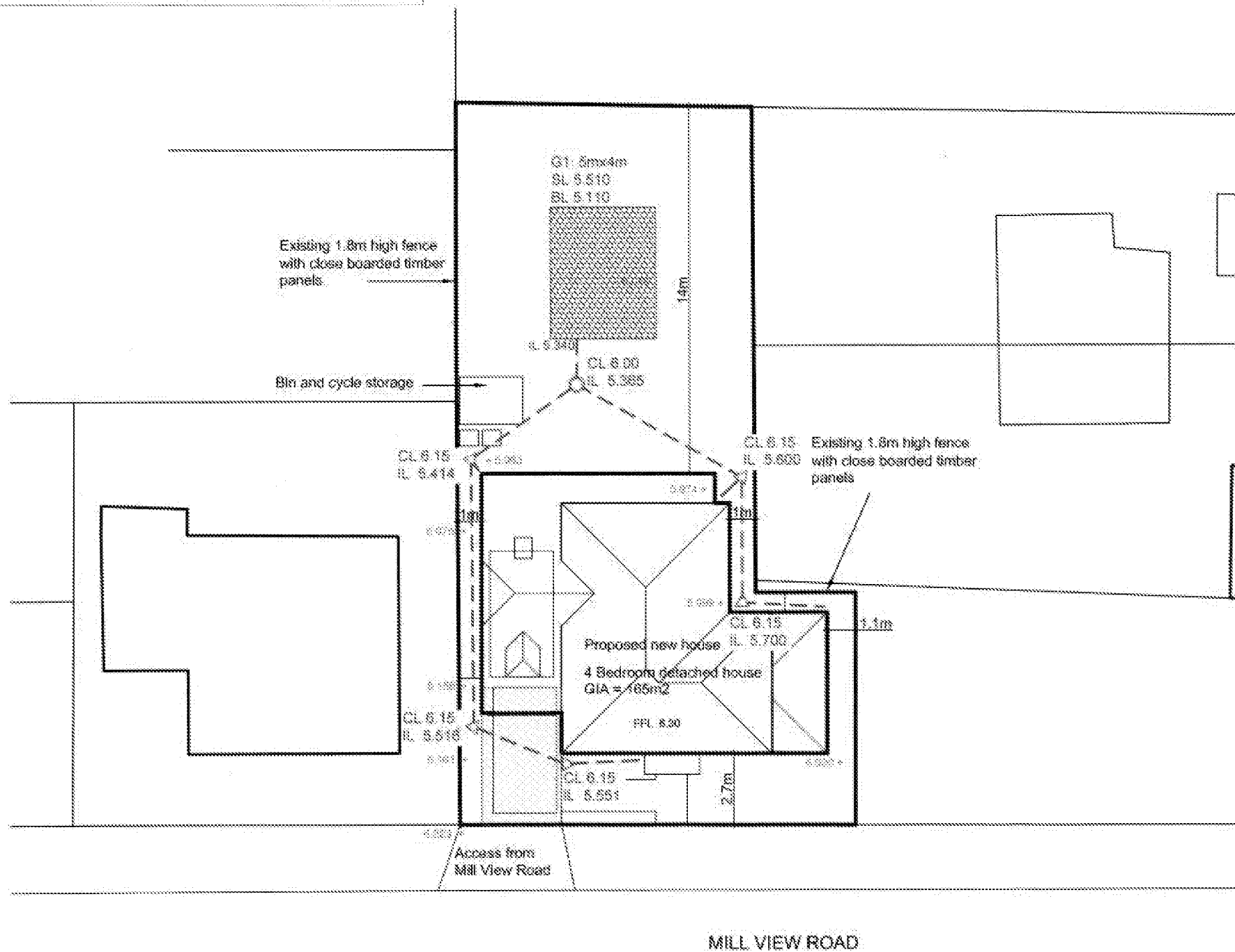
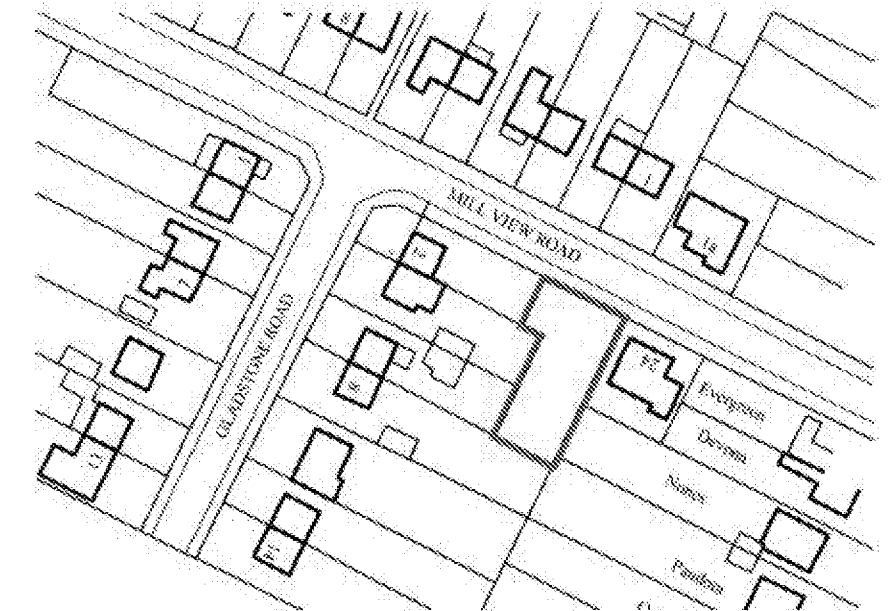


NOTE

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



Plan - scale 1:200



Location Plan - scale 1:1250

Surface Water Drainage Design Notes

Ground conditions here comprise Topsoil over Brickearth/River Terrace Deposits (soft to firm silty sandy clays) over upper chalk. The River Terrace Deposits were found at 0.22m below ground level and were found to comprise soft to firm silt and silt clays with some gravel and occasional large flints, becoming variable with some sand at depth. The chalk was not encountered in test holes that extended to 1.45m below ground level. Groundwater was not encountered during the investigations in early June 2018 but was noted at 1.74m depth (4.663m AOD) in a groundwater monitoring point in an adjacent field.

The drainage design is based on percolation tests carried out to BRE365 principles in two separate test holes in early June 2018. An average soil infiltration rate of 5.827×10^{-6} m/s was obtained, to which a factor of safety of 2.5 has been applied.

A shallow geocellular soakaway has been designed, 20sq.m in area x 0.4m deep, which will be suitable to drain the dwelling without flooding on a 1 in 100 year rainfall event + 40% climate change addition. The small front drive will be a permeable surface.

KEY

Proposed storm drainage
100mm dia at min 1:100

Proposed geocellular soakaway
20sq.m of 0.4m deep geocells

Existing ground levels in meters AOD

CL 6.000 Cover level of IC

SL 6.000 Soffit (top) level of geocell

BL 6.000 Base level of geocell soakaway

IL 6.000 Invert level of surface water drains

Permeable paving in concrete blocks,
Ecoblock 50 or similar - construction subject
to CBR testing

Proposed silt trap inspection chamber

Rev	Description	Dim	Date
Original		KTFC	14.6.18

Project	Land at Mill View Road Yapton
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Client	Mr. M Hopkins
Drawing Title	Surface Water Drainage

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Scale	As shown	A1 original	A3
Drawing Number	1795/SK1	Revision	-

