

Noise, dust, and vibration monitoring and reporting for Plot A2

We are conscious of the impact of construction works on residents immediately adjacent to Plot A2. As well as implementing stringent mitigation measures, we carefully monitor noise, dust, and vibration to ensure we're operating safely and within the limits set by Southwark Council. This note provides more detail on how we monitor and record site impact and the limits we work within.

How we record and monitor

We have installed state-of-the-art monitors at Plot A2 that are engineered to record noise, dust, and vibration from construction activity. They have been specifically calibrated to the surrounding environs, so we ensure we're measuring activity accurately and in accordance with the relevant industry regulations.

The monitors at Plot A2 record real-time data 24/7, which our project team has live access to via a cloud-based portal. Through this online portal we operate a 'trigger alert' system. This sends live alerts directly to the mobile phones of our site teams when we reach a set threshold. The set threshold is lower than our maximum limits, enabling our site team to take action to address any continuous exceedances.

Reporting

Adherence to limits for noise, dust and vibration is a condition of operating any construction site in Southwark. Reporting is a robust process that holds contractors to account.

We regularly report our environmental performance at Plot A2 to Southwark Council. The Environmental Health Officer (EHO) at Southwark Council reviews the data to ensure we're operating within the limits set. We must provide explanation for any anomalies in the data and take onboard feedback on areas for improvement if necessary.

Our environmental limits

These limits are set within our Section 61 consent, dictated by the EHO at Southwark Council and are as follows:

- **Noise:** 75db average over a 10-hour period. Individual exceedances may occur.
- **Dust:** 190 µg/m³ average over a 60-minute period
- **Vibration:** 5 mm/s

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Location of monitors

Our monitors are situated on the site boundary, closest to the nearest affected residential receptors. These locations have been agreed with the EHO at Southwark Council.

These are highlighted on the below site plan at 1 and 2.

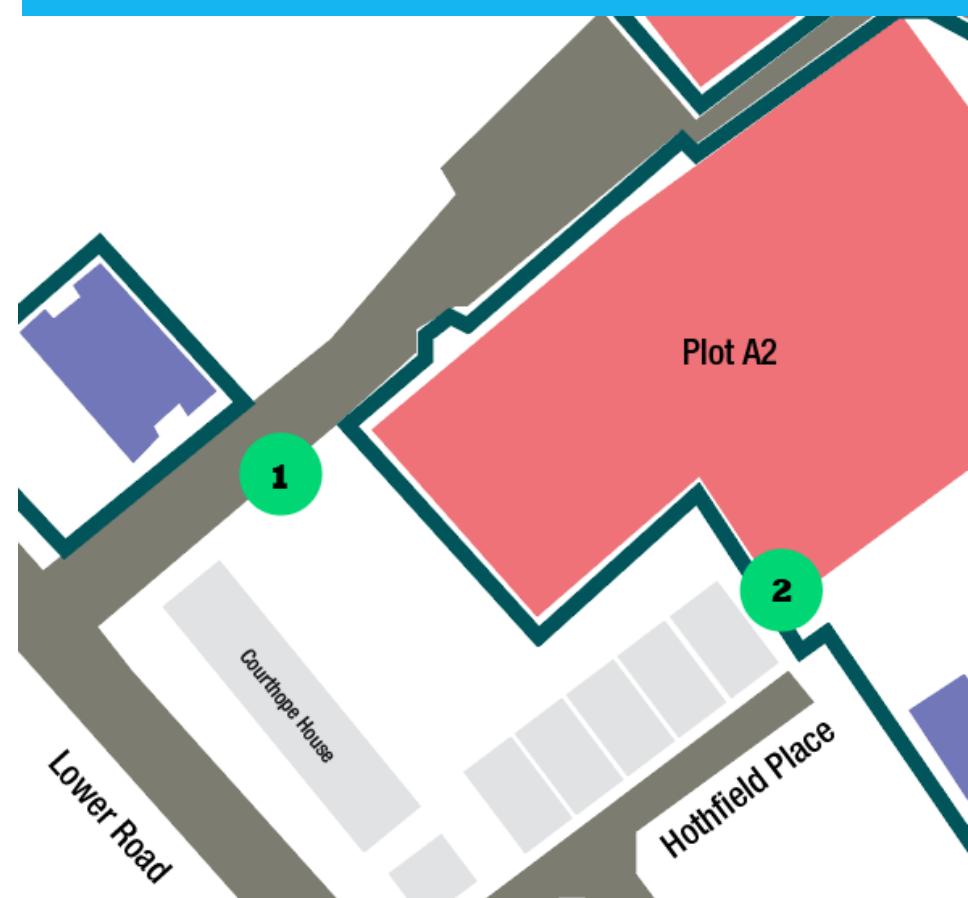


Figure 1: Plot A2 monitoring locations