 400mm deep is proposed to drain the new roof area of 79m² together with existing roof areas of 83m² which have been included due to the loss of an existing soakaway.

Note: Leaf guards to be provided on all gutter outlets to protect geocell

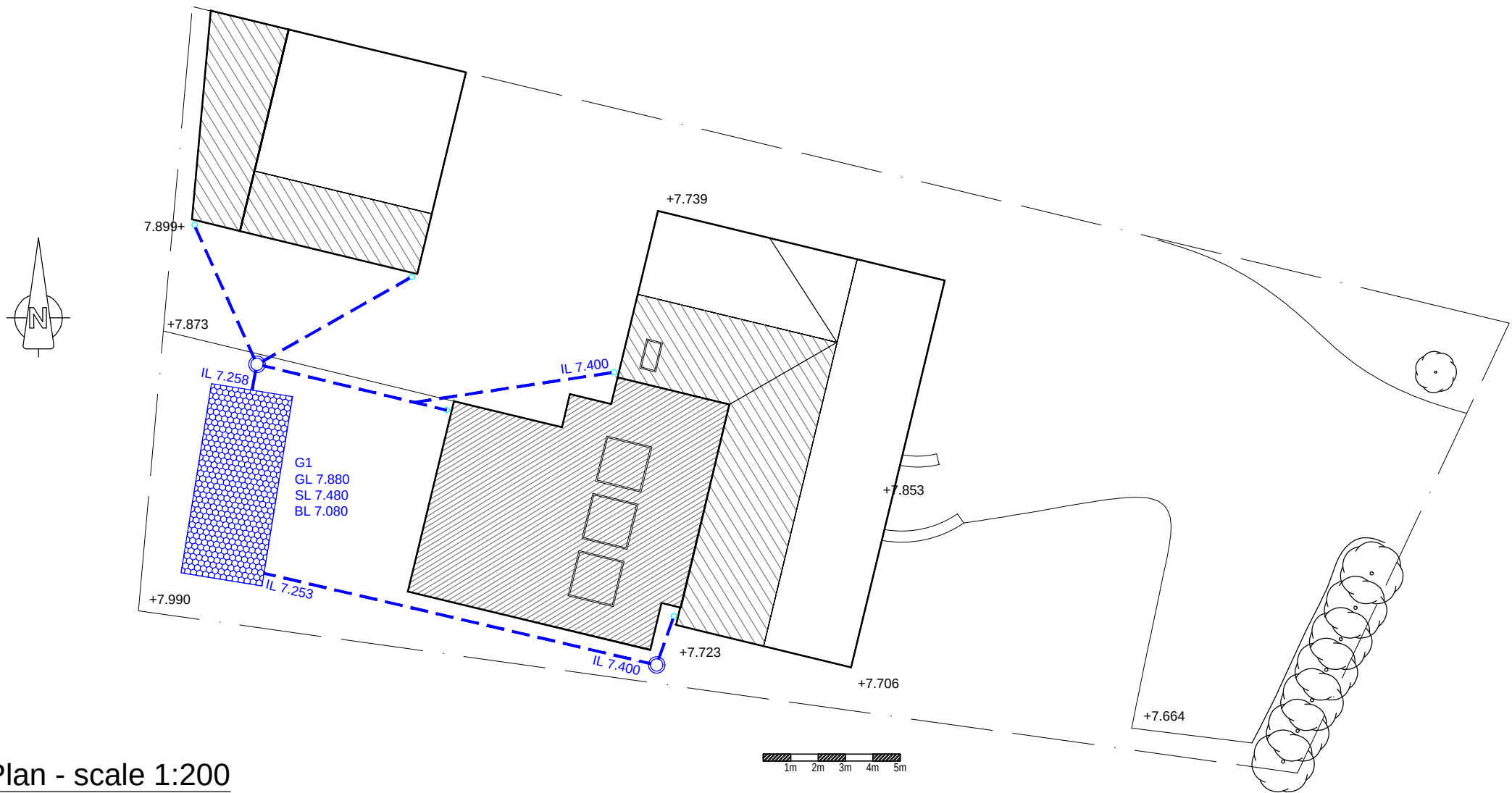


NOTE

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



Location plan - scale 1:1000



Plan - scale 1:200

-	Original	RTFC	3.2.18
Rev.	Description	Drn.	Date

Project
Medowsley Westergate Street Westergate, W.Sussex

Client
Andy Kirk
Drawing Title
Surface Water Drainage

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Scale	As shown	At original	A3
Drawing Number	1777/D1.1	Revision	-