

The Red Lion Public House Rusthall

Environmental Noise Survey and Acoustic Design Statement Report

25348/NIA1

17 September 2018

For:
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Environmental Noise Survey and Noise Impact Assessment Report 25348/NIA1

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Appendix A – Acoustic Terminology

Specification for Small Acoustic Enclosure

25348/AS1 Attenuator Schedule

Time History Graphs 25348/TH1.1 to 25348/TH2.1



1.0 Introduction

The owner of The Red Lion Public House in Rusthall is considering developing a row of three attached houses on surplus land to the west of the main public house building.

Hann Tucker Associates have therefore been commissioned to undertake an environmental noise survey and assess the likely operational noise emissions from the pub with regards to the predicted impact on the proposed new residencies.

This report presents the methodology and findings of our noise survey and our assessment will consider noise breakout from the main pub building and noise from the pub garden.

2.0 Objectives

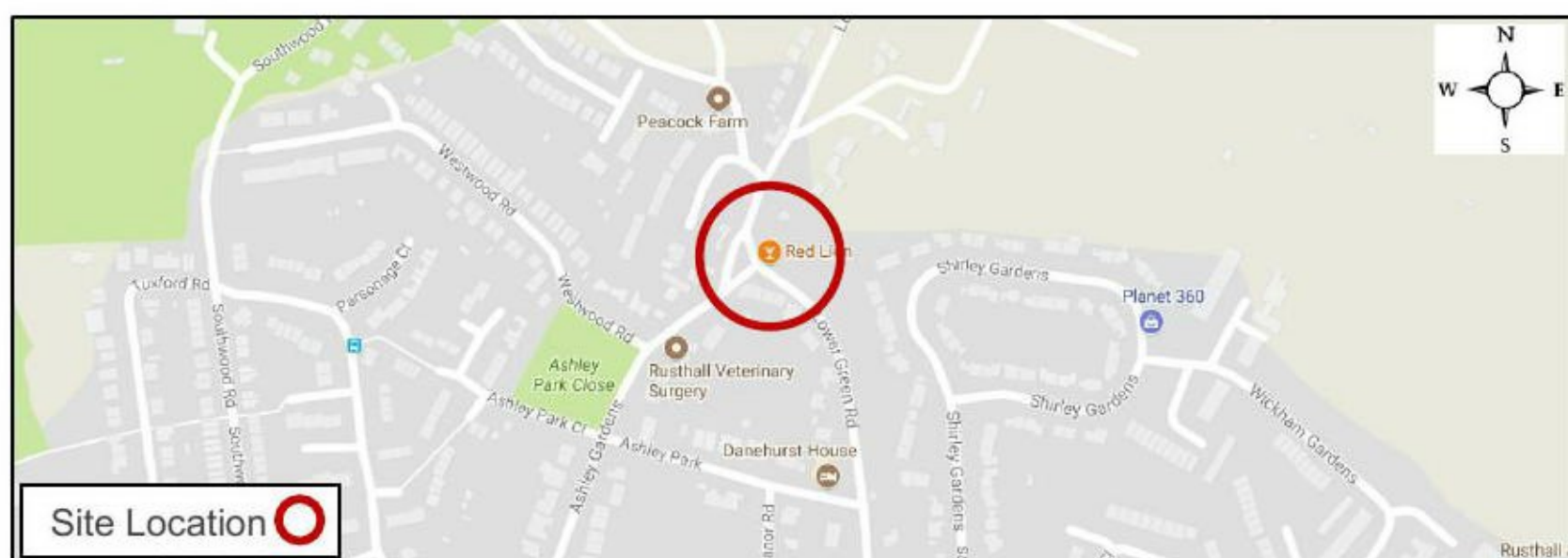
To undertake an environmental noise survey to establish the existing L_{AMax} , L_{Aeq} and L_{A90} environmental road, rail and air traffic noise levels.

To assess the likely noise impact of The Red Lion Public House on the proposed new residencies including noise emanating from the public house, from the beer garden and from any associated mechanical plant.

3.0 Site Description

3.1 Location

The site is a two storey public house situated on Lower Green Road in Rusthall. Neighbouring properties are predominantly residential and the new buildings are proposed for the surplus land to the west. The site falls within the jurisdiction of Tunbridge Wells Borough Council and can be seen in the location plan below.



Site Location (Map data ©2017 Google)



3.2 Description

The Red Lion is bounded by Lowe Green Road to the south and west, residential properties to the north and the surplus land earmarked for building to the west.



Satellite View of Site (Map Data © 2018 Google.)



Site plan showing locations of proposed buildings (courtesy of CDP Architecture Ltd)



4.0 Acoustic Terminology

For an explanation of the acoustic terminology used in this report please refer to Appendix A enclosed.

5.0 Methodology

The survey was undertaken by Richard P Booth MSc, MIOA.

5.1 Procedure

Fully automated environmental noise monitoring was undertaken from approximately 14:30 hours on Thursday 15th March 2018 to 12:50 hours on Monday 19th March October 2018.

During the periods we were on site the wind conditions were calm and the sky was generally patchy cloud. We understand that generally throughout the survey period the weather conditions were similar to this, however, on Saturday 17th March 2018 there was some snowfall in the area. These conditions are considered suitable for obtaining representative measurement results.

Measurements were taken continuously of the A-weighted (dBA) L_{90} , L_{eq} and L_{AMax} sound pressure levels over 5 minute periods.

5.2 Measurement Positions

The noise level measurements were undertaken at two positions as described in the table below.

Position No	Description
1	The microphone was attached to a pole approximately three metres above ground level to the north of the site.
2	The microphone was attached to a pole approximately two metres above ground level to the south of the site.