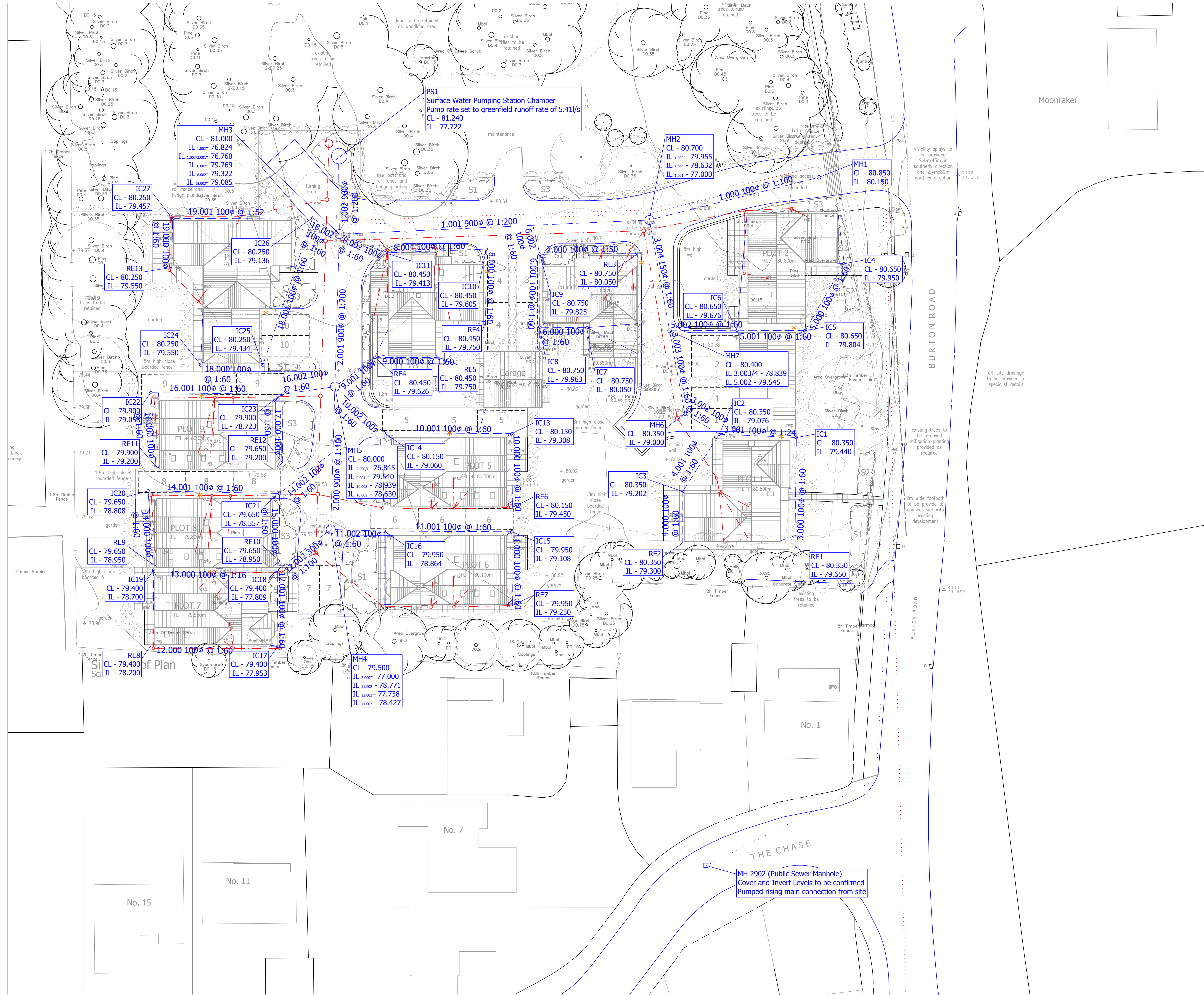
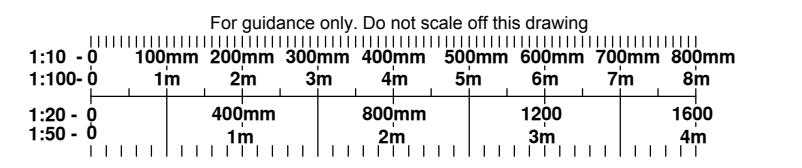




Notes:-



Do not scale from this drawing

Site layout based on architects drawing 17_3407_34 (July 2019).

This drawing is for planning purposes only, and does not constitute construction level information. All details are subject to planning approval and Severn Trent Water consent. No construction is to be undertaken until the required approvals are obtained in writing from the relevant authorities.

Infiltration testing has been undertaken at the site, which found that the ground infiltration rates are low and are unsuitable for the discharge of surface water to soakaway. There are no nearby watercourses, and so a surface water connection to watercourse is not practicable. Therefore, it is proposed to connect surface water from the site to the nearby public sewer network. It is not possible to make such a connection by gravity, and so a pumped drainage outlet is proposed.

Surface water from the site will be discharge from the site at a pumped rate of 5.41l/s, which is the calculated greenfield runoff rate from the site. Surface water in excess of this rate will be attenuated on site for events up to and including the 1 in 100 year + 40% climate change rainfall event. Attenuation will be provided in oversized pipes within the roadway, as illustrated within the approved drainage strategy previously submitted with the planning application.

Detailed drainage modelling confirms that there is no surcharging of the network for the 1 in 2 year rainfall event. There is no flooding from the drainage network for the 1 in 30 year events or the 1 in 100 year events. There is some minimal flooding from the network during the 1 in 100 year + 40% climate change events, but this flooding is within private gardens and will be contained within the site at a shallow depth, and will not affect the buildings on or off the site.

Pump Station to be designed by specialist designer.

- Key
- Proposed Surface Water Manhole
 - Proposed Surface Water Drain/Sewer
 - Proposed Surface Water Rising Main Route
 - Existing Public Surface Water Sewer Manhole (approximate position)
 - Proposed Foul Water Manhole
 - Proposed Foul Water Drain/Sewer
 - Proposed Foul Water Rising Main Route
 - Existing Public Foul Sewer Manhole (approximate position)

REV.	DATE	AMENDMENT	BY
CLIENT			

Lychgate Homes

PROJECT

Proposed Development at

Burton Road, Rosliston

DRAWING TITLE

Proposed Surface Water

Drainage Layout

SCALE 1:200 SHEET SIZE A1

 **MICHAEL EVANS**
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DRAWN	ND	DRAWING NO.	Rev.
DATE	Sent 10	19-351-001	-