



Appendix 10.3

Noise Survey Methodology

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Noise Measurement Position 1

Located 13.5m from the centre of Redbourn Road from 12:45 - 15:45 on 8th January 2025 in free-field conditions and in line with the procedure set out in CTRN. The noise climate at the measurement position was dominated by road traffic vehicles using Redbourn Road.

The procedure prescribed in CRTN requires noise measurements to be completed over a three consecutive 1 hour periods between the hours of 10:00 – 17:00, with the wider average 16hr daytime and 8hr night-time noise levels being calculated thereafter. The maximum noise level used to inform the night-time assessment has been taken as the 10th highest measured maximum noise level from the 3hr noise measurement.

Noise Measurement Position 2

Located 22m from the centre of the M1 Motorway from 12:30 on 7th January – 12:30 on 8th January 2025 in free-field conditions. The noise climate at the measurement position was dominated by road traffic vehicles using the Motorway.

Given the significant level of noise associated with the Motorway, a full 24hr noise measurement was completed in order to measure the 16hr daytime and 8hr night-time noise levels.

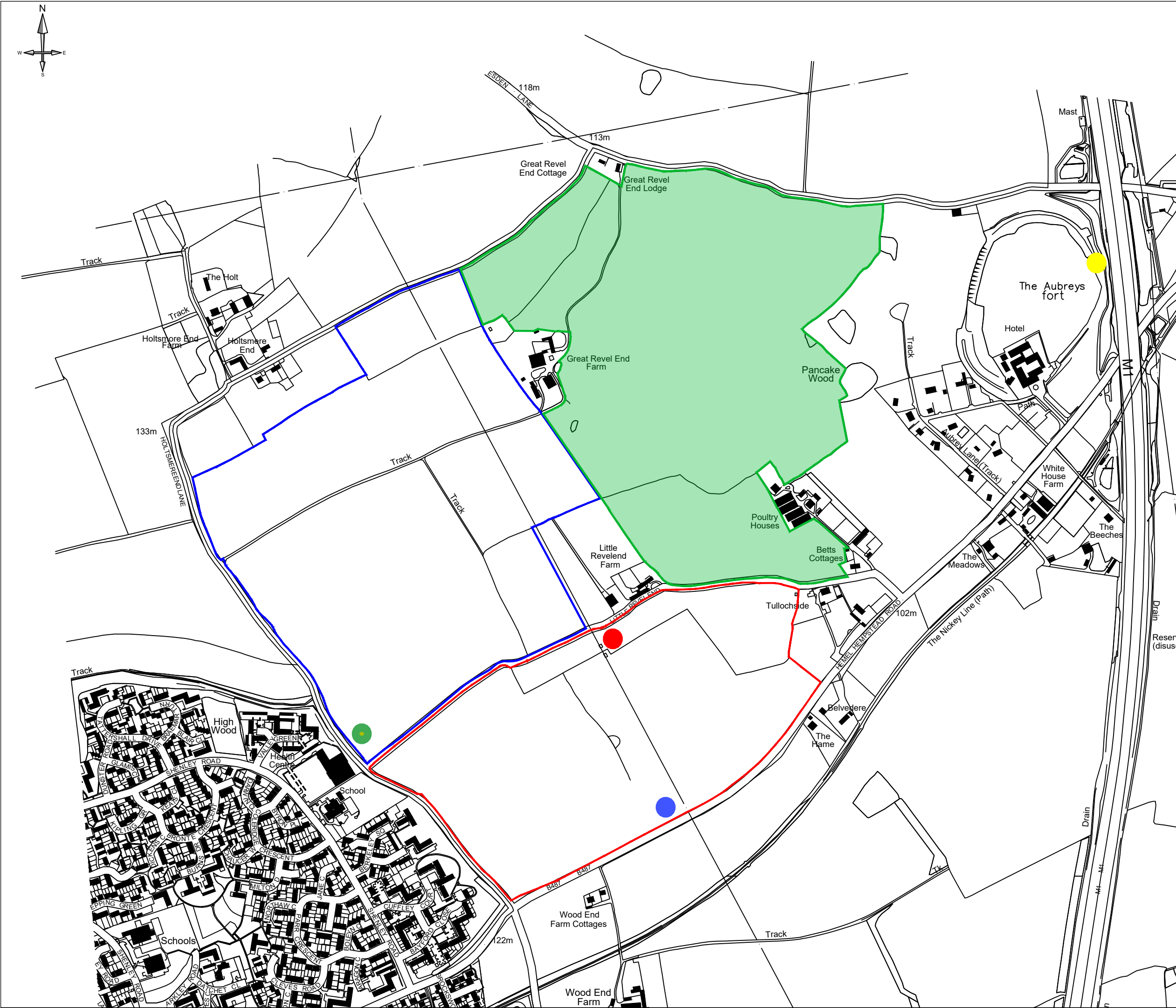
Noise Measurement Position 3

Located 34m from the boundary with the supermarket service yard from 13:00 on 7th January - 13:00 on 8th January 2025 in free-field conditions. The noise climate at the measurement position was comprised of distant road traffic noise and intermittent noise from school pupils using the outdoor area of the nearby primary school. There was no discernible noise associated with activity at the service yard. This noise measurement position was also used for the measurement of background noise levels

The audio feature on the sound level meter was used in order to analyse the measured noise levels to identify the various measured noise sources.

Noise Measurement Position 4

Located 4m from the electricity sub-station between 13:25 – 13:27 on 8th January 2025 in free-field conditions. The noise level from the substation was a constant and steady-state and a short-term noise measurement was considered acceptable to obtain a representative noise measurement.



Notes

1- Do not scale from this plan.

	Ha	Acre
North Site Area:	50.2	124.0
South Site Area:	35.6	88.0
Total Area:	82.8	204.6

Key

- Northern Site Boundary
- Southern Site Boundary
- Potential SANG Area (50.9 ha / 125.8 ac)
- Unattended Road Traffic Noise
- Attended Road Traffic Noise
- Attended Substation Noise
- Unattended Delivery Yard / School Noise

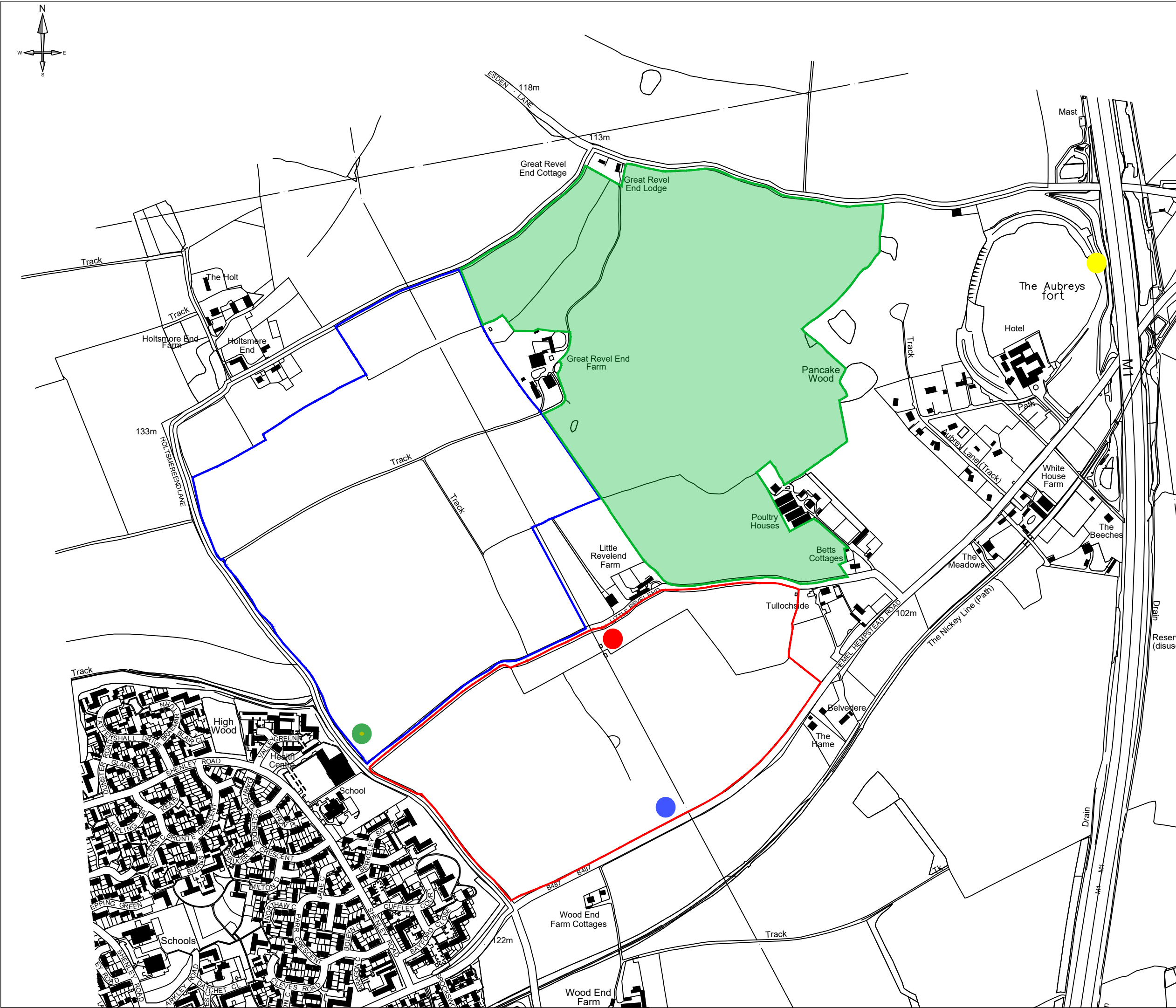


Pigeon Investment Management Ltd
Linden Square
146 King's Road
Bury St Edmunds
IP33 3DJ

Project
Redbourn Road, Hemel Hempstead

Drawing Title
Site Location Plan

Drawn	Check	Scale	@
PMA	RB	1:7,500	A3
Date	Drawing No	Rev	
21/01/2019	0093/100_002	B	



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