**Fastlay Baseline Noise Monitoring Assessment**

Map

Description automatically generatedBaseline noise monitoring was undertaken on the 23rd March 2022 between 10:13 and 16:26 and on the 28th March between 11:50 and 18:48. This was continuous monitoring between these hours using a calibrated CEL-633A noise monitor – see attached calibration certificate. Monitoring was undertaken at Location A as marked on Figure 1 below. This is located 77m south from the nearest residential property and 55m west of an area of Ancient and Semi-Natural Woodland at the closest boundary, as shown on Figure 2 below. Noise levels received at these receptors have been calculated based on the noise levels recorded at the monitoring location (Location A).

Map

Description automatically generatedFigure 1. Location map showing the baseline noise monitoring location.

Figure 2. Location map showing the baseline noise monitoring location and proximity to noise receptors.

Table 1. Cumulative outputs from baseline noise monitoring.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| START DATE/TIME | END DATE/TIME | LAIeq | **LAeq** | LCpeak | LAImax | LAImax (time) | LAFmax | LAFmax (time) | LASmax |
| 23/03/2022 10:13 | 23/03/2022 16:29 | 69.5 | **65.2** | 113.1 | 98.4 | 10:28:57 | 96.5 | 10:31:01 | 93.4 |
| 28/03/2022 11:50 | 28/03/2022 18:48 | 72.8 | **66.6** | 116.7 | 99.2 | 14:22:57 | 97.4 | 14:22:57 | 93.3 |

Chart

Description automatically generated

Figure 3. Periodic outputs from baseline noise monitoring, 23rd March 2022.

Chart

Description automatically generatedFigure 4. Periodic outputs from baseline noise monitoring, 28rd March 2022.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| START DATE/TIME | END DATE/TIME | **LAeq** | **PROJECTED NOISE RECEIVED AT LOCATION\*** | |
| **RESIDENTIAL PROPERTY (77m north)** | **WOODLAND (55m east)** |
| 23/03/2022 10:13 | 23/03/2022 16:29 | **65.2** | **19.3** | **22.2** |
| 28/03/2022 11:50 | 28/03/2022 18:48 | **66.6** | **20.7** | **23.6** |

\*calculated using [https://noisetools.net/barriercalculator?source=[1.5,500,65.2]&receiver=[1.5,55]&barrier=[0]&walls=[0,0]&temperature=20&humidity=70&G=0&limit=1&display=1](https://noisetools.net/barriercalculator?source=%5b1.5,500,65.2%5d&receiver=%5b1.5,55%5d&barrier=%5b0%5d&walls=%5b0,0%5d&temperature=20&humidity=70&G=0&limit=1&display=1)

Appendix A

Noise Calibration Certificate

Graphical user interface

Description automatically generated

Text

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A picture containing indoor, cluttered

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