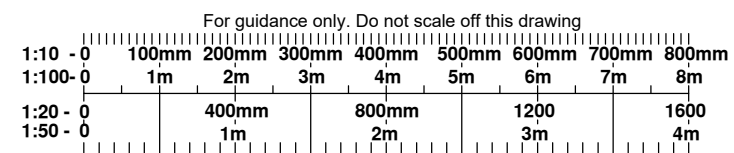


Notes:-



Do not scale from this drawing.

Site layout based on site layout and building layout drawings provided by the client.

Existing topographical information is based on survey information provided by the client.
Finished ground levels taken from MEA drawing 24-190-201.

This drawing is for approval/ discharge of condition purposes only. To be read in conjunction with Michael Evans and Associates drainage calculations. The drainage design should be agreed in writing with the LPA/ Building Control/ Lead Local Flood Authority prior to construction. Any construction works undertaken prior to approval is entirely at the clients own risk.

Surface water from the roof area of Building A will be directed to a rainwater harvesting system, and reused as process water for the washdown within Building B. Surface Water flows from the roof of Building A will, therefore, not contribute to the surface water discharges from the site, and will be held within the rainwater harvesting tanks, as designed and specified by the specialist contractor. An overflow from the rainwater harvesting tanks is included into the surface water drainage network, however this is not the preferred discharge route.

Calculations have confirmed that adequate storage is provided within the sub-base of the permeable paving (to a minimum depth of 400/450mm with 35% void ratio) to act as surface water attenuation and water treatment for events up to and including a 1 in 100 year + climate change event with a 5l/s discharge restriction. A flow control device is to be installed within Manhole S19 to restrict flows to 5 l/s prior to discharge into the watercourse.

No flooding is shown during a 1 in 100 year event. Some minor flooding is shown during a 1 in 100 year + climate change event. This flooding would be contained on site, and would follow overland flow routes to the landscaped areas of the site which would act as natural rain gardens. It is not anticipated that flooding would affect the building/ site use of any offsite areas.

All levels and services to be checked and confirmed on site.

Other services within this area to be checked prior to construction and the necessary amendments/precautions to be taken as required.

All drainage to be installed as per manufacturers guidance.

B	8.11.24	Building B FFL amended	ND
A	8.11.24	Amended following design team comments	ND
REV.	DATE	AMENDMENT	BY

CLIENT

Ravi and Rishi Dhir

PROJECT

Hall Farm, Altar Stones Lane
Markfield, LE67 9PX

DRAWING TITLE

Surface Water Drainage
Design

SCALE 1:250

SHEET SIZE A1



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DRAWN	ND	DRAWING NO.	Rev.
DATE	Oct. 2024	24-190-101	B

