7TH WAVE ACOUSTICS

# Acoustic Report

## 11 Montague Place, Worthing
## Residential Development
## Noise Impact Assessment

Final Report v2
21st August 2025

1232.001R.3.0.JP

**Project** **11 Montague Place, Worthing**
**Noise Impact Assessment: Residential Development**

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# 1 INTRODUCTION

7th Wave Acoustics was commissioned by Connaught House Ltd in July 2025 to prepare an acoustic report for the proposed residential development at 11 Montague Place, Worthing, West Sussex, BN11 3BG.

The noise impact assessment has been carried out, using noise criteria contained in British Standards BS 8233:2014 and World Health Organisation guidelines on noise.

The findings of the assessment are reported herein.

## 2 SITE AND DEVELOPMENT DESCRIPTION

Existing Site

The site at 11 Montague Place, Worthing comprises a four-storey mid-terraced building with an additional basement floor and loft space. The site falls within the jurisdiction of Worthing Borough Council (WBC).

The location of the site is shown in Figure A1 of Appendix A.

The area is predominantly commercial in nature, consisting mainly of retail outlets and restaurants. Montague Place itself is a pedestrianised area with limited access for vehicles, with the seafront and Worthing lido located opposite the site.

The site at 11 Montague Place has previously been used as a hair and beauty salon together with storage and ancillary areas across all floors.

Proposed Development

The proposal is for a change of use of part ground floor and upper floors from commercial (Class E) to four self-contained residential units (Use Class C3) with a shopfront alteration.

The existing and proposed floor plans and elevations are presented in Figures A2 and A8 of Appendix A.

It is understood that, where possible, the existing glazing of the building is to remain in-situ.

Subjective Observations

Observations made during the noise survey indicated that the main source of noise impacting the front of the development site was pedestrian activity on Montague Place and vehicles passing on Marine Parade.

At the time of the survey construction works were being undertaken on Montague Place directly to the front of the site. However, there was no observed noise from the works whilst the consultants were on site.

At the rear of site, the sound of distant road traffic and various items of fixed commercial plant was observed, including air handling units associated with the surrounding commercial premises.

Other sources of environmental noise included the sound of seagulls.

# 3 PLANNING POLICY CONTEXT

## 3.1 National Planning Policy Framework

The National Planning Policy Framework (NPPF)[1] sets out the Governments planning policies for England and how these are expected to be applied. It does not present specific noise criteria to be applied but does provide the following statements regarding noise impacts:

*"15. Conserving and enhancing the natural environment*

> *187. Planning policies and decisions should contribute to and enhance the natural and local environment by:* [bullet points reduced to those regarding noise only]
>
> > *(e) Preventing new and existing development from contributing to, being put at unacceptable risk from, or being adversely affected by, unacceptable levels of soil, air, water or noise pollution or land instability. Development should, wherever possible, help to improve local environmental conditions such as air and water quality, taking into account relevant information such as river basin management plans.*
>
> *198. Planning policies and decisions should ensure that new development is appropriate for its location taking into account the likely effects (including cumulative effects) of pollution on health, living conditions and the natural environment, as well as the potential sensitivity of the site or the wider area to impacts that could arise from the development. In doing so they should:*
>
> > *(a) Mitigate and reduce to a minimum potential adverse impacts resulting from noise from new development – and avoid noise giving rise to significant adverse impacts on health and quality of life; and*
> >
> > *(b) Identify and protect areas of tranquillity which have remained relatively undisturbed by noise and are prized for their recreational and amenity value for this reason.*
>
> *200. Planning policies and decisions should ensure that new development can be integrated effectively with existing businesses and community facilities (such as places of worship, pubs, music venues and sports clubs). Existing businesses and facilities should not have unreasonable restrictions placed on them as a result of development permitted after they were established. Where the operation of an existing business or community facility could have a significant adverse effect on new development (including changes of use) in its vicinity, the applicant (or 'agent of change') should be required to provide suitable mitigation before the development has been completed.*
>
> *201. The focus of planning policies and decisions should be on whether proposed development is an acceptable use of land, rather than the control of processes or emissions (where these are subject to separate pollution control regimes). Planning decisions should assume that these regimes will operate effectively. Equally, where a planning decision has been made on a particular development, the planning issues should not be revisited through the permitting regimes operated by pollution control authorities.*

The NPPF refers to the Noise Policy Statement for England[2] for the derivation of significant adverse impacts.

### 3.2 Noise Policy Statement for England

This document[2], which has been approved at Government level sets out 3 aims for noise control.

First aim

Avoid significant adverse impacts on health and quality of life from environmental, neighbour and neighbourhood noise within the context of Government policy on sustainable development.

The first aim of the NPSE states that significant adverse effects on health and quality of life should be avoided while also taking into account the guiding principles of sustainable development.

Second aim

Mitigate and minimise adverse impacts on health and quality of life from environment, neighbour and neighbourhood noise within the context of Government policy on sustainable development.

The second aim of the NPSE refers to the situation where the impact lies somewhere between LOAEL and SOAEL. It requires that all reasonable steps should be taken to mitigate and minimise adverse effects on health and quality of life whilst also taking into account the guiding principles of sustainable development. This does not mean that such adverse impacts cannot occur.

LOAEL – Lowest Observed Adverse Effect Level: This is the level above which adverse effects on health and quality of life can be detected.

SOAEL – Significant Observed Adverse Effect Level: This is the level above which significant adverse effects on health and quality of life occur.

Third aim

Where possible, contribute to the improvement of health and quality of life through the effective management and control of environmental, neighbour and neighbourhood noise within the context of Government policy of sustainable development.

This aim seeks, where possible, positively to improve health and quality of life through the effective management and control of environmental, neighbour and neighbourhood noise within the context of Government policy on sustainable development.

### 3.3 Local Authority Requirements

Local Authorities in Sussex, (including Worthing Borough Council), have produced a planning guidance document 'Planning Noise Advice Document – Sussex[3] which sets out the required approach for undertaking a noise assessment, for certain types of development.

For new residential dwellings, the guidance refers to British Standard BS 8233:2014 and WHO (2009).

# 4 NOISE UNITS, METHODOLOGY & ASSESSMENT CRITERIA

## 4.1 Noise Units

There is a million to one ratio between the threshold of hearing and the highest tolerable sound pressure. Noise is therefore measured using a logarithmic scale, to account for this wide range, called the decibel (dB). Noise is defined as unwanted sound and the range of audible sound varies from around 0 dB to 140 dB.

The human ear is capable of detecting sound over a range of frequencies from around 20 Hz to 20 kHz; however, its response varies depending on the frequency and is most sensitive to sounds in the mid frequency range of 1 kHz to 5 kHz. Instrumentation used to measure noise is, therefore, weighted across the frequency bands to represent the sensitivity of the ear. This is called 'A weighting' and is represented as dB(A).

It is generally accepted that a change in noise level of 1 dB is not perceptible by the normal ear under normal conditions, a 3 dB change is just perceptible, whilst a change of 10 dB is perceived as a doubling or halving of the noise level.

An indication of the range of noise levels commonly found in the environment is given below in Table 4.1.

**Table 4.1: Typical Noise Levels**

| Typical Noise Level dB(A) | Example |
|---|---|
| 0 | Threshold of hearing |
| 30 | Rural area at night |
| 40 | Residential area at night |
| 60 | Conversation |
| 80 | Inside general factory premises |
| 100 | Near to pneumatic hammer |
| 120 | Near to speaker at rock concert |
| 140 | Threshold of pain |

A number of different indices are used to describe the fluctuations in noise level over certain time periods. The main indices include:

$L_{A90,T}$ This is the noise level exceeded for 90% of the measurement period and provides a measurement of the quieter 'lull' periods in between noise events. It is often referred to as the background noise level.

$L_{Aeq,T}$ This is the equivalent continuous A-weighted sound pressure level and is the level of a notional steady sound which has the same acoustic energy as the fluctuating sound over a specified time period, T. It is often used for measuring all sources of noise in the environment, which can be referred to as the ambient noise.

$L_{Amax,F}$ This is the maximum sound pressure level measured in a given time period with the sound level meter set to 'fast' response.

## 4.2 British Standard 8233:2014

BS 8233:2014 *Guidance on sound insulation and noise reduction for buildings*[4] gives recommendations for the control of noise in and around buildings. The Standard suggests appropriate criteria and limits for different situations to guide the design of new or refurbished buildings undergoing a change of use.

Desirable upper noise levels inside residential habitable rooms are specified in the Standard and are reproduced below in Table 4.2.

**Table 4.2: BS 8233 Indoor Ambient Noise Levels for Dwellings**

| Activity | Room | Ambient Indoor Noise Level 07:00 to 23:00 hrs, dB $L_{Aeq,16\ hr}$ | Ambient Indoor Noise Level 23:00 to 07:00 hrs, dB $L_{Aeq,8\ hr}$ |
|---|---|---|---|
| Resting | Living Room | 35 | - |
| Dining | Dining room/ area | 40 | - |
| Sleeping (daytime resting) | Bedroom | 35 | 30 |

For regular individual noise events, such as aircraft, BS 8233 indicates a guideline night-time level in terms of Sound Exposure ($L_{AE}$) or $L_{Amax,F}$ may be set depending on the character and number of noise events per night.

In external amenity spaces, such as private gardens and patios, BS 8233 indicates that it is desirable that the external noise level in these areas does not exceed 50 dB $L_{Aeq,T}$ with an upper guideline value of 55 dB $L_{Aeq,T}$ in noisier environments.

The standard does recognise that these guideline values for outdoor noise levels are not achievable in all circumstances where development might be desirable. In higher noise areas, such as in city centres or urban areas adjoining a strategic transport network a compromise between elevated noise levels and other factors, such as the convenience of living in these locations or making efficient use of land resources to ensure development needs can be met, might be warranted. In such a situation, development should be designed to achieve the lowest practicable levels in these external amenity spaces but should not be prohibited.

## 4.3 World Health Organisation

The most recent WHO guidelines *'Environmental Noise Guidelines for the European Region'* [5] acknowledge that 'single event noise indicators such as the maximum sound pressure level are warranted in specific situations such as night time railway or aircraft noise events that can clearly elicit awakenings', however, the guidance indicates that 'the relationship between different types of single-event noise indicators and long-term health outcomes at the population level remains tentative' and therefore does not make any recommendations for single event noise indicators.

However, guideline values for community noise in specific environments are presented in the WHO's *'Guidelines for Community Noise'*[6] document. The guideline values are presented in Table 4.3.

**Table 4.3: WHO Guideline Values**

| Specific Environment | Critical Health Effect(s) | dB $L_{Aeq,T}$ | Time Base hours | dB $L_{Amax,F}$ |
|---|---|---|---|---|
| Outdoor living area | Serious annoyance, daytime and evening | 55 | 16 | - |
| | Moderate annoyance, daytime and evening | 50 | 16 | - |
| Dwelling indoors | Speech intelligibility and moderate annoyance, daytime and evening | 35 | 16 | - |
| Inside bedrooms | Sleep disturbance, night-time | 30 | 8 | 45 |

Note 1: For a good sleep, the WHO states that indoor sound pressure levels should not exceed approximately 45 dB $L_{Amax}$ more than 10–15 times per night.

The Night Noise Guidelines (NNG) for Europe [7] is described as an extension of the WHO Guidelines for Community Noise publication. The threshold levels of noise exposure presented in the document are described as milestones in the process of evaluating the health consequences of environmental exposure. The health based guideline values for the assessment and control of night noise exposure were derived from a review of available scientific evidence on the health effects of night noise. These include the effects and threshold levels for night-time $L_{Amax,F,}$ which are lower than those presented in the WHO community noise guidelines. These revised levels are presented in Table 4.4 below.

**Table 4.4 WHO Night-Time Noise Guidelines**

| Effect | Description | Indicator | NOEL Threshold |
|---|---|---|---|
| Sleep Quality | Waking up in night and/or too early in the morning | dB $L_{Amax,F}$ | 42 |

## 4.4 Criteria Summary for the Noise Assessment

Taking into account the standard and guideline criteria discussed above, the noise impact assessment in this report will be undertaken in accordance with BS 8233:2014 to achieve internal noise levels which meet the desirable guideline values set out in Table 4.3 above.

The night-time internal guideline value of 42 dB $L_{Amax,F}$ specified by the WHO Night Noise Guidelines will be used for the assessment of regular (more than 10 times per night) individual night-time noise events.

BS4142:2014+A1:2019[8] is the latest iteration of a standard which was first published in 1967, designed to consider the effects of industrial and commercial sound at residential receptors.

BS 4142:2014+A1:2019 states that *"Where a new noise-sensitive receptor is introduced and there is extant industrial and/or commercial sound, it ought to be recognized that the industrial and/or commercial sound forms a component of the acoustic environment. In such circumstances other guidance and criteria in addition to or alternative to this standard can also inform the appropriateness of both introducing a new noise-sensitive receptor and the extent of required noise mitigation."*

As such, a standalone BS 4142 noise assessment of the commercial noise impacting the site has not been undertaken in this instance, and the noise impact assessment of the external commercial fixed plant noise has been undertaken in accordance with BS 8233:2014, as this is deemed to form part of the existing ambient noise levels at the rear of the site.

# 5 NOISE SURVEY AND ANALYSIS

## 5.1 Unattended Survey Details

Unattended continuous monitoring of existing noise levels was undertaken at the monitoring locations shown as LT1 and LT2 on Figures A1, A7 and A8 of Appendix A. The equipment used during the survey is presented in Table 5.1 below.

**Table 5.1: Noise Monitoring Equipment**

| Noise Monitoring Location | Manufacturer | Model No. | Description | Serial No. | Calibration Due Date |
|---|---|---|---|---|---|
| LT1 | Larson Davis | LxT | Sound Level Meter | 0004968 | April 2026 |
| LT2 | Larson Davis | LxT | Sound Level Meter | 0006489 | May 2027 |
| - | Larson Davis | CAL200 | Acoustic Calibrator | 12981 | April 2026 |

Measurements were obtained using the 'F' time weighting and A-weighting frequency network. The equipment was calibrated before and after the survey to generate a calibration level of 114.0 dB at 1 kHz.

15-minute measurements of $L_{Amax,F,}$ $L_{Aeq,15min}$ and $L_{A90,15min}$ noise levels were obtained at LT1 between 15:30 hrs on Monday 21st July and 09:15 hrs on Monday 28th July 2025, and at LT2 between 15:45 hrs on Monday 21st July and 05:00 hrs on Monday 28th July 2025. 1/1 octave band $L_{eq}$ and $L_{max,F}$ measurements were also obtained.

Both SLMs were powered by dry cell batteries and stored inside weatherproof security boxes.

The microphones at LT1 and LT2 were positioned at the front and rear of the building, respectively, out of the 2nd floor windows, approximately 8m above ground level. Both SLM's were placed inside the building and the microphone was positioned approximately 0.5m outside the window using extension poles.

At both positions the microphones were fitted with protective windscreens. The measurements were undertaken in façade conditions.

## 5.2 Attended Noise Monitoring

To provide an indication of the sound reduction afforded by the existing glazing at the front and rear of the building, synchronised external and internal noise measurements were made inside existing rooms at the front and rear of the building, with the windows closed.

The external noise measurements were made at positions LT1 (Front) and LT2 (Rear).

The internal noise measurements at the front of the building were made inside the existing first floor training salon. This location is labelled as ST1 on Figure A3 of Appendix A.

The internal noise measurements at the rear of the building were made inside the existing third floor training room. This location is labelled as ST2 on Figure A5 of Appendix A.

The synchronised external and internal noise measurements were obtained between 09:40hrs and 10:15hrs on Monday 28th July 2025 using the same equipment as presented in Table 5.1.

## 5.3 Weather Conditions

Weather conditions during the site visits are presented below in Table 5.2.

**Table 5.2: Weather Conditions during Site Visits**

| Site Visit | Date and Time | Noted Weather |
|---|---|---|
| Noise monitor setup | 15:30hrs 21/07/2025 | Dry with scattered cloud; windspeeds <0.5m/s; 22oC; 70% humidity. |
| Noise monitor retrieval and attended noise measurement | 09:30hrs 28/07/2025 | Dry; windspeeds <1.0m/s; 21oC; 55% humidity. |

A history of the weather conditions during the continuous noise survey period has been obtained from an internet source (www.wunderground.com).

Analysis of the data during the unattended noise survey shows a period of mainly dry weather. There was a period of rainfall on Wednesday 23rd July between 15:30hrs and 18:00hrs. Analysis of the dataset indicates there was no measurable increase in noise levels during this period of rainfall.

The weather conditions obtained for the noise survey period are summarised in Figure A9 of Appendix A.

## 5.4 Unattended Survey Analysis

The results of the unattended noise measurement surveys are presented graphically in Figures A10 and A11 of Appendix A, tabulated in Table B1 and B2 of Appendix B and summarised in Table 5.3 and 5.4 for LT1 and LT2, respectively.

There was a period of elevated noise levels between 22:00hrs and 22:15hrs on Saturday 26th July at both LT1 and LT2 which is considered spurious. As such, this period has been removed from the measurement data analysis. This period is highlighted in Figures A10 and A11 of Appendix A.

Observations made on site indicated that there was construction works at the front of the site on Montague Place, however, there was no observed noise from the works whilst the consultants were on site. Construction operatives indicated that works were undertaken between 08:00hrs and 17:00hrs Monday to Friday. There is no significant increase in $L_{Aeq,T}$ noise levels during these times. As such, no data has been removed from the analysis.

**Table 5.3: Summary Of Unattended Noise Measurements, LT1 (Front)**

| Day and Date | Measured Façade Noise Levels, dB | | | | | |
|---|---|---|---|---|---|---|
| | Daytime (07:00 - 23:00) | | | Night-time (23:00 - 07:00) | | |
| | $L_{Amax,F}$ | $L_{Aeq,16hr}$ | $L_{A90,16hr}$ | $L_{Amax,F}$ | $L_{Aeq,8hr}$ | $L_{A90,8hr}$ |
| Mon 21/07/25[1] | 83 (96 / 75) | 67 | 62 | 78 (89 / 71) | 61 | 50 |
| Tue 22/07/25 | 84 (97 / 76) | 67 | 62 | 76 (85 / 68) | 60 | 48 |
| Wed 23/07/25 | 87 (98 / 77) | 67 | 59 | 76 (85 / 69) | 60 | 46 |
| Thu 24/07/25 | 84 (99 / 75) | 67 | 59 | 76 (92 / 69) | 60 | 46 |
| Fri 25/07/25 | 87 (108 / 74) | 71 | 63 | 78 (93 / 70) | 60 | 49 |
| Sat 26/07/25 | 87 (105 / 77) | 70 | 65 | 77 (93 / 69) | 63 | 51 |
| Sun 27/07/25 | 86 (106 / 74) | 68 | 61 | 76 (96 / 63) | 61 | 49 |
| Mon 28/07/25[1] | 85 (94 / 74) | 67 | 59 | - | - | - |
| ***Average*** | ***85 (100 / 75)*** | ***68*** | ***61*** | ***77 (90 / 68)*** | ***61*** | ***48*** |

Note: [1] incomplete daytime period due to equipment setup / retrieval

The results of the unattended noise survey at LT1, in façade conditions at the front of the building, show that ambient daytime $L_{Aeq,16hr}$ sound levels, produced an arithmetic average of 68 dB $L_{Aeq,16hr}$. The ambient night-time $L_{Aeq,8hr}$ sound levels produced an arithmetic average of 61 dB $L_{Aeq,\ 8hr}$.

**Table 5.4: Summary Of Unattended Noise Measurements, LT2 (Rear)**

| Day and Date | Measured Façade Noise Levels, dB | | | | | |
|---|---|---|---|---|---|---|
| | Daytime (07:00 - 23:00) | | | Night-time (23:00 - 07:00) | | |
| | $L_{Amax,F}$ | $L_{Aeq,16hr}$ | $L_{A90,16hr}$ | $L_{Amax,F}$ | $L_{Aeq,8hr}$ | $L_{A90,8hr}$ |
| Mon 21/07/25[1] | 68 (79 / 57) | 55 | 53 | 66 (88 / 54) | 49 | 43 |
| Tue 22/07/25 | 69 (81 / 59) | 59 | 57 | 63 (76 / 51) | 49 | 42 |
| Wed 23/07/25 | 69 (79 / 61) | 58 | 55 | 63 (76 / 51) | 48 | 43 |
| Thu 24/07/25 | 71 (83 / 62) | 59 | 57 | 62 (74 / 54) | 53 | 52 |
| Fri 25/07/25 | 70 (90 / 61) | 59 | 57 | 64 (84 / 55) | 53 | 51 |
| Sat 26/07/25 | 71 (79 / 62) | 59 | 57 | 64 (77 / 55) | 56 | 51 |
| Sun 27/07/25 | 71 (88 / 59) | 59 | 57 | 63 (80 / 54) | 56 | 52 |
| Mon 21/07/25[2] | 68 (79 / 57) | 55 | 53 | 66 (88 / 54) | 49 | 43 |
| ***Average*** | ***70 (83 / 60)*** | ***58*** | ***56*** | ***64 (79 / 53)*** | ***52*** | ***48*** |

Notes:
[1] incomplete daytime period due to equipment setup / retrieval; and
[2] incomplete night-time period due to depleted battery.

The results of the unattended noise survey at LT2, in façade conditions at the rear of the building, show that ambient daytime $L_{Aeq,16hr}$ sound levels, produced an arithmetic average of 58 dB $L_{Aeq,16hr}$. The ambient night-time $L_{Aeq,8hr}$ sound levels produced an arithmetic average of 52 dB $L_{Aeq,\ 8hr}$.

The noise climate at the rear is governed primarily by sound from several different plant systems including air handling units and an extraction system, as evidenced in the noise data time history graph in Figure A11 in Appendix A. The main sources, which were observed to be a large extraction system, appears to be active between around 11:30 and 23:00 hours each day with some variation.

On Monday 21st, Tuesday 22nd and Wednesday 23rd July 2025, most nights, there was a drop-off in $L_{Aeq,T}$ and $L_{A90,T}$ levels between approximately 22:30 hrs and 08:00 hrs indicating that little or no plant sound was present during these periods. However, during these times on Thursday 24th, Friday 25th, Saturday 26th and Sunday 27th the data indicates items of plant remained active throughout the night.

Images showing the plant systems visible from the rear monitoring position LT2 are displayed on Figure 5.1 below.

**Figure 5.1: Plant at Rear of Building**

## 5.5 Attended Level-Difference Measurement Results

The results of the level-difference (external to internal) measurement taken at the front and rear of the building are shown in Tables 5.5 and 5.6.

**Table 5.5: Attended Level Difference Measurement Results – Front of Building**

| Item | 1/1-Octave Band Frequency, dB | | | | | | | $L_{Aeq,15min}$ dB |
|---|---|---|---|---|---|---|---|---|
| | 63 | 125 | 250 | 500 | 1k | 2k | 4k | |
| External Level: LT1 (Façade) dB $L_{eq,15min}$ | 76 | 68 | 68 | 64 | 65 | 62 | 56 | 69 |
| Internal Level dB $L_{eq,15min}$ | 64 | 57 | 48 | 39 | 36 | 33 | 27 | 46 |
| **Difference, dB** | -12 | -11 | -20 | -25 | -29 | -29 | -29 | -23 |

For the glazing at the front of the building, the difference in the overall measured A-Weighted level ($L_{Aeq,15min}$) was 23 dB. After applying a – 3 dB façade correction to the external façade level this equates to a free-field external-to-internal level difference of 20 dB.

**Table 5.6: Attended Level Difference Measurement Results – Rear of Building**

| Item | 1/1-Octave Band Frequency, dB | | | | | | | $L_{Aeq,15min}$ dB |
|---|---|---|---|---|---|---|---|---|
| | 63 | 125 | 250 | 500 | 1k | 2k | 4k | |
| External Level: LT2 (Façade), dB $L_{eq,15min}$ | 64 | 63 | 59 | 54 | 50 | 45 | 39 | 57 |
| Internal Level, dB $L_{eq,15min}$ | 38 | 39 | 40 | 31 | 20 | 17 | 10 | 34 |
| **Difference, dB** | -26 | -24 | -19 | -23 | -30 | -28 | -29 | -23 |

For the glazing at the rear of the building, the difference in the overall measured A-Weighted level ($L_{Aeq,15min}$) was also 23 dB. After applying a – 3 dB façade correction to the external façade level this equates to a free-field external-to-internal level difference of 20 dB.

## 5.6 Derivation of Representative Ambient Noise Levels

The results from the unattended noise measurements obtained at LT1 are representative of rooms of the proposed development at the front of the building whilst LT2 is representative of rooms at the rear.

The ambient noise levels adopted for the assessment are summarised in Table 5.7. The displayed levels are free-field levels, inclusive of a – 3 dB façade correction applied to the measured noise levels.

For assessment purposes, the front and rear façades have been assigned the receptor I.D.s R1 and R2, respectively.

**Table 5.7: Free-Field Ambient Noise Levels for Assessment**

| Receptor I.D. | Location | Representative Noise Monitoring Location | Adopted Free-field Ambient Noise Levels, $L_{Aeq,T}$ dB[1] | |
|---|---|---|---|---|
| | | | $L_{Aeq,16hr}$ | $L_{Aeq,8hr}$ |
| R1 | Front | LT1 | 65 | n/a [2] |
| R2 | Rear | LT2 | 55 | 49 |

[1] presented free-field levels are based on an assumed -3 dB façade correction.
[2] night-time noise levels not relevant to proposed room type.

# 6 NOISE ASSESSMENT

## 6.1 BS 8233 Assessment

Adopted Noise Criteria

BS 8233:2014 contains recommended guideline levels of 35 dB $L_{Aeq,T}$ for resting inside bedrooms and living rooms during the daytime, 40 dB $L_{Aeq,T}$ for dining areas and 30 dB $L_{Aeq,T}$ for sleeping inside bedrooms at night.

These target levels have been adopted for the rooms at the front and rear of the site.

Façade Sound Reductions

The external (free-field) to internal level-difference at the front of the building was established via measurement to be 20 dB.

The external (free-field) to internal level-difference at the rear of the building was also established via measurement to be 20 dB.

Assessment of Internal Noise Levels

Taking the sound reduction performance described above, internal noise levels have been predicted inside the dwellings, assuming windows are fully closed.

Internal noise levels have been calculated and are summarised in Table 6.1.

**Table 6.1: Assessment of Estimated Internal Noise Levels**

| Receptor I.D. | Location | Representative Noise Monitoring Location | Typical Daytime Free-Field Noise Level dB $L_{Aeq,16hr}$ | Estimated Daytime Internal Noise Level dB $L_{Aeq,16hr}$ | Typical Night-Time Free-Field Noise Level dB $L_{Aeq,8hr}$ | Estimated Night-Time Internal Noise Level dB $L_{Aeq,8hr}$ |
|---|---|---|---|---|---|---|
| R1 | Front | LT1 | 65 | 45 | - | - |
| R2 | Rear | LT2 | 55 | 35 | 49 | 29 |

Notes:
[1] internal levels based on a sound reduction of 20 dB with windows closed for rooms at the front and rear.

The noise predictions show that internal noise levels in the living areas at the front of the building exceed the BS 8233 daytime guideline value of 35 dB $L_{Aeq,T}$, with windows closed, assuming a sound reduction of 20 dB.

The internal noise levels predicted inside the habitable rooms at the rear of the building meet the BS 8233 daytime and night-time guideline values of 35 and 30 dB $L_{Aeq,T}$ respectively, with windows closed, based on a sound reduction of 20 dB.

Single Event $L_{Amax,F}$ Noise Levels

Maximum $L_{Amax,F}$ noise levels generated at night have also been considered at the proposed development site.

WHO guideline noise criteria set an internal sleep disturbance noise limit of 42 dB $L_{Amax,F}$ for the onset of critical health effects, which is a level which should not be exceeded on a regular basis. Based on an interpretation that for a noise to be regular, it needs to occur several (i.e., more than

two) times per hour, the $L_{Amax,F}$ noise needs to be based upon an average of at least 10-15 events that are typical in nature.

There are no proposed bedrooms at the front of the development. As such, the 1-minute $L_{Amax,F}$ noise data obtained from the unattended sound level meter (LT2) has been analysed to provide an indication of expected $L_{Amax,F}$ noise levels within the proposed bedrooms at the rear of the development site. The 90$^{th}$ percentile $L_{Amax,F}$ levels have been derived from the noise data at the LT2 monitoring position and is as follows.

- LT2 (Rear): 60 dB $L_{Amax,F}$.

This level is inclusive of a – 3 dB façade correction.

Based on the sound reduction described previously (20 dB for rooms at the rear), $L_{Amax,F}$ levels for assessment purposes inside bedrooms are as follows:

- Bedrooms (Rear): 40 dB $L_{Amax,F}$.

The predicted internal maximum noise levels meet the 42 dB $L_{Amax,F}$ internal noise limit within bedrooms at the rear of the site.

External Amenity Area Noise Assessment

BS 8233 indicates that it is desirable that the external noise level in these areas does not exceed 50 dB $L_{Aeq,T}$ with an upper guideline value of 55 dB $L_{Aeq,T}$ in noisier environments.

Review of the architectural plans indicates an external terrace area located to the rear of Flat 2 located at first floor level.

The $L_{Aeq,16hr}$ noise level derived for this position (R2) is 55 dB.

The upper guideline level of 55 dB $L_{Aeq,\ 16hrs}$ set out in BS 8233 is therefore met.

# 7 NOISE MITIGATION

## 7.1 Glazing Strategy

Based on the outcome of the noise assessment, an acoustic enhancement of the existing glazing systems will be required for habitable rooms at the front of the site.

At the front of the site, the simplest and most cost-effective approach would be to consider the installation of secondary glazing behind the existing frames, should the wall recess be deep enough. Ideally a minimum gap of 50mm would be needed between the existing frame and the secondary frame.

In order to provide an indication of the likely sound insulation performance that can be expected on site, the recommended modified system was modelled in a proprietary sound insulation modelling software INSUL V9.

The measured sound reduction of the current glazing system at the front has been used to calibrate the existing glazing system in the noise prediction model prior to adding an 80mm gap and the secondary glazing system consisting of 6mm clear glass.

The calculation predicts a sound reduction value of 36 dB $R_w$ for the front, as summarised below in Table 7.1.

**Table 7.1: Secondary Glazing System Sound Reduction ($R_w$)**

| Building Element | Indicative Glazing System | Source | $R_w$ |
|---|---|---|---|
| Modified Secondary Glazing System – **Front** | Existing Frame and glass / 80mm Gap / 6mm glass in independent frame | Insul | 36 |

Use of the above glazing enhancement would reduce the daytime noise levels (07:00 – 23:00 hrs), with windows closed, to below 35 dB $L_{Aeq,16hr,}$ meeting the BS 8233:2014 recommended guideline levels of 35 dB $L_{Aeq,T}$ for resting inside living rooms.

At the rear of the site, it is understood that the preferred option is for the existing glazing to remain in situ. As demonstrated in the Section 6, this glazing is sufficient to meet the adopted noise criteria.

## 7.2 Ventilation Strategy

The results have shown that with appropriate glazing, desirable internal conditions can be achieved. However, the development will also need to incorporate a background ventilation system, in compliance with Approved Document F[9].

The ventilation requirements set out in Approved Document F can be delivered by a natural ventilation system or a mechanical ventilation system or a combination of both.

It is understood that acoustically treated trickle ventilation using passive wall ventilators is the preferred option for the development.

The proposed product is displayed in Figure A12 of Appendix A.

## 7.3 Overheating

With regard to overheating, Approved Document O (ADO)[10] states that the building regulations relate to new build developments and not conversions. Therefore, further consideration is not needed.

## 7.4 Internal Sound Insulation

The proposed partitions separating the commercial and residential dwellings will need to adequately protect the future residents from the potential impact from the internal transfer of noise.

The minimum requirements set out in Approved Document E[11] are designed to offer a reasonable resistance to the passage of sound between residential dwellings. For partitions that separate spaces used for normal domestic and non-domestic purposes, the regulation states that 'a higher standard of sound insulation may be required'. In these situations, the appropriate level of sound insulation will depend on the noise generated in the non-domestic spaces.

A commercial unit is located on the ground floor towards the front of the development site, with rooms adjoining residential dwellings internally to the rear of the commercial area and above.

Other commercial premises are also adjoining the site to the north and south at ground level, whilst the rooms on the upper floors adjoining the site on the northern and southern side are also potentially used for commercial purposes.

As such, it is recommended that any separating partitions are designed to achieve a minimum of +5dB above the Building Regulation requirements, to provide additional assurances that any noise from the non-domestic activities do not result in adverse impacts in the proposed dwellings.

It could be conditioned as part of any planning approval, to request a scheme of design to demonstrate that this level can be achieved.

# 8 SUMMARY AND CONCLUSIONS

7th Wave Acoustics was commissioned by Connaught House Ltd in July 2025 to prepare an acoustic report for the proposed residential development at 11 Montague Place, Worthing, West Sussex, BN11 3BG.

The proposal is for a change of use of part ground floor and upper floors from commercial (Class E) to four self-contained residential units (Use Class C3) with a shopfront alteration.

The existing noise environment has been established, which is considered representative of the development site, through unattended noise monitoring at the front and rear of the building.

Synchronised external and internal noise measurements were also made to provide an indication of the sound reduction afforded by the existing glazing systems at the front and rear of the site.

Observations made during the noise survey identified that the main source of noise impacting the front of the development site was pedestrian activity on Montague Place and vehicles passing on Marine Parade.

At the rear of site, the sound of various items of fixed commercial plant was observed, including air handling units associated with the surrounding commercial premises along with distant road traffic noise.

An assessment of predicted internal noise levels at the front of the site, from external noise sources impacting the development site, will exceed recommended guideline levels prescribed in BS 8233:2014, with the existing glazing system installed at the property.

BS 4142:2014+A1:2019 states that *"Where a new noise-sensitive receptor is introduced and there is extant industrial and/or commercial sound, it ought to be recognised that the industrial and/or commercial sound forms a component of the acoustic environment. In such circumstances other guidance and criteria in addition to or alternative to this standard can also inform the appropriateness of both introducing a new noise-sensitive receptor and the extent of required noise mitigation."*

As such, a standalone BS 4142 noise assessment of the commercial noise impacting the site has not been undertaken in this instance, and the noise impact assessment of the external commercial fixed plant noise has been undertaken in accordance with BS 8233:2014, as this is deemed to form part of the existing ambient noise levels at the rear of the site.

The assessment of internal noise levels within habitable rooms at the rear of the development are predicted to meet the recommended guideline levels prescribed in BS 8233:2014, with the existing glazing system installed at the property.

Internal night-time $L_{Amax,F}$ noise levels indicate that WHO $L_{Amax,\ F}$ guideline noise levels would be met within the proposed bedrooms at the rear façade of the development. There are no bedrooms located at the front of the site.

The most cost-effective method of upgrading the glazing to achieve the required acoustic performance at the front of the site would be to retain the existing windows and utilise secondary glazing panels. A recommended specification has been provided in Section 7.

At the rear of the site, it is understood that the preferred option is for the existing glazing to remain in situ. It has been demonstrated that this glazing system is sufficient to meet the adopted noise criteria.

Recommendations in respect of ventilation have also been presented. These options are presented in Section 7. The adoption of these mitigation options will ensure that appropriate internal noise levels are achieved, and residential amenity will be protected.

To protect the future residents from the potential impact from the internal transfer of noise from any proposed non-domestic activities from the adjoining premises, it is recommended that a review of any floor and wall constructions separating the non-domestic premises and dwellings is undertaken to ensure an appropriate level of sound insulation is provided between the spaces.

# 9 REFERENCES


1. Department of Communities and Local Government. National Planning Policy Framework, 2021
2. Department for Environment, Food and Rural Affairs (DEFRA). Noise Policy Statement for England (NPSE), 2010.
3. The Planning Noise Advice Document: Sussex. November 2023.
4. British Standard BS 8233: 2014: Guidance on Sound Insulation and Noise Reduction for Buildings.
5. World Health Organisation. 2018. Environmental Noise Guidelines for the European Region.
6. World Health Organisation. 1999. Guidelines for Community Noise.
7. World Health Organisation. Night Noise Guidelines for Europe. 2009.
8. British Standard BS4142: 2014+A1 2019. Methods for rating and assessing industrial and commercial sound
9. The Building regulations. Approved Document F.
10. Approved Document O - Overheating (2021). HM Stationery Office. 2021.
11. The Building Regulations 2010. Approved Document E – Resistance to the passage of sound.

# APPENDIX A: FIGURES

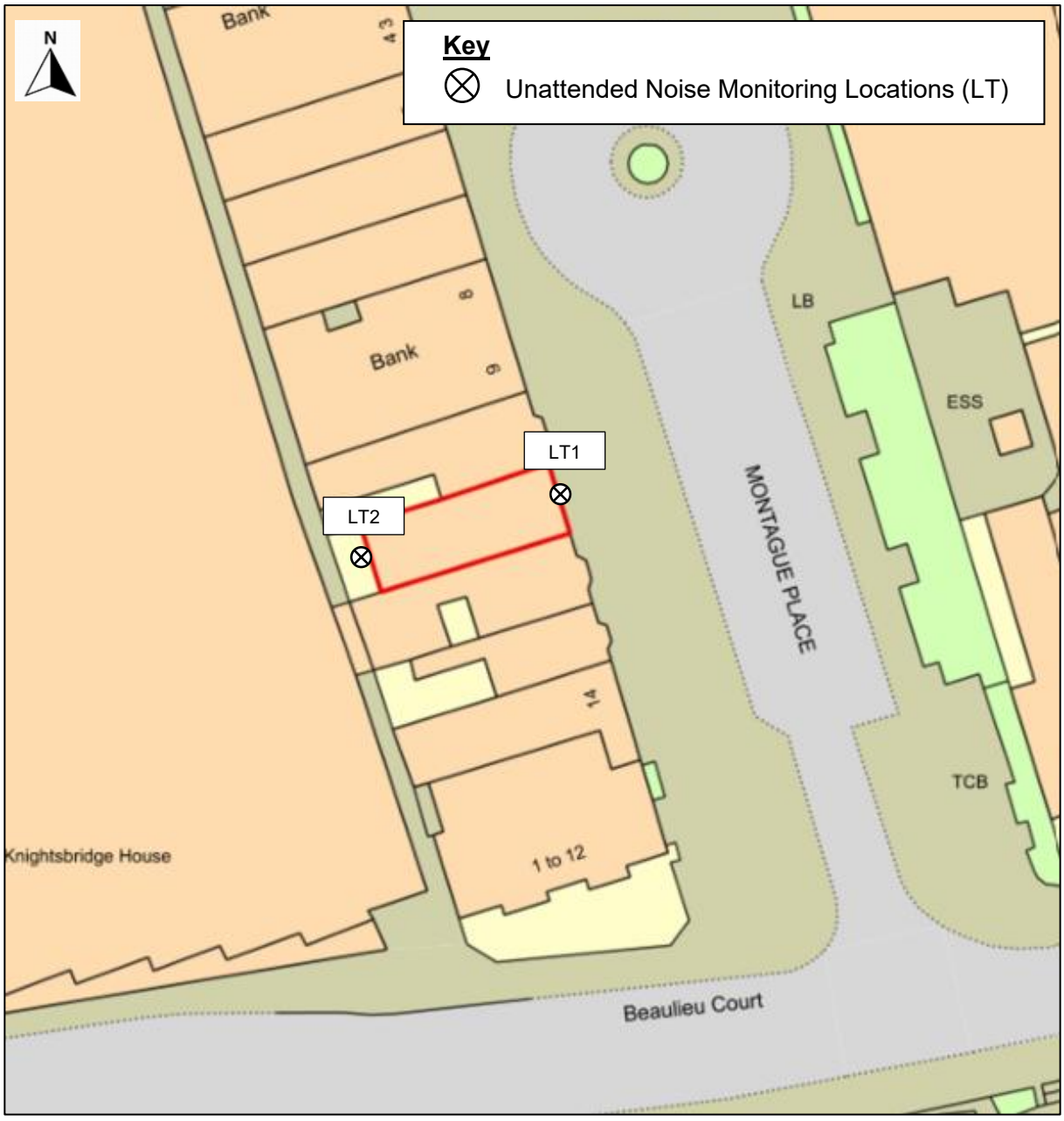



**Figure A1: Site Location Plan**

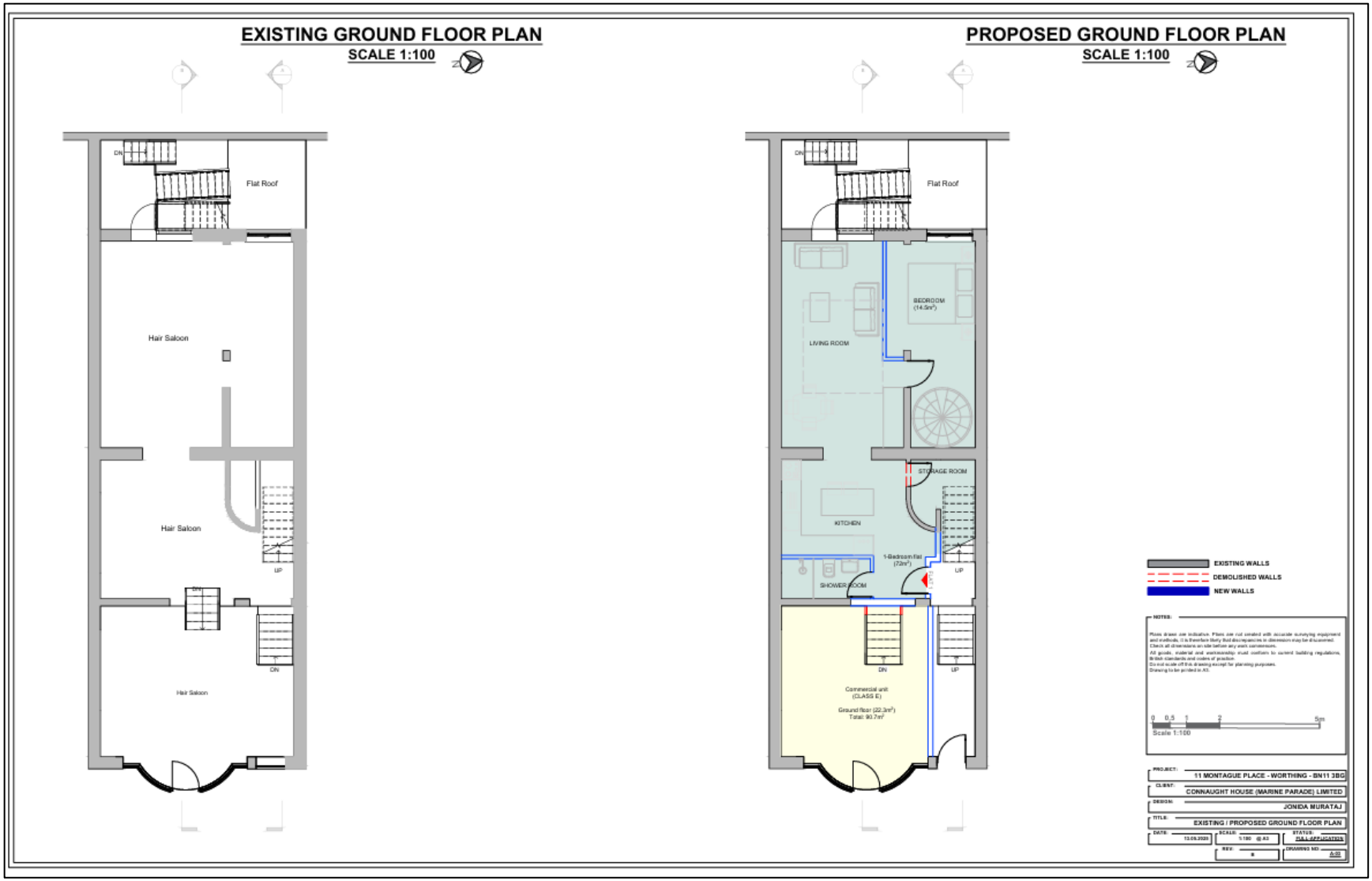



**Figure A2: Existing and Proposed Site Floor Plans – Ground Floor**

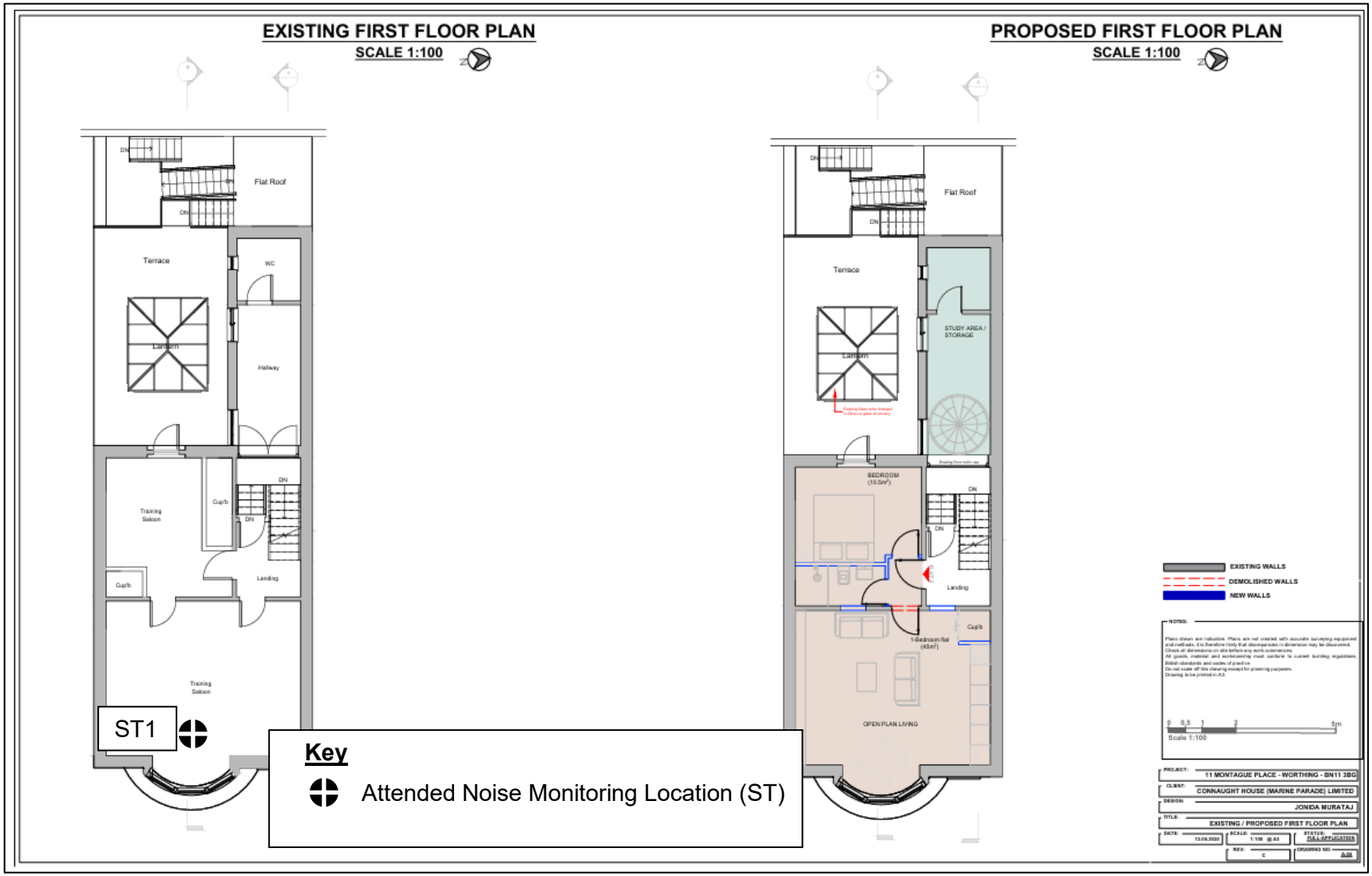



**Figure A3: Existing and Proposed Site Floor Plans – First Floor**

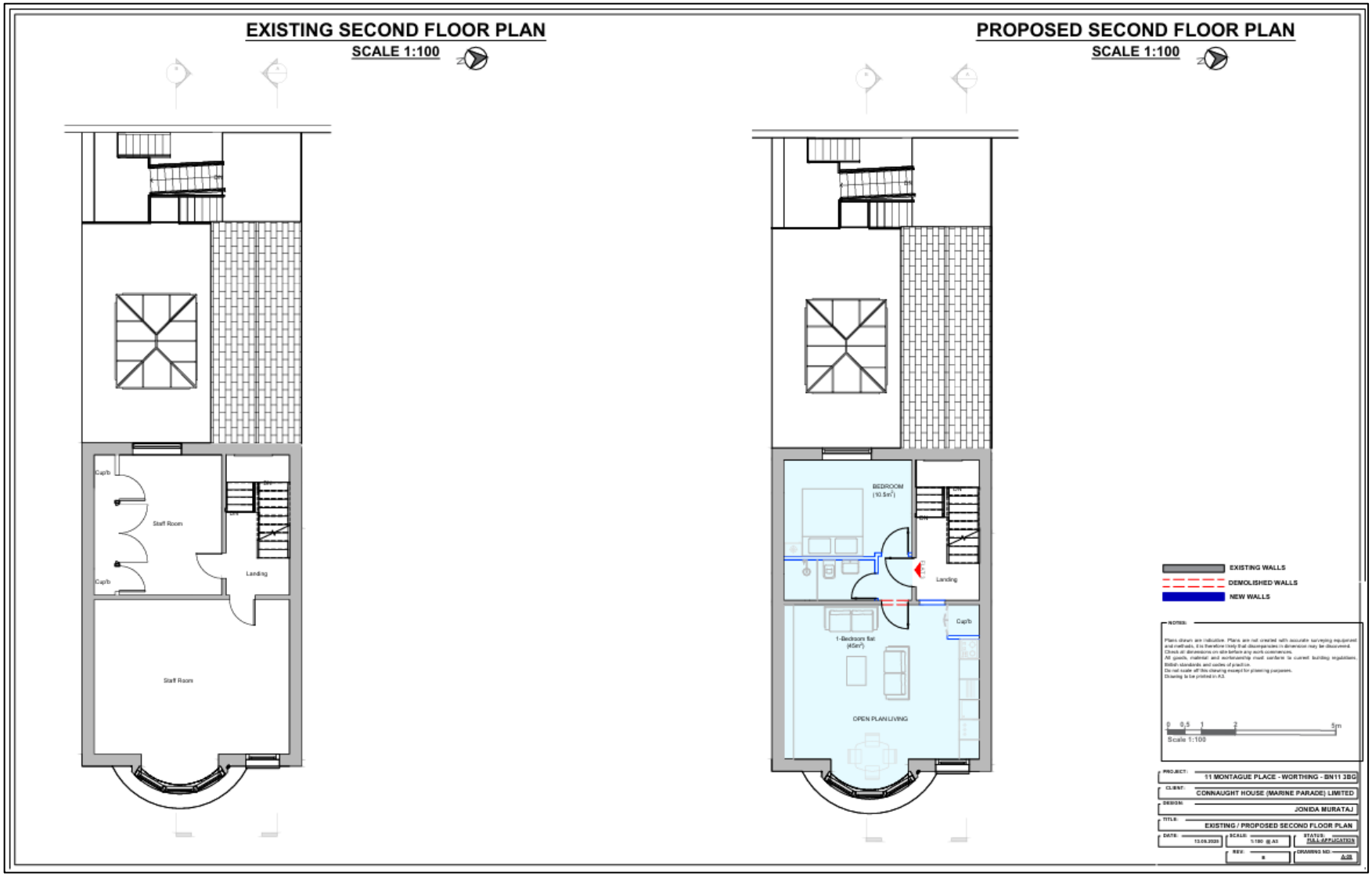



**Figure A4: Existing and Proposed Site Floor Plans – Second Floor**

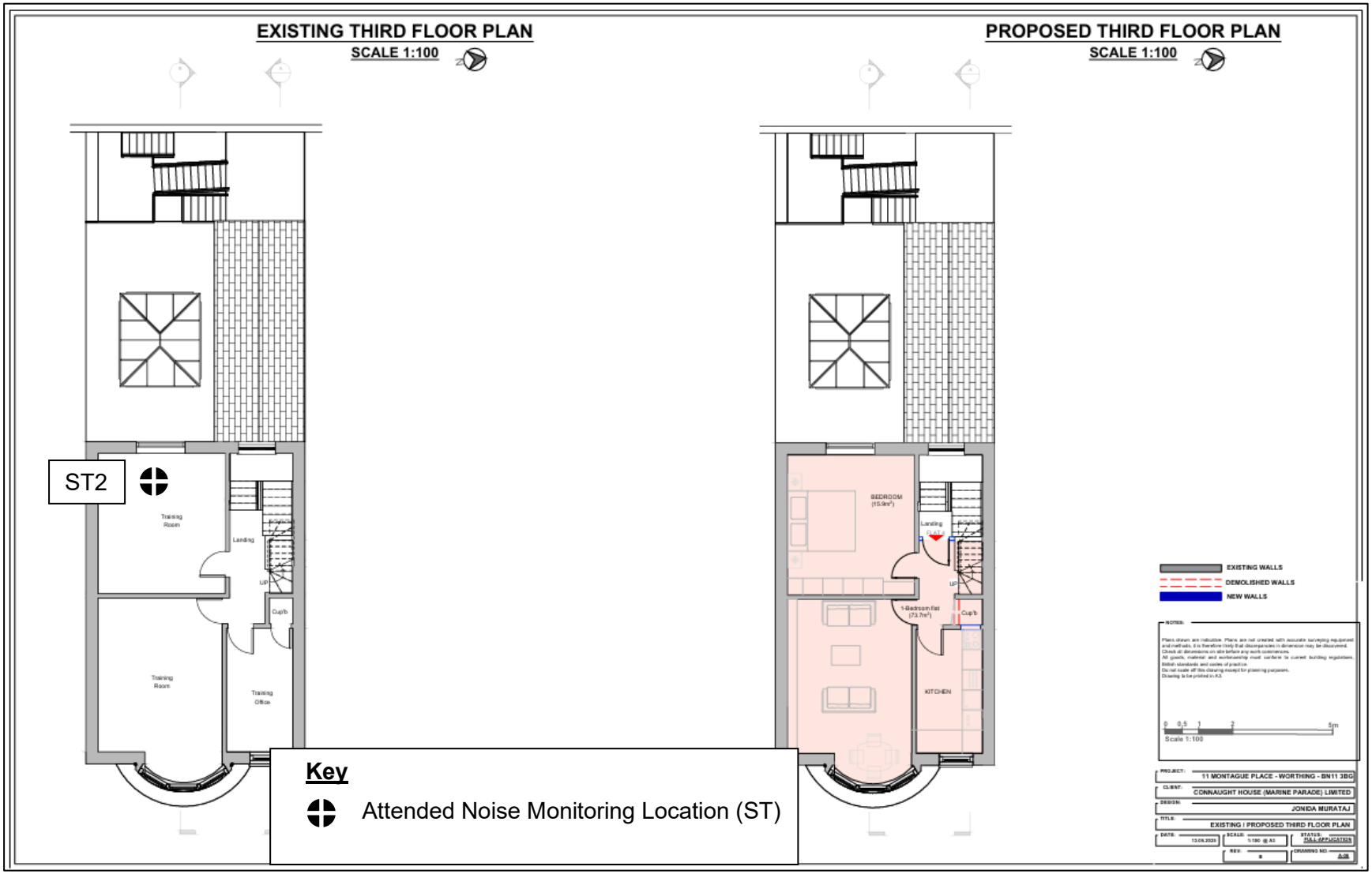



**Figure A5: Existing and Proposed Site Floor Plans – Third Floor**

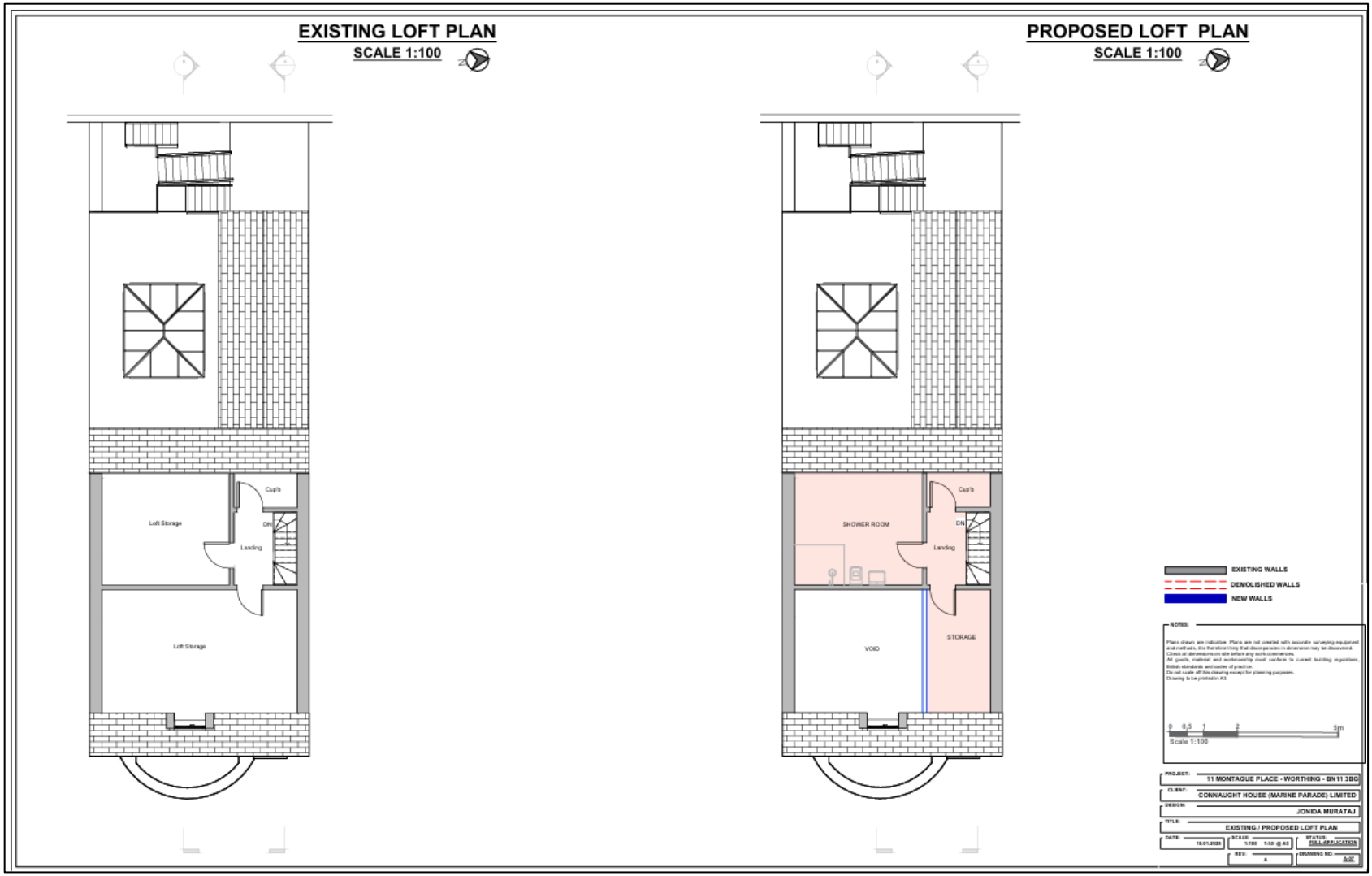



**Figure A6: Existing and Proposed Site Floor Plans – Fourth Floor**

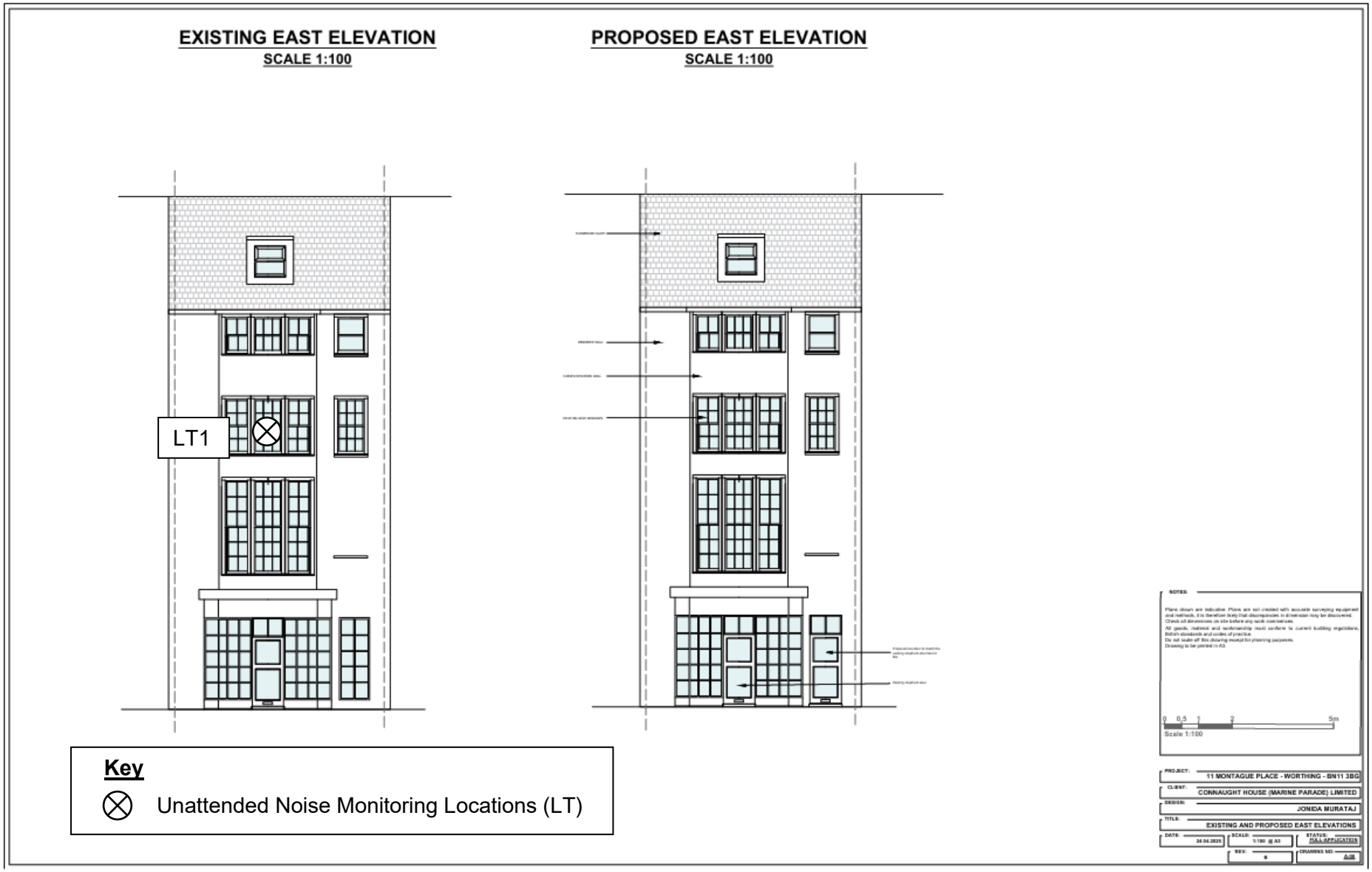



**Figure A7: Existing and Proposed Front Elevations and Unattended Noise Monitoring Location LT1**

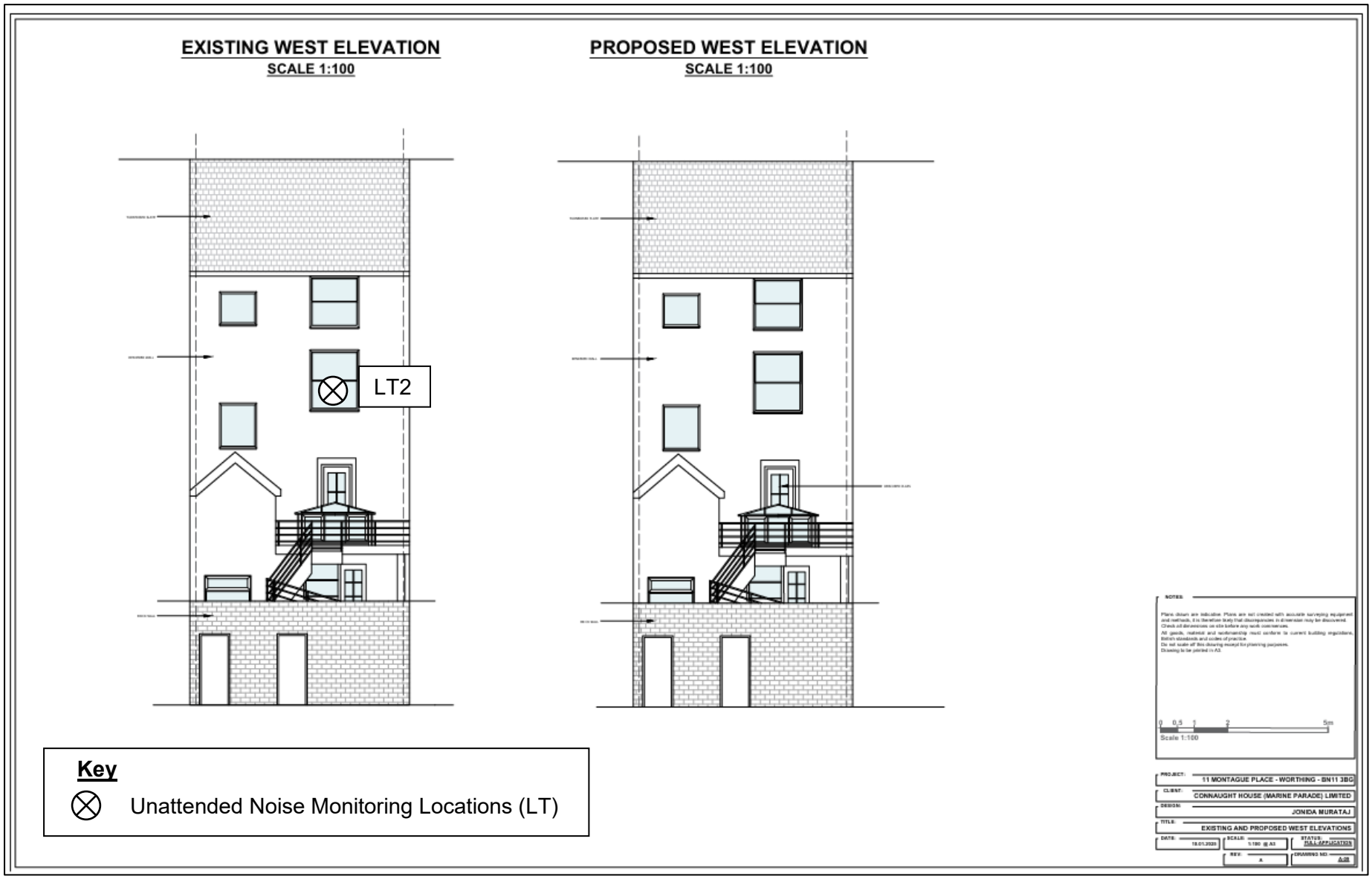



**Figure A8: Existing and Proposed Rear Elevations and Unattended Noise Monitoring Location LT2**

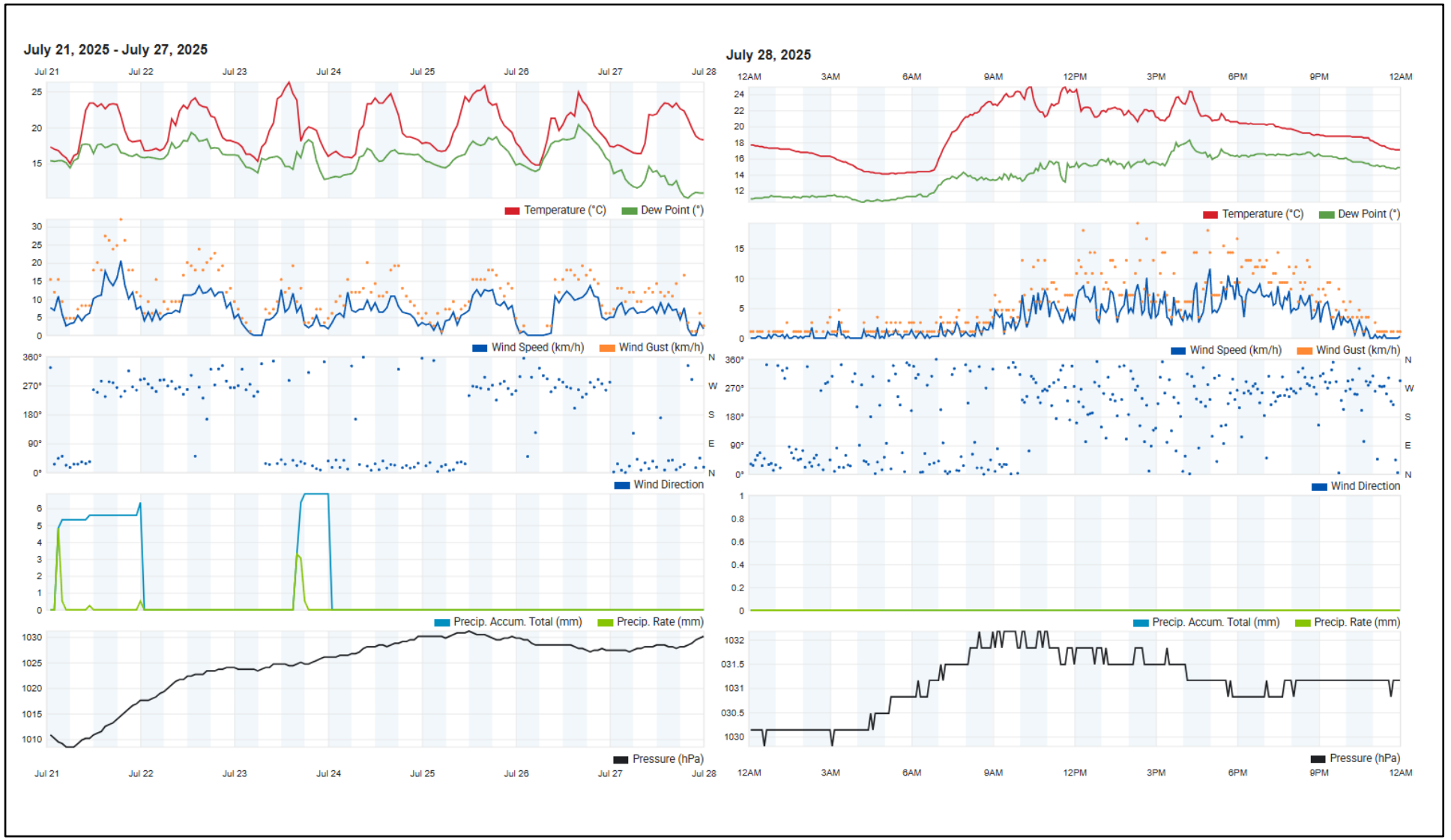



**Figure A9: Weather Data for Unattended Noise Measurement Period**

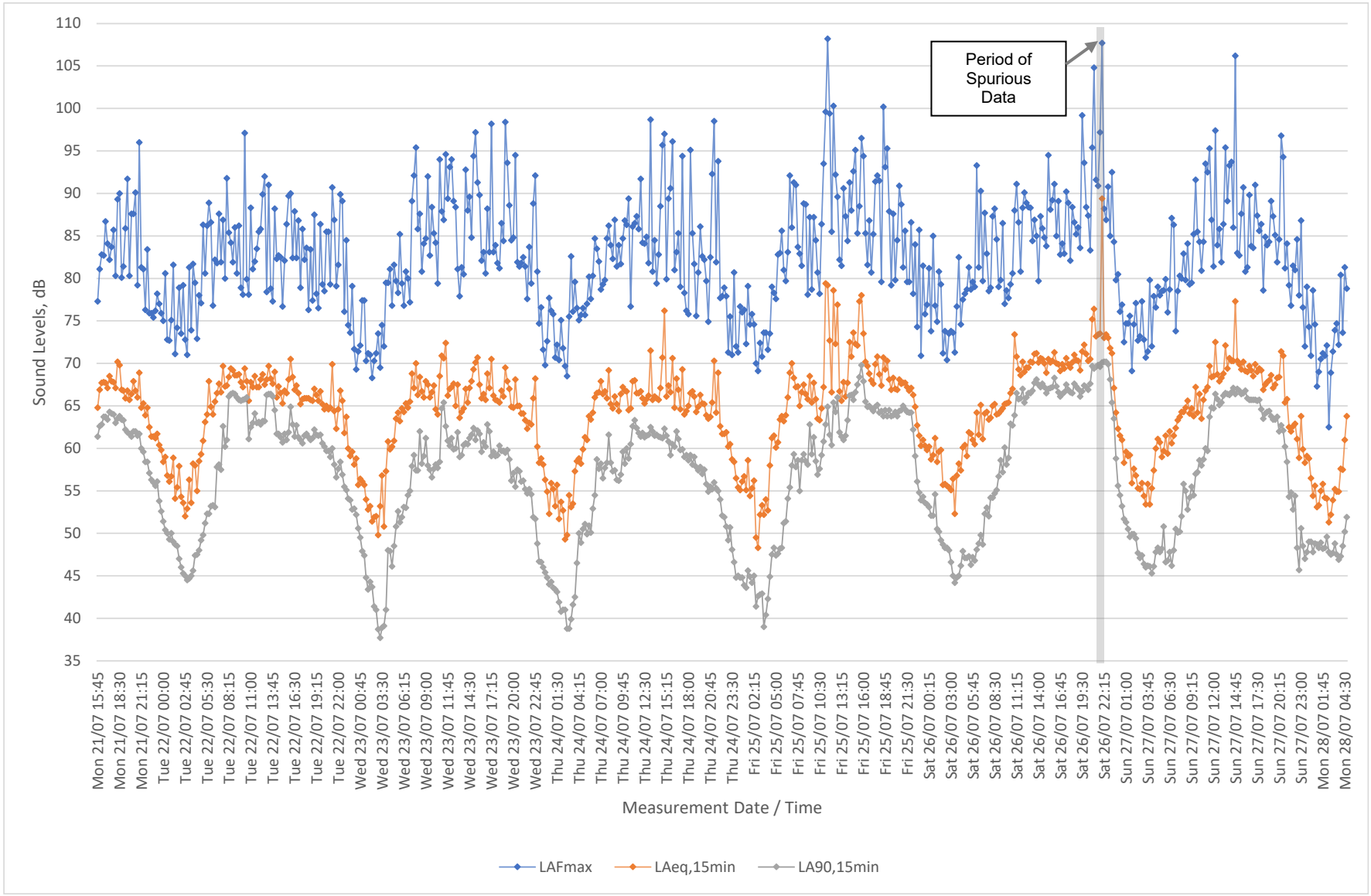



**Figure A10: Time History of Unattended Noise Monitoring at LT1**

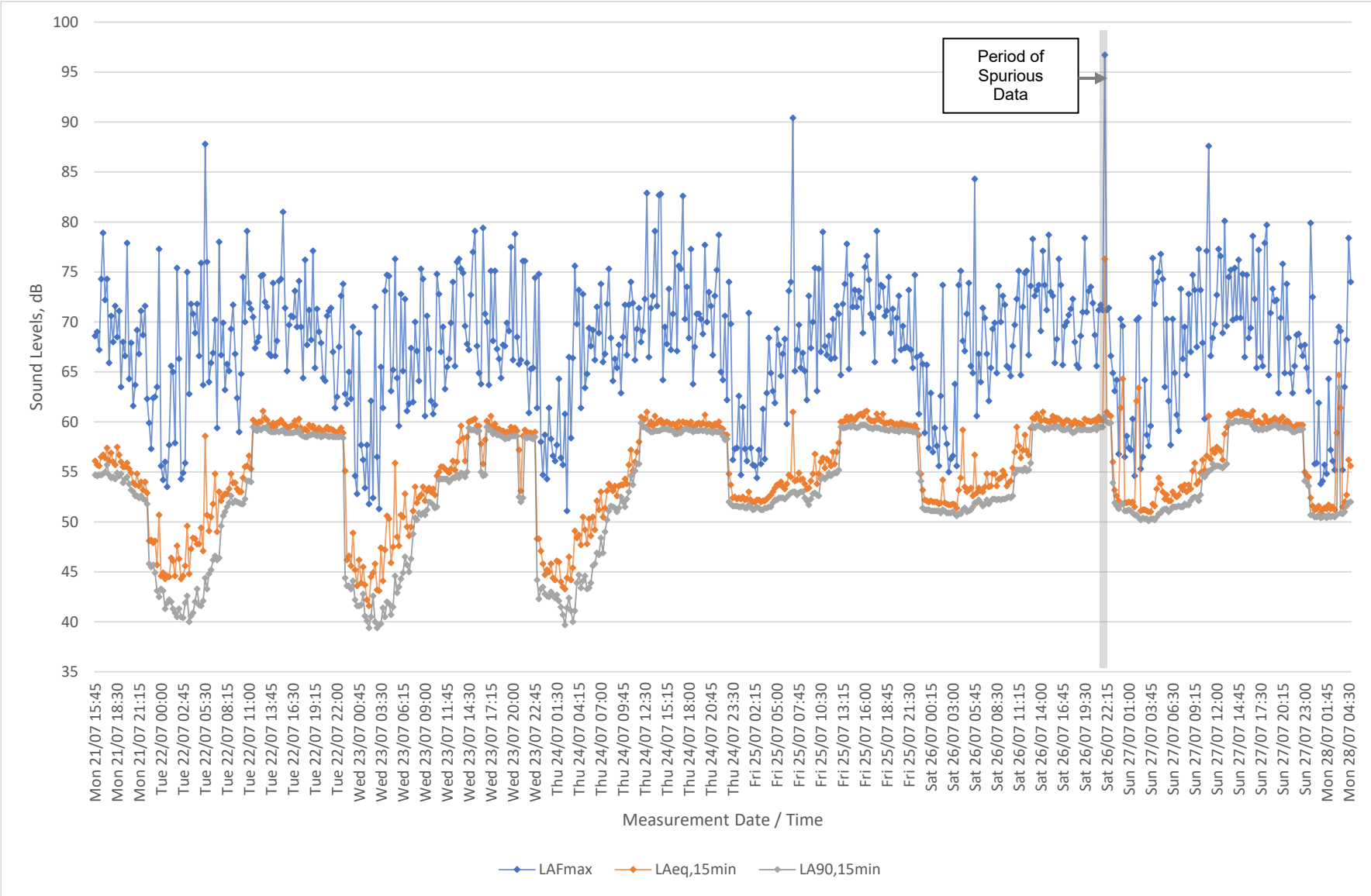



**Figure A11: Time History of Unattended Noise Monitoring at LT2**

UKAS

# AWV39

*Acoustic wall ventilator*

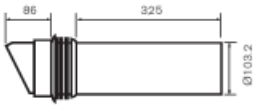
## Physical specification

All measurements in millimetres unless otherwise indicated

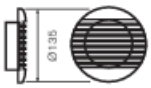
**Weight:** 0.415kg

**Materials:** PVC


External grille (supplied separately)




Internal

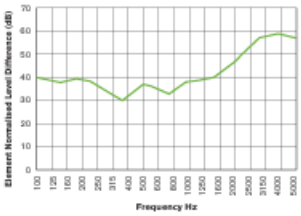



Side

## Features and benefits

- Designed for use in refurbishment applications
- Provides acoustic attenuation to Dn,e,w 39dB
- 2500mm² equivalent area performance
- Suitable for wall thicknesses 255–300mm

## Performance



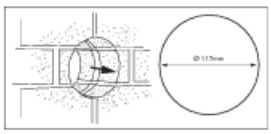

**Acoustic performance**

**Dn,e,w:** Average weighted performance across frequency range

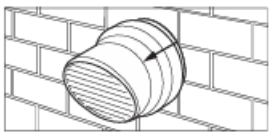
**C:** Pink noise

**Ctr:** Road noise

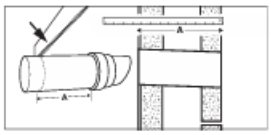
## Installation



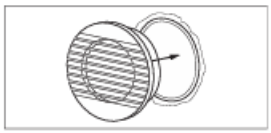
Using a 117mm core drill, cut a hole through wall.



Measure wall thickness and cut down plastic sleeve as required.



Push the sleeve through the wall. The seal will automatically sit between the sleeve and the external grille, providing a watertight fit.



Push fit internal grille.

## Models, control options and key data

| | | Acoustic performance | | | |
|---|---|---|---|---|---|
| Product code | External grille colour | Dn,e,w | Dn,e,w (C) | Dn,e,w (Ctr) | Equivalent area mm² |
| AWV39B * | Brown | 39dB | 39dB | 37dB | 2500 |
| AWV39W * | White | 39dB | 39dB | 37dB | 2500 |

* Pricing is variable depending on quantity ordered - please call for details

**Figure A12: Proposed in Wall Ventilator**

# APPENDIX B: TABLES

**Table B1: Noise Monitoring Data at LT1**

| Date of Meas. | Start Time | Measured Noise Levels, dB | | |
|---|---|---|---|---|
| | | $L_{Amax,F}$ | $L_{Aeq,15min}$ | $L_{A90,15min}$ |
| Monday 21st July 2025 | 15:30 | 82.8 | 65.3 | 61.3 |
| | 15:45 | 77.3 | 64.8 | 61.4 |
| | 16:00 | 81.1 | 66.9 | 62.6 |
| | 16:15 | 82.8 | 67.7 | 62.8 |
| | 16:30 | 82.7 | 67.8 | 63.7 |
| | 16:45 | 86.7 | 67.7 | 63.7 |
| | 17:00 | 84.1 | 67.1 | 63.4 |
| | 17:15 | 82.2 | 68.5 | 64.3 |
| | 17:30 | 83.7 | 67.9 | 64.1 |
| | 17:45 | 85.7 | 67.8 | 64.0 |
| | 18:00 | 80.3 | 67.1 | 63.0 |
| | 18:15 | 89.3 | 70.2 | 63.5 |
| | 18:30 | 90.0 | 69.8 | 63.8 |
| | 18:45 | 80.1 | 66.9 | 63.4 |
| | 19:00 | 81.4 | 66.8 | 63.3 |
| | 19:15 | 85.9 | 65.9 | 62.2 |
| | 19:30 | 91.7 | 66.8 | 61.9 |
| | 19:45 | 80.3 | 65.7 | 61.7 |
| | 20:00 | 87.6 | 66.4 | 61.4 |
| | 20:15 | 87.6 | 67.9 | 62.0 |
| | 20:30 | 90.1 | 66.8 | 62.0 |
| | 20:45 | 79.2 | 66.0 | 61.5 |
| | 21:00 | 96.0 | 68.9 | 61.7 |
| | 21:15 | 81.3 | 64.8 | 60.0 |
| | 21:30 | 81.1 | 65.3 | 59.6 |
| | 21:45 | 76.3 | 63.9 | 58.4 |
| | 22:00 | 83.4 | 64.8 | 58.4 |
| | 22:15 | 75.9 | 62.5 | 57.1 |
| | 22:30 | 75.9 | 61.4 | 56.3 |
| | 22:45 | 75.4 | 61.4 | 56.0 |
| | 23:00 | 76.2 | 61.2 | 55.6 |
| | 23:15 | 78.2 | 61.7 | 56.1 |
| | 23:30 | 77.0 | 60.4 | 53.8 |
| | 23:45 | 75.9 | 59.8 | 52.6 |
| Tuesday 22nd July 2025 | 00:00 | 75.0 | 58.4 | 51.4 |
| | 00:15 | 80.6 | 59.0 | 50.4 |
| | 00:30 | 72.8 | 56.8 | 50.0 |
| | 00:45 | 72.7 | 56.1 | 49.3 |
| | 01:00 | 75.1 | 56.7 | 50.0 |
| | 01:15 | 81.6 | 58.9 | 49.0 |
| | 01:30 | 71.1 | 54.1 | 48.7 |
| | 01:45 | 74.2 | 55.4 | 48.5 |
| | 02:00 | 78.9 | 57.9 | 47.0 |

**Table B1: Noise Monitoring Data at LT1**

| Date of Meas. | Start Time | Measured Noise Levels, dB | | |
|---|---|---|---|---|
| | | $L_{Amax,F}$ | $L_{Aeq,15min}$ | $L_{A90,15min}$ |
| Tuesday 22nd July 2025 | 02:15 | 73.5 | 54.3 | 46.0 |
| | 02:30 | 79.2 | 53.6 | 45.3 |
| | 02:45 | 72.8 | 52.0 | 45.0 |
| | 03:00 | 71.0 | 52.9 | 44.5 |
| | 03:15 | 81.3 | 56.3 | 44.7 |
| | 03:30 | 73.9 | 53.6 | 45.0 |
| | 03:45 | 81.7 | 58.2 | 45.6 |
| | 04:00 | 79.5 | 58.0 | 47.4 |
| | 04:15 | 72.9 | 55.0 | 47.5 |
| | 04:30 | 78.0 | 58.5 | 48.0 |
| | 04:45 | 77.1 | 59.3 | 49.2 |
| | 05:00 | 86.3 | 60.9 | 49.8 |
| | 05:15 | 80.6 | 63.1 | 51.2 |
| | 05:30 | 86.2 | 64.0 | 52.3 |
| | 05:45 | 88.9 | 67.9 | 52.3 |
| | 06:00 | 86.6 | 64.9 | 53.2 |
| | 06:15 | 76.8 | 64.0 | 53.3 |
| | 06:30 | 82.2 | 65.5 | 53.1 |
| | 06:45 | 81.8 | 66.5 | 57.8 |
| | 07:00 | 87.6 | 67.6 | 58.1 |
| | 07:15 | 81.9 | 66.6 | 57.5 |
| | 07:30 | 86.9 | 69.7 | 62.6 |
| | 07:45 | 80.0 | 67.3 | 60.2 |
| | 08:00 | 91.8 | 67.4 | 61.0 |
| | 08:15 | 85.4 | 68.4 | 66.1 |
| | 08:30 | 84.2 | 69.4 | 66.4 |
| | 08:45 | 81.9 | 69.2 | 66.5 |
| | 09:00 | 86.0 | 68.6 | 66.4 |
| | 09:15 | 80.6 | 68.6 | 66.0 |
| | 09:30 | 86.2 | 68.7 | 65.7 |
| | 09:45 | 78.9 | 67.8 | 65.6 |
| | 10:00 | 78.1 | 67.2 | 65.7 |
| | 10:15 | 97.1 | 69.4 | 65.8 |
| | 10:30 | 79.9 | 67.9 | 66.0 |
| | 10:45 | 78.1 | 65.6 | 61.1 |
| | 11:00 | 88.3 | 67.8 | 62.5 |
| | 11:15 | 81.1 | 67.2 | 63.0 |
| | 11:30 | 82.0 | 68.5 | 64.1 |
| | 11:45 | 83.5 | 67.2 | 63.0 |
| | 12:00 | 85.5 | 67.2 | 63.1 |
| | 12:15 | 85.8 | 68.1 | 62.8 |
| | 12:30 | 89.9 | 68.7 | 63.2 |
| | 12:45 | 92.0 | 67.5 | 63.2 |
| | 13:00 | 78.4 | 68.1 | 66.3 |
| | 13:15 | 91.0 | 69.7 | 66.4 |
| | 13:30 | 78.8 | 68.2 | 66.4 |

**Table B1: Noise Monitoring Data at LT1**

| Date of Meas. | Start Time | Measured Noise Levels, dB | | |
|---|---|---|---|---|
| | | $L_{Amax,F}$ | $L_{Aeq,15min}$ | $L_{A90,15min}$ |
| Tuesday 22nd July 2025 | 13:45 | 77.3 | 67.6 | 66.1 |
| | 14:00 | 88.2 | 69.0 | 64.5 |
| | 14:15 | 82.3 | 66.0 | 61.7 |
| | 14:30 | 82.7 | 67.3 | 61.7 |
| | 14:45 | 82.5 | 66.5 | 61.3 |
| | 15:00 | 76.7 | 65.3 | 60.7 |
| | 15:15 | 82.1 | 66.8 | 61.7 |
| | 15:30 | 86.4 | 66.5 | 61.0 |
| | 15:45 | 89.7 | 68.1 | 61.9 |
| | 16:00 | 90.0 | 70.5 | 64.9 |
| | 16:15 | 82.4 | 68.4 | 62.8 |
| | 16:30 | 87.9 | 66.9 | 61.4 |
| | 16:45 | 82.4 | 67.4 | 62.7 |
| | 17:00 | 86.8 | 66.5 | 61.3 |
| | 17:15 | 78.9 | 65.2 | 61.0 |
| | 17:30 | 85.8 | 65.8 | 60.6 |
| | 17:45 | 82.2 | 65.9 | 61.5 |
| | 18:00 | 83.6 | 65.9 | 61.7 |
| | 18:15 | 76.3 | 65.9 | 61.3 |
| | 18:30 | 83.4 | 65.7 | 61.0 |
| | 18:45 | 77.4 | 65.6 | 61.2 |
| | 19:00 | 87.5 | 67.0 | 62.2 |
| | 19:15 | 78.2 | 66.3 | 61.6 |
| | 19:30 | 76.5 | 65.6 | 61.5 |
| | 19:45 | 86.4 | 66.7 | 61.6 |
| | 20:00 | 79.3 | 65.2 | 60.6 |
| | 20:15 | 78.5 | 64.6 | 60.2 |
| | 20:30 | 85.5 | 65.0 | 59.7 |
| | 20:45 | 85.5 | 64.6 | 59.7 |
| | 21:00 | 79.3 | 64.8 | 59.0 |
| | 21:15 | 90.7 | 69.9 | 60.0 |
| | 21:30 | 86.9 | 64.4 | 58.1 |
| | 21:45 | 79.1 | 62.3 | 56.6 |
| | 22:00 | 81.6 | 64.6 | 57.6 |
| | 22:15 | 89.9 | 66.8 | 58.4 |
| | 22:30 | 89.1 | 65.6 | 56.9 |
| | 22:45 | 76.1 | 61.8 | 55.5 |
| | 23:00 | 84.5 | 63.7 | 55.1 |
| | 23:15 | 74.5 | 60.0 | 54.1 |
| | 23:30 | 73.6 | 59.1 | 53.9 |
| | 23:45 | 79.1 | 59.6 | 52.8 |
| Wednesday 23rd July 2025 | 00:00 | 71.7 | 58.1 | 52.9 |
| | 00:15 | 69.3 | 58.8 | 52.2 |
| | 00:30 | 71.4 | 55.7 | 50.6 |
| | 00:45 | 72.1 | 56.4 | 49.5 |
| | 01:00 | 77.4 | 56.1 | 47.9 |

**Table B1: Noise Monitoring Data at LT1**

| Date of Meas. | Start Time | Measured Noise Levels, dB | | |
|---|---|---|---|---|
| | | $L_{Amax,F}$ | $L_{Aeq,15min}$ | $L_{A90,15min}$ |
| Wednesday 23rd July 2025 | 01:15 | 77.4 | 55.7 | 47.4 |
| | 01:30 | 70.3 | 54.0 | 44.8 |
| | 01:45 | 71.2 | 52.8 | 43.4 |
| | 02:00 | 71.0 | 53.2 | 44.3 |
| | 02:15 | 68.3 | 51.4 | 43.7 |
| | 02:30 | 70.3 | 51.9 | 41.4 |
| | 02:45 | 71.2 | 52.0 | 41.0 |
| | 03:00 | 73.5 | 49.8 | 38.7 |
| | 03:15 | 69.5 | 53.2 | 37.7 |
| | 03:30 | 74.5 | 56.8 | 38.9 |
| | 03:45 | 72.0 | 50.8 | 39.1 |
| | 04:00 | 79.5 | 57.3 | 41.0 |
| | 04:15 | 79.5 | 60.8 | 48.0 |
| | 04:30 | 81.1 | 59.9 | 47.9 |
| | 04:45 | 76.8 | 60.2 | 46.1 |
| | 05:00 | 81.6 | 60.9 | 48.5 |
| | 05:15 | 79.7 | 63.5 | 50.8 |
| | 05:30 | 78.3 | 64.2 | 52.6 |
| | 05:45 | 85.2 | 63.2 | 51.3 |
| | 06:00 | 79.4 | 64.7 | 51.9 |
| | 06:15 | 76.8 | 64.3 | 53.1 |
| | 06:30 | 80.8 | 65.3 | 53.0 |
| | 06:45 | 80.0 | 64.8 | 54.5 |
| | 07:00 | 77.2 | 65.5 | 55.0 |
| | 07:15 | 89.1 | 68.8 | 57.9 |
| | 07:30 | 92.1 | 67.1 | 59.2 |
| | 07:45 | 95.4 | 70.0 | 57.4 |
| | 08:00 | 85.8 | 66.3 | 57.4 |
| | 08:15 | 87.6 | 68.4 | 62.0 |
| | 08:30 | 80.8 | 66.7 | 58.2 |
| | 08:45 | 84.1 | 66.0 | 59.1 |
| | 09:00 | 84.7 | 67.9 | 61.2 |
| | 09:15 | 92.0 | 67.5 | 58.0 |
| | 09:30 | 82.7 | 66.0 | 57.5 |
| | 09:45 | 88.4 | 66.6 | 56.6 |
| | 10:00 | 85.3 | 67.4 | 57.6 |
| | 10:15 | 84.2 | 64.6 | 58.1 |
| | 10:30 | 79.4 | 64.0 | 57.7 |
| | 10:45 | 94.0 | 68.5 | 58.4 |
| | 11:00 | 87.9 | 70.9 | 64.7 |
| | 11:15 | 86.9 | 70.6 | 65.4 |
| | 11:30 | 94.6 | 72.4 | 62.6 |
| | 11:45 | 89.4 | 66.2 | 60.9 |
| | 12:00 | 93.1 | 67.0 | 60.3 |
| | 12:15 | 94.0 | 67.2 | 61.2 |
| | 12:30 | 89.1 | 67.6 | 59.9 |

**Table B1: Noise Monitoring Data at LT1**

| Date of Meas. | Start Time | Measured Noise Levels, dB | | |
|---|---|---|---|---|
| | | $L_{Amax,F}$ | $L_{Aeq,15min}$ | $L_{A90,15min}$ |
| Wednesday 23rd July 2025 | 12:45 | 88.4 | 65.0 | 60.0 |
| | 13:00 | 81.1 | 67.5 | 61.9 |
| | 13:15 | 77.9 | 63.6 | 59.0 |
| | 13:30 | 81.3 | 64.3 | 59.2 |
| | 13:45 | 80.5 | 64.7 | 60.4 |
| | 14:00 | 92.8 | 67.0 | 60.6 |
| | 14:15 | 88.0 | 65.4 | 60.5 |
| | 14:30 | 89.6 | 67.1 | 61.2 |
| | 14:45 | 84.8 | 67.9 | 61.6 |
| | 15:00 | 94.4 | 69.3 | 62.4 |
| | 15:15 | 97.2 | 70.1 | 61.0 |
| | 15:30 | 91.3 | 70.7 | 62.1 |
| | 15:45 | 89.8 | 67.5 | 61.7 |
| | 16:00 | 82.1 | 65.9 | 59.6 |
| | 16:15 | 83.1 | 66.4 | 60.7 |
| | 16:30 | 80.6 | 65.7 | 60.2 |
| | 16:45 | 88.2 | 68.8 | 62.8 |
| | 17:00 | 83.1 | 67.1 | 62.0 |
| | 17:15 | 98.2 | 70.5 | 59.1 |
| | 17:30 | 83.1 | 66.2 | 59.6 |
| | 17:45 | 83.9 | 65.7 | 59.1 |
| | 18:00 | 81.8 | 65.6 | 59.2 |
| | 18:15 | 81.2 | 65.4 | 60.3 |
| | 18:30 | 86.5 | 66.8 | 59.7 |
| | 18:45 | 84.4 | 66.1 | 59.7 |
| | 19:00 | 98.4 | 69.5 | 59.5 |
| | 19:15 | 93.6 | 67.9 | 59.8 |
| | 19:30 | 88.6 | 67.0 | 58.7 |
| | 19:45 | 84.5 | 64.9 | 56.2 |
| | 20:00 | 84.8 | 64.8 | 57.1 |
| | 20:15 | 94.5 | 68.1 | 55.5 |
| | 20:30 | 81.9 | 65.0 | 57.5 |
| | 20:45 | 81.4 | 65.0 | 57.3 |
| | 21:00 | 81.8 | 64.1 | 56.1 |
| | 21:15 | 82.5 | 64.1 | 56.2 |
| | 21:30 | 81.4 | 63.3 | 55.2 |
| | 21:45 | 77.6 | 62.3 | 54.7 |
| | 22:00 | 83.7 | 63.0 | 55.2 |
| | 22:15 | 79.4 | 62.8 | 54.6 |
| | 22:30 | 88.8 | 65.9 | 51.9 |
| | 22:45 | 92.1 | 68.2 | 51.7 |
| | 23:00 | 80.8 | 60.2 | 48.8 |
| | 23:15 | 74.7 | 58.3 | 46.7 |
| | 23:30 | 76.6 | 58.8 | 46.6 |
| | 23:45 | 71.6 | 58.1 | 46.0 |
| Thursday 24th July 2025 | 00:00 | 69.8 | 56.3 | 45.4 |

**Table B1: Noise Monitoring Data at LT1**

| Date of Meas. | Start Time | Measured Noise Levels, dB | | |
|---|---|---|---|---|
| | | $L_{Amax,F}$ | $L_{Aeq,15min}$ | $L_{A90,15min}$ |
| Thursday 24th July 2025 | 00:15 | 72.6 | 54.9 | 44.8 |
| | 00:30 | 77.7 | 52.3 | 44.0 |
| | 00:45 | 76.2 | 55.9 | 44.3 |
| | 01:00 | 75.8 | 55.2 | 43.6 |
| | 01:15 | 70.7 | 53.2 | 43.4 |
| | 01:30 | 72.2 | 55.7 | 43.1 |
| | 01:45 | 70.4 | 51.7 | 41.9 |
| | 02:00 | 75.1 | 53.7 | 40.8 |
| | 02:15 | 71.8 | 52.7 | 41.0 |
| | 02:30 | 69.7 | 49.3 | 41.0 |
| | 02:45 | 68.5 | 49.8 | 38.8 |
| | 03:00 | 75.5 | 54.5 | 38.8 |
| | 03:15 | 82.6 | 53.1 | 39.9 |
| | 03:30 | 76.1 | 53.5 | 41.6 |
| | 03:45 | 79.6 | 57.3 | 42.5 |
| | 04:00 | 76.5 | 58.5 | 46.5 |
| | 04:15 | 75.1 | 58.8 | 50.0 |
| | 04:30 | 75.7 | 58.2 | 48.9 |
| | 04:45 | 76.5 | 59.9 | 50.5 |
| | 05:00 | 75.7 | 61.3 | 51.1 |
| | 05:15 | 77.0 | 61.0 | 49.9 |
| | 05:30 | 80.2 | 63.8 | 50.9 |
| | 05:45 | 77.6 | 63.4 | 50.1 |
| | 06:00 | 80.3 | 64.2 | 52.9 |
| | 06:15 | 84.7 | 66.0 | 54.5 |
| | 06:30 | 83.5 | 66.5 | 58.7 |
| | 06:45 | 82.0 | 66.6 | 57.6 |
| | 07:00 | 78.7 | 67.9 | 58.2 |
| | 07:15 | 79.3 | 66.4 | 56.5 |
| | 07:30 | 79.8 | 66.7 | 57.7 |
| | 07:45 | 84.7 | 65.9 | 58.3 |
| | 08:00 | 86.2 | 69.2 | 61.6 |
| | 08:15 | 83.9 | 65.2 | 58.3 |
| | 08:30 | 82.3 | 64.7 | 57.3 |
| | 08:45 | 86.9 | 66.1 | 57.4 |
| | 09:00 | 81.4 | 65.2 | 56.3 |
| | 09:15 | 83.9 | 64.4 | 56.2 |
| | 09:30 | 81.7 | 66.4 | 56.9 |
| | 09:45 | 84.7 | 67.2 | 59.6 |
| | 10:00 | 86.8 | 66.8 | 58.2 |
| | 10:15 | 86.3 | 66.7 | 60.0 |
| | 10:30 | 89.4 | 64.5 | 58.8 |
| | 10:45 | 76.7 | 64.7 | 60.5 |
| | 11:00 | 86.1 | 67.9 | 62.6 |
| | 11:15 | 86.5 | 68.0 | 63.3 |
| | 11:30 | 87.3 | 66.5 | 62.4 |

**Table B1: Noise Monitoring Data at LT1**

| Date of Meas. | Start Time | Measured Noise Levels, dB | | |
|---|---|---|---|---|
| | | $L_{Amax,F}$ | $L_{Aeq,15min}$ | $L_{A90,15min}$ |
| Thursday 24th July 2025 | 11:45 | 85.8 | 66.5 | 61.8 |
| | 12:00 | 91.7 | 66.7 | 61.4 |
| | 12:15 | 84.2 | 65.9 | 61.8 |
| | 12:30 | 84.1 | 65.3 | 61.3 |
| | 12:45 | 84.9 | 65.8 | 61.5 |
| | 13:00 | 81.8 | 66.2 | 61.6 |
| | 13:15 | 98.7 | 71.5 | 62.5 |
| | 13:30 | 80.8 | 65.7 | 62.0 |
| | 13:45 | 84.5 | 66.1 | 61.5 |
| | 14:00 | 79.4 | 65.9 | 61.6 |
| | 14:15 | 82.8 | 65.7 | 61.4 |
| | 14:30 | 88.5 | 67.1 | 61.3 |
| | 14:45 | 95.7 | 70.7 | 61.2 |
| | 15:00 | 97.0 | 76.2 | 62.3 |
| | 15:15 | 79.9 | 66.1 | 61.5 |
| | 15:30 | 89.4 | 67.4 | 60.8 |
| | 15:45 | 90.6 | 66.6 | 59.2 |
| | 16:00 | 96.1 | 70.6 | 60.5 |
| | 16:15 | 81.0 | 64.8 | 60.2 |
| | 16:30 | 83.1 | 68.2 | 62.0 |
| | 16:45 | 85.3 | 66.9 | 61.1 |
| | 17:00 | 79.0 | 64.6 | 59.8 |
| | 17:15 | 94.4 | 69.3 | 59.9 |
| | 17:30 | 78.3 | 64.0 | 59.0 |
| | 17:45 | 76.2 | 64.4 | 59.2 |
| | 18:00 | 75.8 | 65.0 | 58.6 |
| | 18:15 | 95.1 | 66.5 | 59.2 |
| | 18:30 | 85.3 | 66.7 | 58.1 |
| | 18:45 | 81.7 | 66.1 | 59.0 |
| | 19:00 | 75.6 | 64.3 | 57.8 |
| | 19:15 | 80.7 | 64.9 | 57.4 |
| | 19:30 | 86.1 | 66.3 | 57.8 |
| | 19:45 | 82.6 | 65.3 | 57.0 |
| | 20:00 | 82.2 | 65.2 | 57.5 |
| | 20:15 | 79.7 | 63.9 | 55.8 |
| | 20:30 | 74.9 | 63.5 | 54.9 |
| | 20:45 | 82.5 | 63.7 | 55.5 |
| | 21:00 | 92.3 | 65.4 | 55.2 |
| | 21:15 | 98.5 | 70.3 | 56.0 |
| | 21:30 | 81.9 | 64.2 | 55.3 |
| | 21:45 | 93.8 | 68.9 | 55.0 |
| | 22:00 | 77.7 | 62.6 | 54.0 |
| | 22:15 | 77.9 | 61.7 | 52.1 |
| | 22:30 | 78.9 | 61.7 | 51.9 |
| | 22:45 | 77.9 | 61.9 | 50.8 |
| | 23:00 | 71.3 | 60.2 | 49.2 |

**Table B1: Noise Monitoring Data at LT1**

| Date of Meas. | Start Time | Measured Noise Levels, dB | | |
|---|---|---|---|---|
| | | $L_{Amax,F}$ | $L_{Aeq,15min}$ | $L_{A90,15min}$ |
| Thursday 24th July 2025 | 23:15 | 75.5 | 60.5 | 50.7 |
| | 23:30 | 71.0 | 58.7 | 48.1 |
| | 23:45 | 80.7 | 58.4 | 46.6 |
| Friday 25th July 2025 | 00:00 | 72.0 | 56.5 | 44.8 |
| | 00:15 | 71.3 | 55.4 | 45.0 |
| | 00:30 | 76.7 | 55.1 | 44.8 |
| | 00:45 | 76.0 | 56.1 | 44.8 |
| | 01:00 | 76.3 | 56.7 | 43.9 |
| | 01:15 | 72.3 | 55.1 | 43.6 |
| | 01:30 | 79.1 | 58.6 | 45.6 |
| | 01:45 | 74.6 | 54.4 | 44.9 |
| | 02:00 | 75.8 | 55.3 | 44.2 |
| | 02:15 | 74.6 | 56.2 | 45.0 |
| | 02:30 | 70.0 | 49.5 | 41.4 |
| | 02:45 | 69.1 | 48.3 | 42.6 |
| | 03:00 | 72.4 | 52.2 | 42.8 |
| | 03:15 | 70.8 | 53.3 | 42.9 |
| | 03:30 | 73.6 | 52.2 | 39.0 |
| | 03:45 | 73.6 | 54.0 | 40.4 |
| | 04:00 | 71.6 | 52.7 | 42.3 |
| | 04:15 | 73.5 | 58.0 | 44.9 |
| | 04:30 | 79.0 | 61.2 | 47.5 |
| | 04:45 | 78.3 | 61.5 | 48.3 |
| | 05:00 | 77.6 | 60.1 | 47.4 |
| | 05:15 | 82.8 | 60.7 | 47.6 |
| | 05:30 | 83.0 | 63.4 | 48.2 |
| | 05:45 | 85.6 | 63.8 | 48.3 |
| | 06:00 | 81.0 | 63.2 | 51.2 |
| | 06:15 | 79.7 | 63.9 | 51.4 |
| | 06:30 | 83.1 | 66.0 | 54.1 |
| | 06:45 | 92.1 | 68.9 | 55.4 |
| | 07:00 | 86.0 | 70.0 | 58.0 |
| | 07:15 | 91.3 | 68.3 | 59.3 |
| | 07:30 | 91.0 | 67.2 | 57.8 |
| | 07:45 | 83.7 | 67.3 | 58.6 |
| | 08:00 | 82.9 | 65.0 | 55.0 |
| | 08:15 | 81.5 | 66.6 | 58.6 |
| | 08:30 | 88.8 | 67.5 | 59.3 |
| | 08:45 | 88.7 | 66.4 | 58.5 |
| | 09:00 | 78.1 | 65.8 | 58.1 |
| | 09:15 | 87.2 | 68.5 | 62.8 |
| | 09:30 | 78.7 | 65.4 | 59.3 |
| | 09:45 | 87.2 | 67.7 | 61.3 |
| | 10:00 | 84.5 | 65.8 | 58.5 |
| | 10:15 | 80.7 | 63.5 | 56.9 |
| | 10:30 | 78.2 | 63.3 | 57.6 |

**Table B1: Noise Monitoring Data at LT1**

| Date of Meas. | Start Time | Measured Noise Levels, dB | | |
|---|---|---|---|---|
| | | $L_{Amax,F}$ | $L_{Aeq,15min}$ | $L_{A90,15min}$ |
| Friday 25th July 2025 | 10:45 | 86.4 | 64.7 | 59.2 |
| | 11:00 | 93.5 | 67.2 | 60.8 |
| | 11:15 | 99.6 | 79.4 | 62.8 |
| | 11:30 | 108.2 | 79.2 | 64.9 |
| | 11:45 | 99.4 | 72.7 | 61.6 |
| | 12:00 | 85.5 | 66.6 | 60.4 |
| | 12:15 | 100.3 | 78.6 | 65.4 |
| | 12:30 | 92.2 | 72.3 | 64.3 |
| | 12:45 | 89.6 | 76.9 | 66.0 |
| | 13:00 | 82.2 | 66.7 | 61.9 |
| | 13:15 | 81.5 | 65.6 | 61.4 |
| | 13:30 | 90.6 | 67.8 | 61.0 |
| | 13:45 | 87.3 | 66.1 | 61.5 |
| | 14:00 | 84.4 | 67.7 | 63.3 |
| | 14:15 | 91.3 | 72.5 | 66.2 |
| | 14:30 | 88.0 | 70.8 | 66.3 |
| | 14:45 | 92.6 | 73.6 | 65.7 |
| | 15:00 | 95.1 | 72.3 | 66.6 |
| | 15:15 | 85.3 | 72.1 | 67.5 |
| | 15:30 | 88.5 | 77.3 | 68.4 |
| | 15:45 | 96.5 | 78.0 | 69.8 |
| | 16:00 | 94.4 | 73.5 | 67.9 |
| | 16:15 | 85.3 | 70.2 | 65.5 |
| | 16:30 | 81.6 | 69.7 | 64.9 |
| | 16:45 | 86.8 | 68.8 | 65.0 |
| | 17:00 | 80.7 | 68.0 | 64.7 |
| | 17:15 | 85.2 | 67.6 | 64.4 |
| | 17:30 | 91.4 | 69.9 | 64.9 |
| | 17:45 | 92.1 | 70.8 | 65.1 |
| | 18:00 | 91.5 | 68.7 | 64.2 |
| | 18:15 | 79.6 | 67.4 | 64.4 |
| | 18:30 | 100.2 | 70.7 | 63.8 |
| | 18:45 | 93.1 | 69.3 | 64.5 |
| | 19:00 | 95.3 | 70.3 | 63.8 |
| | 19:15 | 87.9 | 68.1 | 64.5 |
| | 19:30 | 79.2 | 66.9 | 63.8 |
| | 19:45 | 87.6 | 68.3 | 63.9 |
| | 20:00 | 79.8 | 67.0 | 64.3 |
| | 20:15 | 84.5 | 66.9 | 63.8 |
| | 20:30 | 90.9 | 68.1 | 64.4 |
| | 20:45 | 88.7 | 67.6 | 64.5 |
| | 21:00 | 81.3 | 67.7 | 65.0 |
| | 21:15 | 85.6 | 67.7 | 64.6 |
| | 21:30 | 79.6 | 67.2 | 64.3 |
| | 21:45 | 79.6 | 66.8 | 64.2 |
| | 22:00 | 86.6 | 67.1 | 64.2 |

**Table B1: Noise Monitoring Data at LT1**

| Date of Meas. | Start Time | Measured Noise Levels, dB | | |
|---|---|---|---|---|
| | | $L_{Amax,F}$ | $L_{Aeq,15min}$ | $L_{A90,15min}$ |
| Friday 25th July 2025 | 22:15 | 78.2 | 66.3 | 62.2 |
| | 22:30 | 84.0 | 64.9 | 59.1 |
| | 22:45 | 74.3 | 62.7 | 56.1 |
| | 23:00 | 85.7 | 61.5 | 54.8 |
| | 23:15 | 70.9 | 60.3 | 53.9 |
| | 23:30 | 81.5 | 61.0 | 54.3 |
| | 23:45 | 75.8 | 60.3 | 53.6 |
| Saturday 26th July 2025 | 00:00 | 76.9 | 59.8 | 53.4 |
| | 00:15 | 81.2 | 60.2 | 53.1 |
| | 00:30 | 73.8 | 58.7 | 52.1 |
| | 00:45 | 85.0 | 59.2 | 52.1 |
| | 01:00 | 76.8 | 61.2 | 54.6 |
| | 01:15 | 74.9 | 58.4 | 50.5 |
| | 01:30 | 80.8 | 59.6 | 50.2 |
| | 01:45 | 79.3 | 59.8 | 49.2 |
| | 02:00 | 71.2 | 55.7 | 48.7 |
| | 02:15 | 73.8 | 55.8 | 48.3 |
| | 02:30 | 70.4 | 55.6 | 48.3 |
| | 02:45 | 73.5 | 55.4 | 48.0 |
| | 03:00 | 73.8 | 55.1 | 46.6 |
| | 03:15 | 73.6 | 56.4 | 45.0 |
| | 03:30 | 71.3 | 52.3 | 44.2 |
| | 03:45 | 76.7 | 56.8 | 44.8 |
| | 04:00 | 82.5 | 58.2 | 45.0 |
| | 04:15 | 74.6 | 57.4 | 46.2 |
| | 04:30 | 77.5 | 60.1 | 47.9 |
| | 04:45 | 78.2 | 60.4 | 47.1 |
| | 05:00 | 78.7 | 59.1 | 47.1 |
| | 05:15 | 81.3 | 61.9 | 47.3 |
| | 05:30 | 78.7 | 61.7 | 46.3 |
| | 05:45 | 79.6 | 61.0 | 47.2 |
| | 06:00 | 79.0 | 60.5 | 46.8 |
| | 06:15 | 93.3 | 64.2 | 48.1 |
| | 06:30 | 81.3 | 61.6 | 48.8 |
| | 06:45 | 90.3 | 65.1 | 49.8 |
| | 07:00 | 79.7 | 61.1 | 48.7 |
| | 07:15 | 87.7 | 64.1 | 52.3 |
| | 07:30 | 82.9 | 64.3 | 53.0 |
| | 07:45 | 78.5 | 63.4 | 52.0 |
| | 08:00 | 78.9 | 63.6 | 54.2 |
| | 08:15 | 87.3 | 65.0 | 54.2 |
| | 08:30 | 88.2 | 65.2 | 54.7 |
| | 08:45 | 84.6 | 64.0 | 55.1 |
| | 09:00 | 79.0 | 64.1 | 56.7 |
| | 09:15 | 79.8 | 64.4 | 58.6 |
| | 09:30 | 86.5 | 64.7 | 57.2 |

**Table B1: Noise Monitoring Data at LT1**

| Date of Meas. | Start Time | Measured Noise Levels, dB | | |
|---|---|---|---|---|
| | | $L_{Amax,F}$ | $L_{Aeq,15min}$ | $L_{A90,15min}$ |
| Saturday 26th July 2025 | 09:45 | 77.0 | 65.2 | 60.1 |
| | 10:00 | 78.6 | 65.3 | 58.1 |
| | 10:15 | 77.7 | 65.4 | 58.9 |
| | 10:30 | 79.3 | 66.5 | 62.9 |
| | 10:45 | 80.6 | 67.0 | 62.7 |
| | 11:00 | 88.0 | 73.4 | 63.9 |
| | 11:15 | 91.1 | 70.8 | 66.5 |
| | 11:30 | 86.6 | 69.3 | 65.8 |
| | 11:45 | 80.8 | 68.6 | 65.9 |
| | 12:00 | 88.3 | 70.2 | 67.0 |
| | 12:15 | 90.1 | 69.0 | 65.4 |
| | 12:30 | 88.9 | 69.5 | 66.0 |
| | 12:45 | 88.4 | 69.5 | 66.5 |
| | 13:00 | 88.3 | 70.2 | 66.5 |
| | 13:15 | 84.4 | 70.1 | 66.8 |
| | 13:30 | 86.9 | 71.1 | 67.7 |
| | 13:45 | 85.0 | 71.2 | 68.1 |
| | 14:00 | 79.7 | 70.1 | 67.5 |
| | 14:15 | 87.3 | 70.6 | 67.2 |
| | 14:30 | 85.9 | 70.5 | 67.6 |
| | 14:45 | 84.8 | 70.0 | 67.2 |
| | 15:00 | 83.8 | 68.9 | 66.5 |
| | 15:15 | 94.5 | 70.5 | 67.0 |
| | 15:30 | 88.1 | 70.1 | 67.1 |
| | 15:45 | 89.2 | 70.3 | 67.2 |
| | 16:00 | 91.1 | 71.3 | 68.3 |
| | 16:15 | 85.0 | 70.0 | 67.3 |
| | 16:30 | 89.1 | 69.9 | 66.6 |
| | 16:45 | 82.8 | 69.1 | 66.1 |
| | 17:00 | 84.1 | 69.9 | 66.4 |
| | 17:15 | 82.9 | 69.4 | 66.6 |
| | 17:30 | 90.2 | 70.6 | 67.5 |
| | 17:45 | 88.9 | 69.9 | 66.9 |
| | 18:00 | 82.1 | 69.5 | 66.6 |
| | 18:15 | 88.4 | 70.1 | 66.5 |
| | 18:30 | 86.6 | 71.0 | 67.6 |
| | 18:45 | 85.2 | 70.4 | 67.3 |
| | 19:00 | 86.0 | 70.3 | 67.0 |
| | 19:15 | 83.6 | 69.2 | 66.1 |
| | 19:30 | 99.2 | 71.4 | 66.7 |
| | 19:45 | 93.6 | 72.2 | 67.4 |
| | 20:00 | 88.4 | 71.1 | 67.2 |
| | 20:15 | 87.4 | 70.3 | 66.9 |
| | 20:30 | 83.3 | 70.5 | 67.6 |
| | 20:45 | 95.4 | 75.2 | 69.7 |
| | 21:00 | 104.8 | 76.4 | 69.4 |

**Table B1: Noise Monitoring Data at LT1**

| Date of Meas. | Start Time | Measured Noise Levels, dB | | |
|---|---|---|---|---|
| | | $L_{Amax,F}$ | $L_{Aeq,15min}$ | $L_{A90,15min}$ |
| Saturday 26th July 2025 | 21:15 | 91.6 | 73.2 | 69.6 |
| | 21:30 | 90.9 | 73.4 | 69.8 |
| | 21:45 | 97.2 | 73.5 | 69.6 |
| | 22:00 | 107.7 | 89.4 | 70.1 |
| | 22:15 | 88.2 | 73.0 | 70.2 |
| | 22:30 | 86.9 | 73.4 | 70.2 |
| | 22:45 | 90.8 | 73.0 | 69.9 |
| | 23:00 | 85.0 | 71.8 | 68.1 |
| | 23:15 | 92.5 | 71.2 | 65.4 |
| | 23:30 | 84.3 | 67.1 | 63.5 |
| | 23:45 | 79.8 | 64.2 | 58.8 |
| Sunday 27th July 2025 | 00:00 | 80.5 | 62.3 | 55.6 |
| | 00:15 | 76.1 | 61.5 | 54.5 |
| | 00:30 | 76.9 | 61.0 | 53.2 |
| | 00:45 | 72.5 | 58.3 | 51.7 |
| | 01:00 | 74.7 | 59.6 | 51.3 |
| | 01:15 | 74.7 | 59.1 | 50.5 |
| | 01:30 | 75.6 | 59.2 | 49.6 |
| | 01:45 | 69.1 | 55.9 | 49.9 |
| | 02:00 | 74.6 | 57.6 | 49.9 |
| | 02:15 | 77.1 | 56.8 | 49.4 |
| | 02:30 | 72.7 | 55.3 | 47.7 |
| | 02:45 | 73.2 | 55.2 | 47.1 |
| | 03:00 | 77.3 | 55.9 | 47.4 |
| | 03:15 | 72.8 | 54.4 | 46.4 |
| | 03:30 | 70.7 | 53.4 | 46.0 |
| | 03:45 | 71.4 | 55.8 | 46.2 |
| | 04:00 | 79.8 | 53.4 | 46.1 |
| | 04:15 | 72.0 | 55.3 | 45.3 |
| | 04:30 | 77.9 | 57.4 | 46.1 |
| | 04:45 | 76.6 | 60.0 | 47.8 |
| | 05:00 | 79.0 | 61.1 | 48.3 |
| | 05:15 | 78.0 | 60.7 | 47.8 |
| | 05:30 | 78.5 | 59.0 | 48.2 |
| | 05:45 | 78.6 | 59.7 | 50.8 |
| | 06:00 | 79.9 | 61.5 | 46.6 |
| | 06:15 | 76.0 | 59.4 | 46.8 |
| | 06:30 | 78.7 | 62.0 | 47.8 |
| | 06:45 | 87.1 | 60.6 | 46.2 |
| | 07:00 | 86.3 | 61.5 | 48.0 |
| | 07:15 | 73.8 | 62.4 | 50.5 |
| | 07:30 | 78.5 | 63.3 | 50.1 |
| | 07:45 | 80.3 | 63.7 | 50.2 |
| | 08:00 | 80.0 | 64.3 | 52.0 |
| | 08:15 | 82.9 | 64.3 | 55.8 |
| | 08:30 | 79.8 | 64.8 | 55.0 |

**Table B1: Noise Monitoring Data at LT1**

| Date of Meas. | Start Time | Measured Noise Levels, dB | | |
|---|---|---|---|---|
| | | $L_{Amax,F}$ | $L_{Aeq,15min}$ | $L_{A90,15min}$ |
| Sunday 27th July 2025 | 08:45 | 84.1 | 65.6 | 52.8 |
| | 09:00 | 79.3 | 64.1 | 54.2 |
| | 09:15 | 79.5 | 64.7 | 55.5 |
| | 09:30 | 85.2 | 63.8 | 54.5 |
| | 09:45 | 91.6 | 67.2 | 57.0 |
| | 10:00 | 85.5 | 64.2 | 57.2 |
| | 10:15 | 84.3 | 66.4 | 58.6 |
| | 10:30 | 80.9 | 63.5 | 58.0 |
| | 10:45 | 84.3 | 65.7 | 58.7 |
| | 11:00 | 93.5 | 66.8 | 60.0 |
| | 11:15 | 92.5 | 67.2 | 59.7 |
| | 11:30 | 95.3 | 69.7 | 63.7 |
| | 11:45 | 86.9 | 68.4 | 64.8 |
| | 12:00 | 81.4 | 68.5 | 64.7 |
| | 12:15 | 97.4 | 72.5 | 66.4 |
| | 12:30 | 83.9 | 68.7 | 65.8 |
| | 12:45 | 85.8 | 67.9 | 65.1 |
| | 13:00 | 81.9 | 68.3 | 65.4 |
| | 13:15 | 86.4 | 68.8 | 66.2 |
| | 13:30 | 95.4 | 72.1 | 66.5 |
| | 13:45 | 89.1 | 69.4 | 66.4 |
| | 14:00 | 93.3 | 70.6 | 66.3 |
| | 14:15 | 93.7 | 70.3 | 66.6 |
| | 14:30 | 86.0 | 70.3 | 67.1 |
| | 14:45 | 106.2 | 77.3 | 66.4 |
| | 15:00 | 83.0 | 70.3 | 67.0 |
| | 15:15 | 82.7 | 69.9 | 66.8 |
| | 15:30 | 87.6 | 69.3 | 66.4 |
| | 15:45 | 90.7 | 70.2 | 66.5 |
| | 16:00 | 80.8 | 69.1 | 66.8 |
| | 16:15 | 81.3 | 69.0 | 65.9 |
| | 16:30 | 89.8 | 69.7 | 65.7 |
| | 16:45 | 83.8 | 69.2 | 65.7 |
| | 17:00 | 83.6 | 68.5 | 65.7 |
| | 17:15 | 91.0 | 69.9 | 65.7 |
| | 17:30 | 87.4 | 69.0 | 65.6 |
| | 17:45 | 85.6 | 69.4 | 65.7 |
| | 18:00 | 86.4 | 69.2 | 64.6 |
| | 18:15 | 78.6 | 66.9 | 63.5 |
| | 18:30 | 84.9 | 67.5 | 64.1 |
| | 18:45 | 83.9 | 67.8 | 64.3 |
| | 19:00 | 84.3 | 68.0 | 64.4 |
| | 19:15 | 89.1 | 68.6 | 63.8 |
| | 19:30 | 87.3 | 67.1 | 63.4 |
| | 19:45 | 85.1 | 67.5 | 63.4 |
| | 20:00 | 81.9 | 68.3 | 63.7 |

**Table B1: Noise Monitoring Data at LT1**

| Date of Meas. | Start Time | Measured Noise Levels, dB | | |
|---|---|---|---|---|
| | | $L_{Amax,F}$ | $L_{Aeq,15min}$ | $L_{A90,15min}$ |
| Sunday 27th July 2025 | 20:15 | 84.6 | 68.4 | 62.0 |
| | 20:30 | 96.8 | 71.4 | 62.7 |
| | 20:45 | 94.3 | 70.9 | 62.1 |
| | 21:00 | 81.2 | 65.4 | 60.2 |
| | 21:15 | 84.1 | 65.8 | 58.4 |
| | 21:30 | 79.2 | 62.5 | 54.3 |
| | 21:45 | 76.8 | 62.0 | 54.8 |
| | 22:00 | 81.5 | 62.6 | 52.8 |
| | 22:15 | 81.0 | 62.9 | 54.4 |
| | 22:30 | 84.6 | 61.1 | 48.3 |
| | 22:45 | 78.0 | 58.9 | 45.7 |
| | 23:00 | 86.8 | 63.8 | 50.6 |
| | 23:15 | 76.6 | 59.9 | 48.5 |
| | 23:30 | 72.0 | 58.3 | 47.0 |
| | 23:45 | 79.0 | 59.1 | 47.8 |
| Monday 28th July 2025 | 00:00 | 74.3 | 58.8 | 49.0 |
| | 00:15 | 70.9 | 56.5 | 49.0 |
| | 00:30 | 78.6 | 54.4 | 47.8 |
| | 00:45 | 74.6 | 55.6 | 48.8 |
| | 01:00 | 67.3 | 53.1 | 48.7 |
| | 01:15 | 69.0 | 53.3 | 48.3 |
| | 01:30 | 70.5 | 55.0 | 48.9 |
| | 01:45 | 71.2 | 55.8 | 48.2 |
| | 02:00 | 70.9 | 54.2 | 48.3 |
| | 02:15 | 72.1 | 54.1 | 49.6 |
| | 02:30 | 62.5 | 51.3 | 47.8 |
| | 02:45 | 68.9 | 52.2 | 47.5 |
| | 03:00 | 71.4 | 53.9 | 47.7 |
| | 03:15 | 73.9 | 55.2 | 48.8 |
| | 03:30 | 74.7 | 54.9 | 47.5 |
| | 03:45 | 72.2 | 54.9 | 46.9 |
| | 04:00 | 80.4 | 57.6 | 47.3 |
| | 04:15 | 73.6 | 57.5 | 48.5 |
| | 04:30 | 81.3 | 61.0 | 50.2 |
| | 04:45 | 78.8 | 63.8 | 51.9 |
| | 05:00 | 78.7 | 64.1 | 50.3 |
| | 05:15 | 80.3 | 63.3 | 52.3 |
| | 05:30 | 83.0 | 64.6 | 50.4 |
| | 05:45 | 80.9 | 63.4 | 50.7 |
| | 06:00 | 83.7 | 62.8 | 49.7 |
| | 06:15 | 79.0 | 63.9 | 51.8 |
| | 06:30 | 95.8 | 67.8 | 55.0 |
| | 06:45 | 83.8 | 66.2 | 56.1 |
| | 07:00 | 78.3 | 67.0 | 60.0 |
| | 07:15 | 79.6 | 66.1 | 56.4 |
| | 07:30 | 73.9 | 65.8 | 54.4 |

**Table B1: Noise Monitoring Data at LT1**

| Date of Meas. | Start Time | Measured Noise Levels, dB | | |
|---|---|---|---|---|
| | | $L_{Amax,F}$ | $L_{Aeq,15min}$ | $L_{A90,15min}$ |
| Monday 28th July 2025 | 07:45 | 87.2 | 67.2 | 60.0 |
| | 08:00 | 86.7 | 67.4 | 60.6 |
| | 08:15 | 88.8 | 68.1 | 58.6 |
| | 08:30 | 91.6 | 67.6 | 59.1 |
| | 08:45 | 81.0 | 67.0 | 60.3 |
| | 09:00 | 94.1 | 68.6 | 59.1 |

**Table B2: Noise Monitoring Data at LT2**

| Date of Meas. | Start Time | Measured Noise Levels, dB | | |
|---|---|---|---|---|
| | | $L_{Amax,F}$ | $L_{Aeq,15min}$ | $L_{A90,15min}$ |
| Monday 21st July 2025 | 15:45 | 68.6 | 56.1 | 54.7 |
| | 16:00 | 69.0 | 55.7 | 54.6 |
| | 16:15 | 67.2 | 55.6 | 54.7 |
| | 16:30 | 74.3 | 56.5 | 54.7 |
| | 16:45 | 78.9 | 56.7 | 54.8 |
| | 17:00 | 72.2 | 56.4 | 55.0 |
| | 17:15 | 74.3 | 57.4 | 55.7 |
| | 17:30 | 65.9 | 56.1 | 54.7 |
| | 17:45 | 70.6 | 56.9 | 54.4 |
| | 18:00 | 68.0 | 56.0 | 54.5 |
| | 18:15 | 71.6 | 55.7 | 54.3 |
| | 18:30 | 68.5 | 57.5 | 54.9 |
| | 18:45 | 71.1 | 56.7 | 54.6 |
| | 19:00 | 63.5 | 56.0 | 54.8 |
| | 19:15 | 68.0 | 55.5 | 53.9 |
| | 19:30 | 66.6 | 55.5 | 54.3 |
| | 19:45 | 77.9 | 55.9 | 54.5 |
| | 20:00 | 64.3 | 55.3 | 53.8 |
| | 20:15 | 67.9 | 54.9 | 53.2 |
| | 20:30 | 61.6 | 53.9 | 53.0 |
| | 20:45 | 63.7 | 53.7 | 52.6 |
| | 21:00 | 69.2 | 54.8 | 52.6 |
| | 21:15 | 66.8 | 53.6 | 52.4 |
| | 21:30 | 71.1 | 54.0 | 52.6 |
| | 21:45 | 68.7 | 53.2 | 52.3 |
| | 22:00 | 71.6 | 54.0 | 52.2 |
| | 22:15 | 62.3 | 52.9 | 51.8 |
| | 22:30 | 59.9 | 48.1 | 45.8 |
| | 22:45 | 57.3 | 48.2 | 45.5 |
| | 23:00 | 62.4 | 47.9 | 45.7 |
| | 23:15 | 62.5 | 48.1 | 44.9 |
| | 23:30 | 63.5 | 45.7 | 43.1 |
| | 23:45 | 77.3 | 50.7 | 42.5 |
| Tuesday 22nd July 2025 | 00:00 | 55.6 | 44.6 | 43.3 |
| | 00:15 | 54.2 | 44.9 | 43.1 |
| | 00:30 | 56.0 | 44.3 | 41.3 |
| | 00:45 | 53.5 | 44.6 | 41.9 |
| | 01:00 | 57.7 | 44.5 | 42.2 |
| | 01:15 | 65.6 | 46.4 | 42.0 |
| | 01:30 | 65.0 | 46.1 | 41.3 |
| | 01:45 | 57.9 | 44.6 | 40.9 |
| | 02:00 | 75.4 | 47.6 | 40.5 |
| | 02:15 | 66.3 | 46.3 | 41.3 |

**Table B2: Noise Monitoring Data at LT2**

| Date of Meas. | Start Time | Measured Noise Levels, dB | | |
|---|---|---|---|---|
| | | $L_{Amax,F}$ | $L_{Aeq,15min}$ | $L_{A90,15min}$ |
| Tuesday 22nd July 2025 | 02:30 | 54.3 | 44.3 | 40.5 |
| | 02:45 | 54.9 | 44.6 | 40.4 |
| | 03:00 | 55.9 | 45.6 | 41.9 |
| | 03:15 | 75.0 | 49.6 | 42.6 |
| | 03:30 | 62.8 | 44.8 | 40.0 |
| | 03:45 | 71.8 | 47.3 | 40.6 |
| | 04:00 | 70.8 | 48.4 | 40.9 |
| | 04:15 | 68.9 | 48.3 | 42.0 |
| | 04:30 | 71.8 | 47.8 | 43.3 |
| | 04:45 | 66.6 | 47.8 | 41.7 |
| | 05:00 | 75.9 | 49.4 | 41.6 |
| | 05:15 | 63.7 | 47.1 | 42.1 |
| | 05:30 | 87.8 | 58.6 | 44.4 |
| | 05:45 | 76.0 | 50.7 | 43.3 |
| | 06:00 | 64.0 | 49.1 | 44.8 |
| | 06:15 | 65.9 | 50.5 | 45.2 |
| | 06:30 | 66.9 | 51.8 | 46.2 |
| | 06:45 | 70.2 | 54.8 | 46.6 |
| | 07:00 | 59.4 | 49.0 | 46.2 |
| | 07:15 | 78.0 | 53.0 | 46.4 |
| | 07:30 | 66.7 | 52.1 | 49.6 |
| | 07:45 | 69.9 | 52.6 | 50.6 |
| | 08:00 | 63.2 | 52.8 | 51.0 |
| | 08:15 | 65.8 | 52.8 | 51.5 |
| | 08:30 | 65.1 | 53.3 | 51.9 |
| | 08:45 | 69.3 | 54.8 | 52.6 |
| | 09:00 | 71.7 | 53.9 | 51.9 |
| | 09:15 | 66.8 | 53.9 | 52.1 |
| | 09:30 | 62.4 | 53.3 | 52.0 |
| | 09:45 | 59.0 | 53.0 | 51.9 |
| | 10:00 | 64.8 | 53.0 | 51.8 |
| | 10:15 | 74.5 | 54.4 | 51.8 |
| | 10:30 | 70.0 | 55.5 | 52.3 |
| | 10:45 | 79.1 | 55.6 | 54.1 |
| | 11:00 | 71.9 | 56.6 | 54.1 |
| | 11:15 | 71.3 | 55.3 | 54.0 |
| | 11:30 | 70.5 | 60.2 | 59.5 |
| | 11:45 | 67.4 | 60.0 | 59.2 |
| | 12:00 | 68.0 | 59.8 | 59.1 |
| | 12:15 | 68.5 | 60.0 | 59.4 |
| | 12:30 | 74.6 | 60.0 | 59.2 |
| | 12:45 | 74.7 | 61.1 | 59.4 |
| | 13:00 | 72.0 | 60.4 | 59.4 |
| | 13:15 | 71.5 | 60.2 | 59.5 |
| | 13:30 | 66.8 | 59.7 | 59.1 |
| | 13:45 | 66.6 | 59.5 | 59.0 |

**Table B2: Noise Monitoring Data at LT2**

| Date of Meas. | Start Time | Measured Noise Levels, dB | | |
|---|---|---|---|---|
| | | $L_{Amax,F}$ | $L_{Aeq,15min}$ | $L_{A90,15min}$ |
| Tuesday 22nd July 2025 | 14:00 | 73.9 | 59.9 | 59.0 |
| | 14:15 | 66.6 | 59.5 | 59.0 |
| | 14:30 | 68.1 | 59.9 | 59.1 |
| | 14:45 | 74.1 | 59.9 | 59.0 |
| | 15:00 | 74.3 | 60.2 | 59.1 |
| | 15:15 | 81.0 | 59.9 | 59.2 |
| | 15:30 | 71.4 | 59.7 | 58.9 |
| | 15:45 | 65.1 | 59.4 | 58.9 |
| | 16:00 | 69.7 | 59.5 | 58.9 |
| | 16:15 | 70.6 | 59.6 | 58.9 |
| | 16:30 | 70.5 | 59.7 | 58.9 |
| | 16:45 | 73.1 | 60.1 | 59.0 |
| | 17:00 | 69.5 | 59.5 | 59.0 |
| | 17:15 | 74.1 | 60.3 | 59.2 |
| | 17:30 | 69.5 | 59.4 | 58.7 |
| | 17:45 | 64.4 | 59.2 | 58.6 |
| | 18:00 | 76.2 | 59.3 | 58.5 |
| | 18:15 | 67.7 | 59.1 | 58.5 |
| | 18:30 | 71.2 | 59.7 | 58.7 |
| | 18:45 | 68.2 | 59.5 | 58.7 |
| | 19:00 | 77.1 | 59.6 | 58.8 |
| | 19:15 | 65.4 | 59.2 | 58.7 |
| | 19:30 | 71.3 | 59.2 | 58.6 |
| | 19:45 | 69.0 | 59.4 | 58.7 |
| | 20:00 | 67.9 | 59.0 | 58.5 |
| | 20:15 | 64.4 | 59.1 | 58.6 |
| | 20:30 | 64.1 | 59.2 | 58.7 |
| | 20:45 | 70.6 | 59.5 | 58.6 |
| | 21:00 | 71.1 | 59.2 | 58.5 |
| | 21:15 | 71.4 | 59.3 | 58.6 |
| | 21:30 | 67.0 | 59.2 | 58.5 |
| | 21:45 | 61.4 | 59.0 | 58.5 |
| | 22:00 | 62.5 | 58.9 | 58.5 |
| | 22:15 | 67.5 | 59.1 | 58.5 |
| | 22:30 | 72.6 | 59.4 | 58.6 |
| | 22:45 | 73.8 | 58.9 | 58.4 |
| | 23:00 | 62.8 | 55.1 | 44.4 |
| | 23:15 | 61.8 | 46.2 | 43.6 |
| | 23:30 | 65.0 | 46.6 | 43.6 |
| | 23:45 | 62.3 | 45.6 | 43.3 |
| Wednesday 23rd July 2025 | 00:00 | 69.5 | 48.9 | 44.1 |
| | 00:15 | 54.6 | 45.2 | 42.2 |
| | 00:30 | 52.8 | 43.6 | 41.6 |
| | 00:45 | 68.9 | 46.2 | 41.6 |
| | 01:00 | 57.7 | 43.9 | 41.7 |
| | 01:15 | 56.2 | 45.5 | 42.8 |

**Table B2: Noise Monitoring Data at LT2**

| Date of Meas. | Start Time | Measured Noise Levels, dB | | |
|---|---|---|---|---|
| | | $L_{Amax,F}$ | $L_{Aeq,15min}$ | $L_{A90,15min}$ |
| Wednesday 23rd July 2025 | 01:30 | 53.4 | 43.7 | 40.6 |
| | 01:45 | 57.7 | 42.2 | 40.1 |
| | 02:00 | 51.8 | 41.6 | 39.4 |
| | 02:15 | 62.1 | 44.5 | 40.5 |
| | 02:30 | 52.4 | 44.9 | 42.6 |
| | 02:45 | 71.5 | 45.8 | 40.0 |
| | 03:00 | 56.5 | 43.2 | 39.4 |
| | 03:15 | 51.3 | 43.1 | 39.7 |
| | 03:30 | 65.5 | 47.4 | 39.8 |
| | 03:45 | 61.4 | 44.1 | 41.4 |
| | 04:00 | 73.1 | 47.2 | 40.5 |
| | 04:15 | 74.7 | 50.6 | 42.0 |
| | 04:30 | 74.6 | 50.3 | 41.8 |
| | 04:45 | 63.1 | 45.9 | 40.7 |
| | 05:00 | 65.2 | 47.5 | 41.5 |
| | 05:15 | 76.3 | 55.9 | 44.6 |
| | 05:30 | 64.4 | 48.5 | 42.9 |
| | 05:45 | 59.6 | 47.6 | 43.5 |
| | 06:00 | 72.8 | 50.7 | 44.3 |
| | 06:15 | 65.1 | 50.5 | 44.9 |
| | 06:30 | 72.3 | 52.8 | 46.5 |
| | 06:45 | 61.1 | 49.5 | 45.7 |
| | 07:00 | 61.8 | 48.6 | 45.0 |
| | 07:15 | 67.4 | 49.5 | 46.3 |
| | 07:30 | 62.0 | 51.1 | 48.8 |
| | 07:45 | 70.0 | 53.5 | 50.4 |
| | 08:00 | 67.1 | 51.9 | 50.2 |
| | 08:15 | 64.1 | 52.4 | 50.9 |
| | 08:30 | 75.3 | 52.7 | 50.7 |
| | 08:45 | 74.3 | 53.5 | 50.9 |
| | 09:00 | 60.6 | 52.1 | 50.7 |
| | 09:15 | 70.6 | 53.1 | 51.2 |
| | 09:30 | 67.3 | 53.4 | 52.0 |
| | 09:45 | 62.1 | 53.0 | 51.9 |
| | 10:00 | 60.8 | 53.3 | 51.7 |
| | 10:15 | 61.7 | 52.7 | 51.4 |
| | 10:30 | 74.8 | 54.6 | 51.5 |
| | 10:45 | 72.8 | 55.0 | 54.2 |
| | 11:00 | 67.0 | 55.5 | 54.3 |
| | 11:15 | 69.5 | 55.5 | 54.3 |
| | 11:30 | 63.3 | 55.3 | 54.3 |
| | 11:45 | 65.5 | 55.1 | 54.3 |
| | 12:00 | 66.3 | 54.9 | 54.0 |
| | 12:15 | 69.9 | 55.3 | 54.2 |
| | 12:30 | 74.0 | 56.1 | 54.4 |
| | 12:45 | 65.6 | 55.2 | 54.4 |

**Table B2: Noise Monitoring Data at LT2**

| Date of Meas. | Start Time | Measured Noise Levels, dB | | |
|---|---|---|---|---|
| | | $L_{Amax,F}$ | $L_{Aeq,15min}$ | $L_{A90,15min}$ |
| Wednesday 23rd July 2025 | 13:00 | 76.0 | 56.0 | 54.7 |
| | 13:15 | 76.3 | 58.0 | 54.4 |
| | 13:30 | 75.3 | 59.6 | 54.9 |
| | 13:45 | 74.9 | 58.4 | 54.8 |
| | 14:00 | 69.6 | 56.1 | 54.5 |
| | 14:15 | 67.8 | 58.5 | 55.0 |
| | 14:30 | 67.2 | 60.0 | 59.4 |
| | 14:45 | 72.7 | 60.1 | 59.2 |
| | 15:00 | 77.0 | 60.2 | 59.2 |
| | 15:15 | 79.1 | 60.3 | 59.2 |
| | 15:30 | 67.6 | 59.6 | 59.0 |
| | 15:45 | 64.9 | 59.6 | 59.1 |
| | 16:00 | 63.8 | 57.8 | 55.0 |
| | 16:15 | 79.4 | 55.8 | 54.6 |
| | 16:30 | 70.8 | 58.2 | 54.7 |
| | 16:45 | 70.0 | 60.1 | 59.5 |
| | 17:00 | 63.7 | 59.7 | 59.2 |
| | 17:15 | 75.1 | 60.6 | 59.2 |
| | 17:30 | 68.1 | 59.4 | 58.8 |
| | 17:45 | 75.1 | 59.8 | 58.9 |
| | 18:00 | 67.3 | 59.3 | 58.7 |
| | 18:15 | 66.3 | 59.3 | 58.7 |
| | 18:30 | 64.4 | 59.1 | 58.6 |
| | 18:45 | 67.7 | 59.1 | 58.5 |
| | 19:00 | 67.6 | 58.9 | 58.3 |
| | 19:15 | 69.9 | 59.0 | 58.4 |
| | 19:30 | 69.1 | 59.0 | 58.4 |
| | 19:45 | 77.5 | 59.5 | 58.6 |
| | 20:00 | 66.2 | 59.1 | 58.6 |
| | 20:15 | 78.8 | 59.4 | 58.6 |
| | 20:30 | 68.5 | 59.1 | 58.6 |
| | 20:45 | 65.8 | 57.2 | 52.5 |
| | 21:00 | 66.2 | 53.1 | 52.0 |
| | 21:15 | 76.1 | 58.6 | 52.4 |
| | 21:30 | 76.1 | 59.2 | 58.5 |
| | 21:45 | 65.9 | 58.9 | 58.4 |
| | 22:00 | 60.9 | 58.9 | 58.5 |
| | 22:15 | 65.3 | 58.9 | 58.4 |
| | 22:30 | 65.4 | 58.8 | 58.3 |
| | 22:45 | 74.4 | 59.0 | 58.5 |
| | 23:00 | 61.4 | 48.3 | 44.2 |
| | 23:15 | 74.8 | 48.3 | 42.3 |
| | 23:30 | 58.0 | 47.1 | 43.3 |
| | 23:45 | 54.7 | 45.8 | 43.5 |
| Thursday 24th July 2025 | 00:00 | 58.7 | 44.7 | 42.8 |
| | 00:15 | 54.3 | 45.2 | 42.6 |

**Table B2: Noise Monitoring Data at LT2**

| Date of Meas. | Start Time | Measured Noise Levels, dB | | |
|---|---|---|---|---|
| | | $L_{Amax,F}$ | $L_{Aeq,15min}$ | $L_{A90,15min}$ |
| Thursday 24th July 2025 | 00:30 | 61.4 | 45.0 | 42.5 |
| | 00:45 | 58.3 | 45.8 | 43.0 |
| | 01:00 | 56.6 | 44.4 | 42.7 |
| | 01:15 | 56.1 | 44.2 | 42.4 |
| | 01:30 | 57.7 | 46.1 | 42.7 |
| | 01:45 | 64.3 | 46.0 | 42.1 |
| | 02:00 | 56.4 | 44.0 | 41.5 |
| | 02:15 | 55.7 | 43.5 | 40.7 |
| | 02:30 | 60.8 | 43.3 | 39.7 |
| | 02:45 | 51.1 | 44.4 | 41.4 |
| | 03:00 | 66.5 | 46.5 | 42.4 |
| | 03:15 | 58.4 | 44.2 | 41.1 |
| | 03:30 | 66.4 | 45.4 | 40.0 |
| | 03:45 | 75.6 | 49.1 | 41.1 |
| | 04:00 | 69.8 | 48.4 | 43.9 |
| | 04:15 | 73.2 | 48.7 | 44.7 |
| | 04:30 | 61.4 | 47.7 | 43.4 |
| | 04:45 | 72.8 | 50.5 | 44.1 |
| | 05:00 | 63.4 | 49.2 | 44.6 |
| | 05:15 | 64.8 | 47.8 | 43.3 |
| | 05:30 | 69.4 | 50.3 | 43.4 |
| | 05:45 | 67.6 | 48.6 | 43.9 |
| | 06:00 | 69.2 | 50.5 | 45.6 |
| | 06:15 | 66.2 | 49.2 | 45.8 |
| | 06:30 | 71.5 | 52.1 | 46.9 |
| | 06:45 | 68.9 | 51.2 | 46.7 |
| | 07:00 | 73.8 | 53.0 | 48.4 |
| | 07:15 | 66.0 | 50.5 | 46.9 |
| | 07:30 | 66.8 | 51.4 | 49.0 |
| | 07:45 | 71.8 | 53.1 | 50.2 |
| | 08:00 | 75.3 | 53.8 | 51.1 |
| | 08:15 | 68.4 | 53.5 | 51.6 |
| | 08:30 | 64.1 | 53.1 | 51.5 |
| | 08:45 | 66.3 | 53.6 | 51.4 |
| | 09:00 | 65.4 | 52.6 | 51.0 |
| | 09:15 | 67.7 | 53.6 | 51.4 |
| | 09:30 | 62.9 | 53.7 | 52.5 |
| | 09:45 | 68.5 | 53.7 | 52.0 |
| | 10:00 | 71.7 | 54.3 | 51.5 |
| | 10:15 | 66.7 | 53.8 | 52.3 |
| | 10:30 | 71.7 | 55.7 | 53.0 |
| | 10:45 | 74.0 | 57.2 | 54.6 |
| | 11:00 | 71.9 | 55.1 | 53.7 |
| | 11:15 | 66.2 | 56.0 | 55.1 |
| | 11:30 | 69.3 | 57.0 | 55.8 |
| | 11:45 | 71.4 | 58.0 | 55.8 |

**Table B2: Noise Monitoring Data at LT2**

| Date of Meas. | Start Time | Measured Noise Levels, dB | | |
|---|---|---|---|---|
| | | $L_{Amax,F}$ | $L_{Aeq,15min}$ | $L_{A90,15min}$ |
| Thursday 24th July 2025 | 12:00 | 68.0 | 60.5 | 59.9 |
| | 12:15 | 69.1 | 60.1 | 59.5 |
| | 12:30 | 72.3 | 60.3 | 59.5 |
| | 12:45 | 82.9 | 61.0 | 59.3 |
| | 13:00 | 66.5 | 59.7 | 59.2 |
| | 13:15 | 71.4 | 60.0 | 59.0 |
| | 13:30 | 72.6 | 59.6 | 59.0 |
| | 13:45 | 79.1 | 60.6 | 59.1 |
| | 14:00 | 71.6 | 59.9 | 59.1 |
| | 14:15 | 82.7 | 60.1 | 59.1 |
| | 14:30 | 82.8 | 60.2 | 59.2 |
| | 14:45 | 64.2 | 59.8 | 59.3 |
| | 15:00 | 69.5 | 59.9 | 59.3 |
| | 15:15 | 67.8 | 60.0 | 59.3 |
| | 15:30 | 73.3 | 59.9 | 59.2 |
| | 15:45 | 67.2 | 59.7 | 59.2 |
| | 16:00 | 70.8 | 59.8 | 59.1 |
| | 16:15 | 76.9 | 59.7 | 58.8 |
| | 16:30 | 67.1 | 59.3 | 58.8 |
| | 16:45 | 75.6 | 60.0 | 58.9 |
| | 17:00 | 75.3 | 59.4 | 58.9 |
| | 17:15 | 82.6 | 60.0 | 59.2 |
| | 17:30 | 70.3 | 59.9 | 59.3 |
| | 17:45 | 73.5 | 59.9 | 59.3 |
| | 18:00 | 68.4 | 59.7 | 59.2 |
| | 18:15 | 77.3 | 60.0 | 59.2 |
| | 18:30 | 63.8 | 59.5 | 59.0 |
| | 18:45 | 67.5 | 59.5 | 59.1 |
| | 19:00 | 70.8 | 59.8 | 59.1 |
| | 19:15 | 70.8 | 59.9 | 59.1 |
| | 19:30 | 70.3 | 59.7 | 59.2 |
| | 19:45 | 68.8 | 59.9 | 59.1 |
| | 20:00 | 77.7 | 60.7 | 59.2 |
| | 20:15 | 70.0 | 59.7 | 59.0 |
| | 20:30 | 73.0 | 59.8 | 59.1 |
| | 20:45 | 71.6 | 59.7 | 59.0 |
| | 21:00 | 66.7 | 59.5 | 58.9 |
| | 21:15 | 72.6 | 59.8 | 59.1 |
| | 21:30 | 75.2 | 59.7 | 59.0 |
| | 21:45 | 78.7 | 60.0 | 59.0 |
| | 22:00 | 65.0 | 59.4 | 59.0 |
| | 22:15 | 64.2 | 59.3 | 58.6 |
| | 22:30 | 70.6 | 58.7 | 58.2 |
| | 22:45 | 62.2 | 58.7 | 58.3 |
| | 23:00 | 74.0 | 54.8 | 52.0 |
| | 23:15 | 69.8 | 53.7 | 51.8 |

**Table B2: Noise Monitoring Data at LT2**

| Date of Meas. | Start Time | Measured Noise Levels, dB | | |
|---|---|---|---|---|
| | | $L_{Amax,F}$ | $L_{Aeq,15min}$ | $L_{A90,15min}$ |
| Thursday 24th July 2025 | 23:30 | 56.2 | 52.4 | 51.6 |
| | 23:45 | 57.3 | 52.5 | 51.6 |
| Friday 25th July 2025 | 00:00 | 57.4 | 52.3 | 51.6 |
| | 00:15 | 62.6 | 52.4 | 51.5 |
| | 00:30 | 54.7 | 52.3 | 51.5 |
| | 00:45 | 61.5 | 52.5 | 51.6 |
| | 01:00 | 57.3 | 52.2 | 51.4 |
| | 01:15 | 56.1 | 52.3 | 51.4 |
| | 01:30 | 70.9 | 53.0 | 51.7 |
| | 01:45 | 57.4 | 52.2 | 51.5 |
| | 02:00 | 55.7 | 52.0 | 51.2 |
| | 02:15 | 55.6 | 52.0 | 51.3 |
| | 02:30 | 54.4 | 52.2 | 51.5 |
| | 02:45 | 57.2 | 52.2 | 51.4 |
| | 03:00 | 55.8 | 52.0 | 51.2 |
| | 03:15 | 61.3 | 52.1 | 51.2 |
| | 03:30 | 56.3 | 52.1 | 51.4 |
| | 03:45 | 62.9 | 52.3 | 51.4 |
| | 04:00 | 68.4 | 52.5 | 51.5 |
| | 04:15 | 64.9 | 52.7 | 51.5 |
| | 04:30 | 63.1 | 53.0 | 51.9 |
| | 04:45 | 61.9 | 53.4 | 52.2 |
| | 05:00 | 69.3 | 53.7 | 52.2 |
| | 05:15 | 67.7 | 53.7 | 52.4 |
| | 05:30 | 64.6 | 54.0 | 52.4 |
| | 05:45 | 66.8 | 53.5 | 52.4 |
| | 06:00 | 68.3 | 53.3 | 52.3 |
| | 06:15 | 59.8 | 53.8 | 52.5 |
| | 06:30 | 73.1 | 54.7 | 52.7 |
| | 06:45 | 74.0 | 54.5 | 52.9 |
| | 07:00 | 90.4 | 61.0 | 53.0 |
| | 07:15 | 65.1 | 54.1 | 53.0 |
| | 07:30 | 67.2 | 54.2 | 52.7 |
| | 07:45 | 69.7 | 54.9 | 52.9 |
| | 08:00 | 65.4 | 54.2 | 53.0 |
| | 08:15 | 66.9 | 54.3 | 53.0 |
| | 08:30 | 65.1 | 53.8 | 52.4 |
| | 08:45 | 62.2 | 53.3 | 52.1 |
| | 09:00 | 72.6 | 53.4 | 51.7 |
| | 09:15 | 67.4 | 54.1 | 52.3 |
| | 09:30 | 70.0 | 54.8 | 52.8 |
| | 09:45 | 75.4 | 56.8 | 52.9 |
| | 10:00 | 63.1 | 53.8 | 52.7 |
| | 10:15 | 75.3 | 54.8 | 52.6 |
| | 10:30 | 67.0 | 56.0 | 54.3 |
| | 10:45 | 79.0 | 56.4 | 54.5 |

**Table B2: Noise Monitoring Data at LT2**

| Date of Meas. | Start Time | Measured Noise Levels, dB | | |
|---|---|---|---|---|
| | | $L_{Amax,F}$ | $L_{Aeq,15min}$ | $L_{A90,15min}$ |
| Friday 25th July 2025 | 11:00 | 67.6 | 55.4 | 54.3 |
| | 11:15 | 66.7 | 56.3 | 54.5 |
| | 11:30 | 68.6 | 56.1 | 54.9 |
| | 11:45 | 66.3 | 55.6 | 54.6 |
| | 12:00 | 70.3 | 57.0 | 54.8 |
| | 12:15 | 66.4 | 55.8 | 54.9 |
| | 12:30 | 71.6 | 57.0 | 54.9 |
| | 12:45 | 70.8 | 57.9 | 55.2 |
| | 13:00 | 64.7 | 60.0 | 59.5 |
| | 13:15 | 71.8 | 60.0 | 59.4 |
| | 13:30 | 73.8 | 60.1 | 59.4 |
| | 13:45 | 77.8 | 60.5 | 59.5 |
| | 14:00 | 65.3 | 60.1 | 59.6 |
| | 14:15 | 74.7 | 60.5 | 59.5 |
| | 14:30 | 71.5 | 60.3 | 59.7 |
| | 14:45 | 73.2 | 60.2 | 59.5 |
| | 15:00 | 71.5 | 60.5 | 59.4 |
| | 15:15 | 73.1 | 60.7 | 59.5 |
| | 15:30 | 72.4 | 60.8 | 59.7 |
| | 15:45 | 68.9 | 60.6 | 59.7 |
| | 16:00 | 75.5 | 61.0 | 59.7 |
| | 16:15 | 76.6 | 61.1 | 59.6 |
| | 16:30 | 74.2 | 60.3 | 59.4 |
| | 16:45 | 70.8 | 60.1 | 59.4 |
| | 17:00 | 70.4 | 60.1 | 59.3 |
| | 17:15 | 66.0 | 60.1 | 59.5 |
| | 17:30 | 79.1 | 60.8 | 59.4 |
| | 17:45 | 71.5 | 60.3 | 59.4 |
| | 18:00 | 73.7 | 60.1 | 59.3 |
| | 18:15 | 73.5 | 60.8 | 59.3 |
| | 18:30 | 70.6 | 59.8 | 59.2 |
| | 18:45 | 71.1 | 59.9 | 59.2 |
| | 19:00 | 74.5 | 59.9 | 59.1 |
| | 19:15 | 68.9 | 60.0 | 59.3 |
| | 19:30 | 71.3 | 59.9 | 59.2 |
| | 19:45 | 66.1 | 59.7 | 59.1 |
| | 20:00 | 70.4 | 59.8 | 59.1 |
| | 20:15 | 72.6 | 59.6 | 59.0 |
| | 20:30 | 67.2 | 59.9 | 59.2 |
| | 20:45 | 69.6 | 59.8 | 59.2 |
| | 21:00 | 67.4 | 59.7 | 59.1 |
| | 21:15 | 67.5 | 59.7 | 59.2 |
| | 21:30 | 73.2 | 59.6 | 59.1 |
| | 21:45 | 67.2 | 59.6 | 59.1 |
| | 22:00 | 65.4 | 59.5 | 59.0 |
| | 22:15 | 74.7 | 59.7 | 59.0 |

**Table B2: Noise Monitoring Data at LT2**

| Date of Meas. | Start Time | Measured Noise Levels, dB | | |
|---|---|---|---|---|
| | | $L_{Amax,F}$ | $L_{Aeq,15min}$ | $L_{A90,15min}$ |
| Friday 25th July 2025 | 22:30 | 66.5 | 59.3 | 58.9 |
| | 22:45 | 60.8 | 58.7 | 54.9 |
| | 23:00 | 66.7 | 54.8 | 54.1 |
| | 23:15 | 65.8 | 53.2 | 51.4 |
| | 23:30 | 58.9 | 52.2 | 51.2 |
| | 23:45 | 65.7 | 52.1 | 51.2 |
| Saturday 26th July 2025 | 00:00 | 57.4 | 52.0 | 51.2 |
| | 00:15 | 62.9 | 52.1 | 51.1 |
| | 00:30 | 57.0 | 52.0 | 51.1 |
| | 00:45 | 59.4 | 52.0 | 51.1 |
| | 01:00 | 57.6 | 52.0 | 51.1 |
| | 01:15 | 55.6 | 51.8 | 51.1 |
| | 01:30 | 62.6 | 51.9 | 50.9 |
| | 01:45 | 73.7 | 54.2 | 51.2 |
| | 02:00 | 59.4 | 51.9 | 51.1 |
| | 02:15 | 57.8 | 51.8 | 50.9 |
| | 02:30 | 55.0 | 51.7 | 50.9 |
| | 02:45 | 56.3 | 51.7 | 50.9 |
| | 03:00 | 56.6 | 51.8 | 51.0 |
| | 03:15 | 63.8 | 51.7 | 50.8 |
| | 03:30 | 55.6 | 51.4 | 50.6 |
| | 03:45 | 73.7 | 53.2 | 50.8 |
| | 04:00 | 75.1 | 54.4 | 50.8 |
| | 04:15 | 68.1 | 59.2 | 51.2 |
| | 04:30 | 67.1 | 53.5 | 51.4 |
| | 04:45 | 70.8 | 53.0 | 51.0 |
| | 05:00 | 73.9 | 53.2 | 51.1 |
| | 05:15 | 65.6 | 53.4 | 51.2 |
| | 05:30 | 64.9 | 52.6 | 51.5 |
| | 05:45 | 84.3 | 56.7 | 51.9 |
| | 06:00 | 60.6 | 52.9 | 51.9 |
| | 06:15 | 66.8 | 53.4 | 52.2 |
| | 06:30 | 64.0 | 53.1 | 51.9 |
| | 06:45 | 71.4 | 53.0 | 51.6 |
| | 07:00 | 70.4 | 53.5 | 51.8 |
| | 07:15 | 66.8 | 54.8 | 52.2 |
| | 07:30 | 62.1 | 53.5 | 51.8 |
| | 07:45 | 65.4 | 53.6 | 52.1 |
| | 08:00 | 69.3 | 54.8 | 52.3 |
| | 08:15 | 69.9 | 54.8 | 52.3 |
| | 08:30 | 64.9 | 53.6 | 52.2 |
| | 08:45 | 73.6 | 54.3 | 52.3 |
| | 09:00 | 70.0 | 54.4 | 52.2 |
| | 09:15 | 72.6 | 55.1 | 52.3 |
| | 09:30 | 71.7 | 54.7 | 52.3 |
| | 09:45 | 65.6 | 53.6 | 52.4 |

**Table B2: Noise Monitoring Data at LT2**

| Date of Meas. | Start Time | Measured Noise Levels, dB | | |
|---|---|---|---|---|
| | | $L_{Amax,F}$ | $L_{Aeq,15min}$ | $L_{A90,15min}$ |
| Saturday 26th July 2025 | 10:00 | 65.4 | 53.9 | 52.5 |
| | 10:15 | 64.6 | 54.1 | 52.4 |
| | 10:30 | 67.6 | 55.4 | 52.6 |
| | 10:45 | 69.7 | 57.0 | 54.8 |
| | 11:00 | 72.3 | 59.5 | 55.2 |
| | 11:15 | 75.1 | 57.6 | 55.2 |
| | 11:30 | 64.7 | 56.4 | 55.2 |
| | 11:45 | 71.5 | 57.2 | 55.1 |
| | 12:00 | 74.9 | 58.7 | 55.4 |
| | 12:15 | 75.1 | 57.1 | 55.1 |
| | 12:30 | 66.7 | 56.7 | 55.2 |
| | 12:45 | 73.6 | 59.4 | 55.9 |
| | 13:00 | 78.3 | 60.4 | 59.6 |
| | 13:15 | 72.6 | 60.3 | 59.4 |
| | 13:30 | 73.2 | 60.8 | 59.6 |
| | 13:45 | 73.7 | 60.5 | 59.6 |
| | 14:00 | 69.1 | 60.1 | 59.5 |
| | 14:15 | 77.1 | 61.0 | 59.4 |
| | 14:30 | 73.7 | 60.2 | 59.2 |
| | 14:45 | 71.2 | 60.1 | 59.4 |
| | 15:00 | 78.7 | 60.0 | 59.3 |
| | 15:15 | 73.0 | 60.1 | 59.5 |
| | 15:30 | 72.6 | 60.6 | 59.5 |
| | 15:45 | 65.9 | 60.0 | 59.4 |
| | 16:00 | 68.3 | 60.4 | 59.6 |
| | 16:15 | 76.3 | 60.3 | 59.5 |
| | 16:30 | 73.7 | 60.1 | 59.3 |
| | 16:45 | 65.7 | 59.7 | 59.2 |
| | 17:00 | 69.6 | 60.0 | 59.2 |
| | 17:15 | 70.0 | 60.2 | 59.3 |
| | 17:30 | 70.7 | 60.1 | 59.4 |
| | 17:45 | 71.3 | 59.6 | 59.1 |
| | 18:00 | 72.3 | 59.8 | 58.9 |
| | 18:15 | 68.0 | 60.1 | 59.0 |
| | 18:30 | 65.7 | 59.8 | 59.2 |
| | 18:45 | 65.4 | 59.9 | 59.3 |
| | 19:00 | 68.6 | 59.8 | 59.2 |
| | 19:15 | 71.0 | 59.7 | 59.2 |
| | 19:30 | 78.4 | 60.3 | 59.3 |
| | 19:45 | 71.0 | 60.1 | 59.2 |
| | 20:00 | 73.1 | 60.1 | 59.2 |
| | 20:15 | 73.5 | 60.0 | 59.2 |
| | 20:30 | 71.9 | 60.1 | 59.3 |
| | 20:45 | 68.7 | 60.2 | 59.5 |
| | 21:00 | 65.6 | 60.0 | 59.2 |
| | 21:15 | 71.2 | 60.5 | 59.5 |

**Table B2: Noise Monitoring Data at LT2**

| Date of Meas. | Start Time | Measured Noise Levels, dB | | |
|---|---|---|---|---|
| | | $L_{Amax,F}$ | $L_{Aeq,15min}$ | $L_{A90,15min}$ |
| Saturday 26th July 2025 | 21:30 | 71.7 | 60.2 | 59.5 |
| | 21:45 | 71.2 | 60.2 | 59.5 |
| | 22:00 | 96.7 | 76.3 | 60.5 |
| | 22:15 | 71.2 | 61.0 | 60.0 |
| | 22:30 | 71.4 | 60.7 | 59.9 |
| | 22:45 | 66.6 | 60.6 | 59.9 |
| | 23:00 | 64.9 | 56.0 | 53.9 |
| | 23:15 | 63.1 | 53.2 | 51.9 |
| | 23:30 | 64.2 | 52.6 | 51.6 |
| | 23:45 | 56.8 | 52.1 | 51.3 |
| Sunday 27th July 2025 | 00:00 | 70.3 | 61.4 | 51.7 |
| | 00:15 | 69.6 | 64.3 | 51.8 |
| | 00:30 | 56.5 | 51.9 | 51.1 |
| | 00:45 | 58.6 | 51.9 | 51.1 |
| | 01:00 | 57.4 | 52.0 | 51.2 |
| | 01:15 | 57.2 | 51.9 | 51.1 |
| | 01:30 | 60.3 | 52.0 | 50.9 |
| | 01:45 | 54.6 | 51.5 | 50.7 |
| | 02:00 | 70.2 | 62.1 | 50.7 |
| | 02:15 | 70.4 | 63.4 | 50.4 |
| | 02:30 | 55.3 | 51.1 | 50.2 |
| | 02:45 | 56.5 | 51.2 | 50.4 |
| | 03:00 | 64.2 | 51.2 | 50.3 |
| | 03:15 | 58.7 | 51.1 | 50.3 |
| | 03:30 | 57.6 | 51.0 | 50.1 |
| | 03:45 | 59.6 | 51.0 | 50.3 |
| | 04:00 | 76.4 | 51.8 | 50.3 |
| | 04:15 | 71.8 | 51.6 | 50.2 |
| | 04:30 | 74.0 | 53.3 | 50.5 |
| | 04:45 | 75.0 | 54.4 | 50.8 |
| | 05:00 | 76.8 | 53.8 | 50.9 |
| | 05:15 | 74.3 | 53.0 | 51.2 |
| | 05:30 | 63.5 | 52.3 | 51.3 |
| | 05:45 | 70.3 | 52.7 | 51.3 |
| | 06:00 | 62.1 | 52.1 | 51.0 |
| | 06:15 | 57.7 | 52.1 | 51.2 |
| | 06:30 | 70.3 | 53.0 | 51.5 |
| | 06:45 | 64.9 | 52.7 | 51.5 |
| | 07:00 | 60.7 | 52.5 | 51.5 |
| | 07:15 | 59.1 | 52.7 | 51.6 |
| | 07:30 | 73.3 | 53.5 | 51.5 |
| | 07:45 | 66.3 | 53.2 | 51.5 |
| | 08:00 | 69.5 | 53.7 | 51.8 |
| | 08:15 | 64.7 | 53.0 | 51.7 |
| | 08:30 | 72.8 | 53.7 | 51.7 |
| | 08:45 | 67.0 | 53.3 | 52.1 |

**Table B2: Noise Monitoring Data at LT2**

| Date of Meas. | Start Time | Measured Noise Levels, dB | | |
|---|---|---|---|---|
| | | $L_{Amax,F}$ | $L_{Aeq,15min}$ | $L_{A90,15min}$ |
| Sunday 27th July 2025 | 09:00 | 74.7 | 55.1 | 52.4 |
| | 09:15 | 73.2 | 55.9 | 52.5 |
| | 09:30 | 67.5 | 53.8 | 52.4 |
| | 09:45 | 77.3 | 54.1 | 52.1 |
| | 10:00 | 73.2 | 54.9 | 52.7 |
| | 10:15 | 67.9 | 56.2 | 54.7 |
| | 10:30 | 60.3 | 55.2 | 54.5 |
| | 10:45 | 77.1 | 56.6 | 54.8 |
| | 11:00 | 87.6 | 60.6 | 55.1 |
| | 11:15 | 66.6 | 56.3 | 55.2 |
| | 11:30 | 68.4 | 57.2 | 55.8 |
| | 11:45 | 69.8 | 56.9 | 55.5 |
| | 12:00 | 72.7 | 57.5 | 55.6 |
| | 12:15 | 77.3 | 57.3 | 55.6 |
| | 12:30 | 76.6 | 57.1 | 55.5 |
| | 12:45 | 68.9 | 56.2 | 55.4 |
| | 13:00 | 80.1 | 58.8 | 55.6 |
| | 13:15 | 69.6 | 59.5 | 55.8 |
| | 13:30 | 74.5 | 60.8 | 60.0 |
| | 13:45 | 75.2 | 60.6 | 59.9 |
| | 14:00 | 70.2 | 60.7 | 59.9 |
| | 14:15 | 75.4 | 60.9 | 60.1 |
| | 14:30 | 70.4 | 60.9 | 60.1 |
| | 14:45 | 76.2 | 61.1 | 60.0 |
| | 15:00 | 70.4 | 60.8 | 60.1 |
| | 15:15 | 74.8 | 61.0 | 60.1 |
| | 15:30 | 66.5 | 60.6 | 60.0 |
| | 15:45 | 74.7 | 60.7 | 60.0 |
| | 16:00 | 68.4 | 60.7 | 60.0 |
| | 16:15 | 69.4 | 60.6 | 59.9 |
| | 16:30 | 78.6 | 61.1 | 59.6 |
| | 16:45 | 72.3 | 60.0 | 59.3 |
| | 17:00 | 65.4 | 60.0 | 59.4 |
| | 17:15 | 77.2 | 60.1 | 59.2 |
| | 17:30 | 66.5 | 59.9 | 59.3 |
| | 17:45 | 65.6 | 59.8 | 59.2 |
| | 18:00 | 77.9 | 60.6 | 59.4 |
| | 18:15 | 79.7 | 60.2 | 59.3 |
| | 18:30 | 64.7 | 59.9 | 59.4 |
| | 18:45 | 70.9 | 60.1 | 59.5 |
| | 19:00 | 73.3 | 60.2 | 59.6 |
| | 19:15 | 72.1 | 60.4 | 59.7 |
| | 19:30 | 72.2 | 60.2 | 59.7 |
| | 19:45 | 62.9 | 60.0 | 59.4 |
| | 20:00 | 70.4 | 60.3 | 59.5 |
| | 20:15 | 75.8 | 60.5 | 59.5 |

**Table B2: Noise Monitoring Data at LT2**

| Date of Meas. | Start Time | Measured Noise Levels, dB | | |
|---|---|---|---|---|
| | | $L_{Amax,F}$ | $L_{Aeq,15min}$ | $L_{A90,15min}$ |
| Sunday 27th July 2025 | 20:30 | 64.9 | 59.9 | 59.4 |
| | 20:45 | 73.8 | 60.1 | 59.4 |
| | 21:00 | 68.4 | 60.0 | 59.4 |
| | 21:15 | 64.9 | 59.7 | 59.2 |
| | 21:30 | 62.9 | 59.4 | 59.0 |
| | 21:45 | 65.6 | 59.4 | 59.0 |
| | 22:00 | 68.7 | 59.7 | 59.1 |
| | 22:15 | 68.8 | 59.7 | 59.2 |
| | 22:30 | 67.6 | 59.7 | 59.2 |
| | 22:45 | 66.6 | 59.7 | 59.3 |
| | 23:00 | 67.7 | 55.0 | 54.1 |
| | 23:15 | 65.4 | 54.7 | 54.0 |
| | 23:30 | 63.1 | 54.5 | 53.6 |
| | 23:45 | 79.9 | 52.4 | 50.7 |
| Monday 28th July 2025 | 00:00 | 72.5 | 51.6 | 50.7 |
| | 00:15 | 55.8 | 51.2 | 50.5 |
| | 00:30 | 55.9 | 51.3 | 50.5 |
| | 00:45 | 61.9 | 51.6 | 50.7 |
| | 01:00 | 53.8 | 50.9 | 50.4 |
| | 01:15 | 54.1 | 51.2 | 50.5 |
| | 01:30 | 55.7 | 51.4 | 50.6 |
| | 01:45 | 54.8 | 51.3 | 50.4 |
| | 02:00 | 64.3 | 51.7 | 50.7 |
| | 02:15 | 57.2 | 51.3 | 50.5 |
| | 02:30 | 56.1 | 51.5 | 50.6 |
| | 02:45 | 55.2 | 51.2 | 50.5 |
| | 03:00 | 68.0 | 58.9 | 50.7 |
| | 03:15 | 69.5 | 64.7 | 63.4 |
| | 03:30 | 69.1 | 61.4 | 50.9 |
| | 03:45 | 55.2 | 51.5 | 50.8 |
| | 04:00 | 63.5 | 52.0 | 51.0 |
| | 04:15 | 68.2 | 52.7 | 51.6 |
| | 04:30 | 78.4 | 56.2 | 51.9 |
| | 04:45 | 74.0 | 55.6 | 52.0 |