

Baseline Survey Report

Project Ref.: 20638

Period: 21 December 2023 to 03 January 2024

Site Address:

12 Pilgrims Lane, Camden NW3 1SN

For:

Sterling N3 Constructors Ltd

55 The Fairway,

Northolt UB5 4SL

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Introduction:

Environmental Sensors Ltd. has been appointed by Erith Contractors Ltd, Erith House, Queen Street Erith DA8 1RP, in order to establish current noise profile of the area

This baseline survey presents data for the period from 21 December 2023 to 03 January 2023, prior to demolition activities.

Monitoring Locations:

During baseline survey an automated noise monitors were installed around the site as per Figure 1 Indicative site plan.

The current noise profile is typical for a residential area with some traffic noise,



Figure 1 Indicative Site Plan with baseline monitoring locations (ref. Google Maps).

Equipment:

The following equipment has been used during the survey:

- 2No. Convergence Instruments Class 1 noise data loggers
- Svantek SV33 Class 1 sound calibrator

Noise Baseline Survey

The results of the background noise monitoring are shown as a time history of L_{Aeq} , averaged over 1-hour sample periods as shown in Figures 20625.WK1.NTHx - 20625.WK2.NTHx. Average A-weighted residual noise levels (L_{Aeq}) are shown below in Table 2.

	Location 1 $L_{Aeq,T}$	Location 1 $L_{Aeq,T}$
Daytime (Mon-Fri) (07:00 – 23:00)	55	51
Weekend (Sat-Sun) (07:00 – 23:00)	53	48
Weekday (08:00 – 18:00)	56	52
Weekend 08:00 – 13:00	50	47

Table 1 Measured residual noise levels

During the baseline survey some days were ‘Bank Holidays’ therefore 21/22/27/28/29 December and 02/03 January were considered as representative dates for weekdays while: 24/25/26/30/31 December and 01 January were considered as representative dates for weekend.

Daily current noise levels during expected operating hours 08:00 – 18:00 for each weekday and 08:00 – 13:00 on weekend have been presented on the graph below (Figure 2).

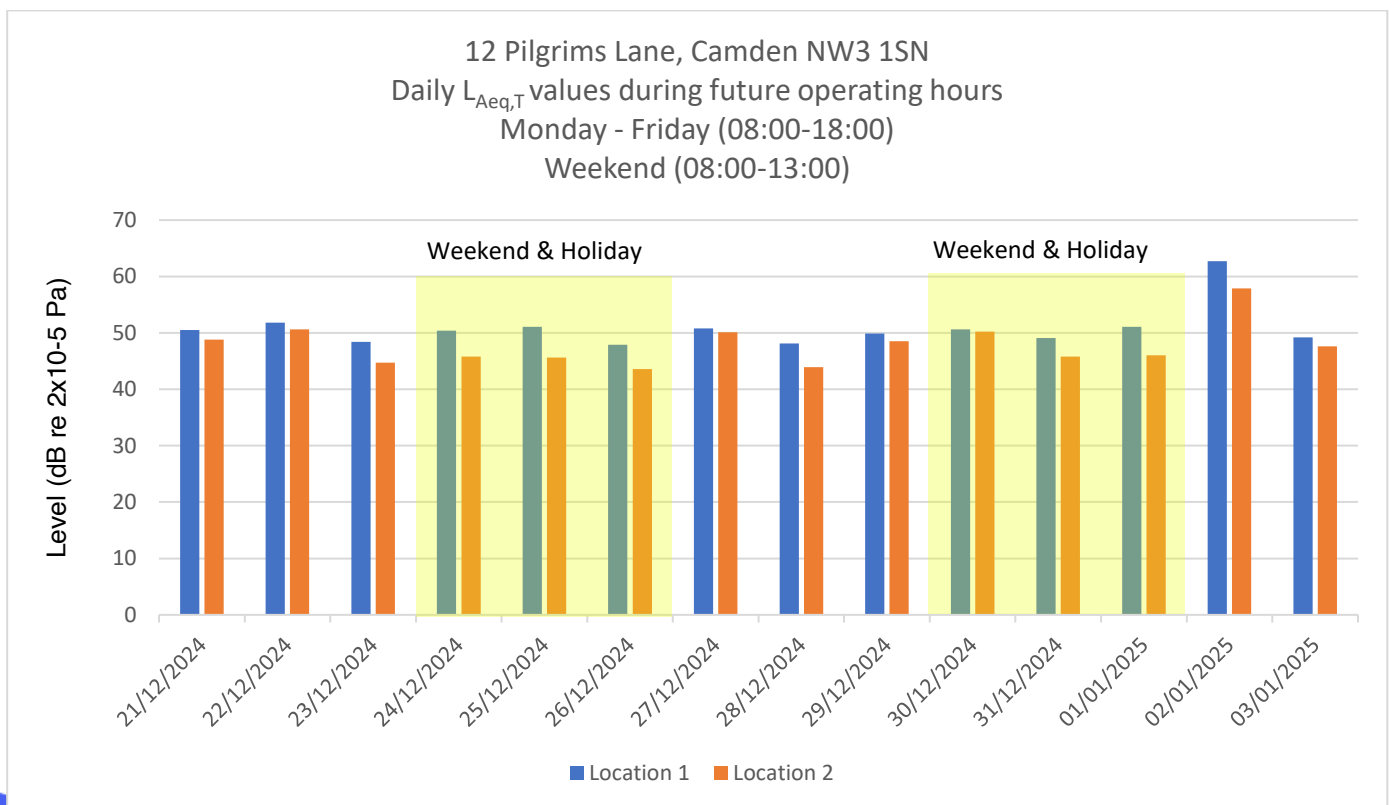


Figure 2 Baseline average daily noise levels on weekdays 08:00 – 18:00 ($L_{Aeq, 10hours}$) and weekend 08:00 – 13:00 ($L_{Aeq, 5hours}$)

Hourly L_{Aeq} values for each location have been presented in Figures: 3 and 4. The highest $L_{Aeq, 1hour}$ in Location 1 during weekday was 72dBA in Location 1 and 67dBA in Location 2. During the survey most data during weekday were below 55dBA in Location 1 and 50dBA in Location 2. It is important to notice that on 2nd January, there is increase of noise and during the daytime the values are between 55 and 67 in Location 1 and 50 to 66 in Location 2. The increase in noise levels may be related to return to typical work pattern following Christmas period.

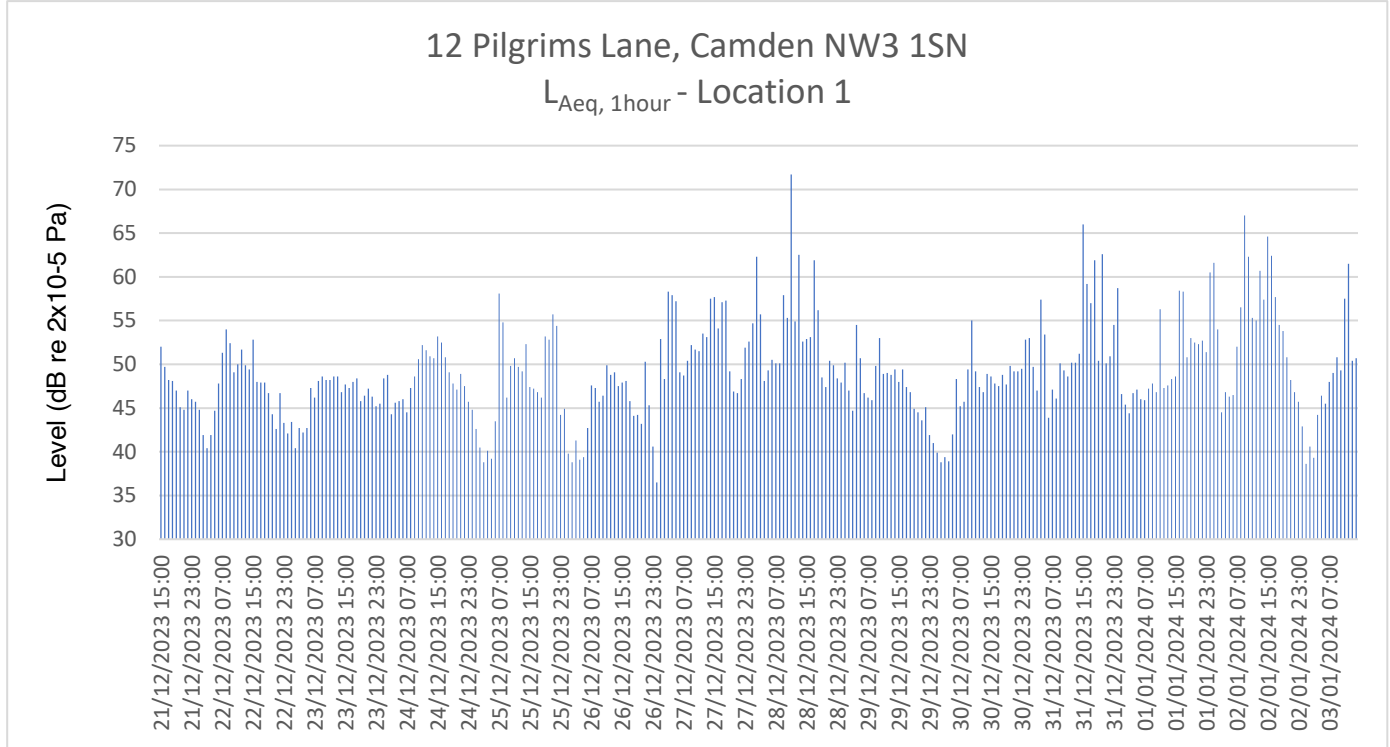


Figure 3 $L_{Aeq, 1 hour}$ values in Location 1

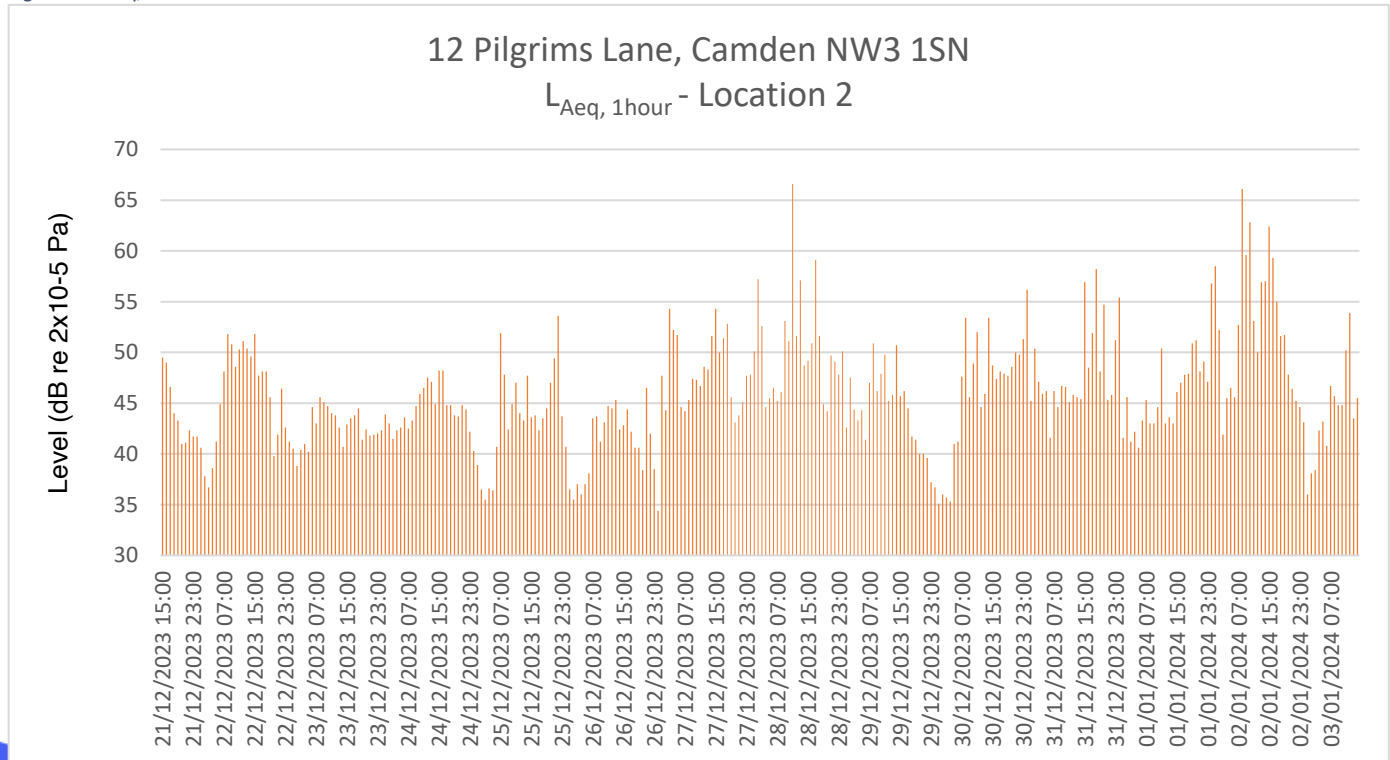


Figure 4 $L_{Aeq, 1 hour}$ values in Location 2

Conclusions

ES Monitoring Ltd. has been appointed by Sterling N3 Constructors Ltd, in order to establish current noise profile of the area around 12 Pilgrims Lane, Camden NW3 1SN.

This baseline survey presents data for the period from 21 December 2023 to 02 January 2024, prior to any on-site activities.

The noise profile was typical for residential area with some the traffic noise.

The daily noise levels in Location 1 were mostly below 55 dBA while in Location 2 below 50dBA. On 2nd January following the Christmas holiday the noise levels in both locations were noticeable higher with 50% of values above 60dB_A in Location 1 and 70% of values above 55dB_A in Location 2.

The highest measured values L_{Aeq, 1 hour} were respectively 72dB and 67dB.

Typical daily L_{Aeq, T} values were 56dB_A and 52dB_A during weekdays. The highest daily L_{Aeq, T} was 63dB_A in Location 1 and 58dB_A in Location 2.