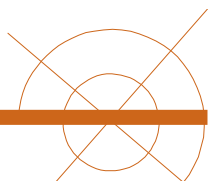


**21 BOSCASTLE ROAD
AMBIENT NOISE SURVEY**

Monitoring Report
SES-9518-RP-N-001
Revision Number: 001

Date of survey: 14th November 2016

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21 Boscastle Road – Ambient Noise Survey

Introduction

The site at 21 Boscastle Road is to undergo extensive redevelopment. A basement excavation is proposed along with a refurbishment of the entire property.

The purpose of this measurement was to gain an understanding of the ambient & background noise levels in the local area in the absence of any construction works. These recorded levels can then be used to understand the maximum values the construction site can produce without creating a nuisance.

Name of Person Undertaking Measurement

Carl Clarke – Site Engineering Surveys Ltd

Date of Measurement

14th November 2016

Time of Measurement

12:26 hrs to 14:50 hrs



Location

Location 1 – Boscastle Road.

Location 2 – 21 Boscastle Road, Rear Garden.



At location 1, measurements were taken at the kerbside opposite 21 Boscastle Road. The main sources creating the residual noise levels consist of pedestrian activity and vehicular movements along Boscastle Road. The Sound level meter was positioned on a tripod approx 1.2m above ground level & orientated towards the construction site, which was located directly South West of location 1 at a distance of approximately 10m. There were no factors influencing sound propagation or potential interference from noise sources that are not typically present.

At location 2, measurements were taken in the rear garden of 21 Boscastle Road. The main sources creating the residual noise levels were gardening tools from neighbouring properties. The Sound level meter was positioned on a tripod approx 1.2m above ground level & orientated East towards the main property at 21 Boscastle Road. There were no factors influencing sound propagation or potential interference from noise sources that are not typically present.



Weather Conditions

Conditions were overcast including at times, light showers. The temperature at both locations was approx 11 degrees Celsius. Wind speed at location 1 was 9mph & 5mph at location 2, both in a West-south-westerly direction.

Conditions were suitable for noise measurements to be taken in accordance with British Standard guidelines.

Description of Instrumentation

Sound Level Meter: Class 1 Rion NL-32 – Serial number RI161688.

Microphone: UC-53A-309762 NH-21-18461

Calibrator: Rion NC-74 – Serial number RI50141011

Start Calibration Level: 94dB

End Calibration Level: 93.9dB

The entire measurement equipment was calibrated fully by an UKAS accredited laboratory on 4th August 2015.

Measurement Procedure

The measurements at both locations were taken in absence of construction site activity to establish the ambient & background noise levels. At each location, the residual noise level (LAeq) was recorded for 1 hour along with the background noise level (LA90). Additional parameters including LAmin and LAmx were also recorded. All measurements were A-weighted and set to FAST. Throughout the measurement there were no interruptions or events that could influence the accuracy of the results and therefore the results can be considered free from contamination.



Results

<u>Ambient Noise Levels (LAeq)</u>	
Boscastle Road (Location 1) Measurement Time: 1226 - 1326	59.3 = 59dB
21 Boscastle Road Rear Garden (Location 2) Measurement Time: 1350 - 1450	47dB

<u>Background Noise Levels (LA90)</u>	
Boscastle Road (Location 1) Measurement Time: 1226 - 1326	42.7 = 43dB
21 Boscastle Road Rear Garden (Location 2) Measurement Time: 1350 - 1450	40.4 = 40dB

<u>Additional Parameter (LAmin)</u>	
Boscastle Road (Location 1) Measurement Time: 1226 - 1326	40.1 = 40dB
21 Boscastle Road Rear Garden (Location 2) Measurement Time: 1350 - 1450	37.7 = 38dB

<u>Additional Parameter (LAmax)</u>	
Boscastle Road (Location 1) Measurement Time: 1226 - 1326	84.8 = 85dB
21 Boscastle Road Rear Garden (Location 2) Measurement Time: 1350 - 1450	73.2 = 73dB

