

Environmental Monitoring Scope

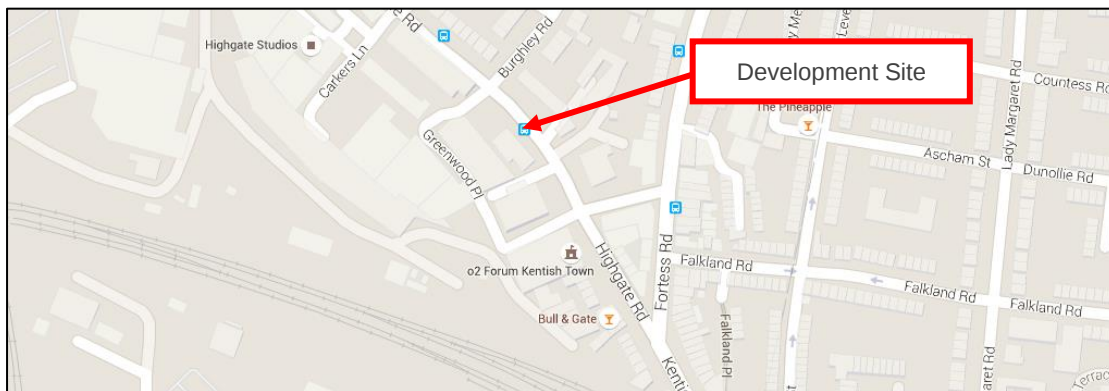
Introduction

A new community resource centre is being developed at Greenwood Place, Kentish Town. A number of noise sensitive neighbouring buildings are located in close proximity to the site. Noise, vibration and airborne particle (dust) monitoring is therefore required in order to provide a means of measuring, alerting and reporting on ongoing noise, vibration and airborne particulate emissions from the development site.

This letter presents our proposals for monitoring at the development site.

Site Location

The development site is located at 25-37 Greenwood Place, Kentish Town and falls within Camden Borough Council's jurisdiction. See Location Map below:



Location Map (Map data @2016 Google)

Site Plan

The below site plan shows the location of the new resource centre as well as the surrounding neighbouring buildings.



Site Plan (Kier Construction)

To the north west of site lies the closest neighbouring building to site, Deane House, which sits directly on the site boundary and has multiple windows overlooking site. We understand Deane House is home to a number of businesses and therefore due to the proximity and occupancy of this building as well as the heavy works we understand are proposed in this area (which includes sheet piling), it is likely to be the most sensitive receptor during the project.

To the south/southwest of site lies a busy industrial yard which bounds the overground line and has existing site cabins. Due to the nature of this area we do not expect there to be any nuisance caused from emissions along this boundary from the new development site.

To the north/north east of site lies Lensham House and other buildings which appear to be industrial-office based premises. There could therefore be some nuisance caused along this boundary.

To the south east of site lies a disused church and the O2 Forum. We understand the Forum has some offices and therefore there could be some nuisance caused in this area.

Proposed Monitoring Positions

As discussed on site, monitoring locations would ideally be located at the nearest noise sensitive receptors. In the first instance, we recommend discussing the possibility of this with neighbours and would highlight that all monitoring positions will need to be secure, accessible and have continuous mains supply. If this cannot be arranged, positions should be located on the site boundary.

We therefore propose:

- Noise monitoring – 3No. positions to provide contiguous 15-minute interval measurements of L_{Aeq} and $L_{Amax,f}$ noise levels at each of the three nearest noise sensitive receptors: Deane House, Lensham House and The O2 Forum.
- Vibration monitoring – 3No. positions to provide contiguous 15-minute interval measurements of the PPV (Peak Particle Velocity) vibration levels at each of the three nearest sensitive receptors: Deane House, Lensham House and The O2 Forum.
- Airborne particle (dust) monitoring – 3No. positions to provide contiguous 15-minute interval measurements of the PM10 airborne particulate levels at each of the three nearest sensitive receptors: Deane House, Lensham House and The O2 Forum.

We understand the above equipment is required from 17 October 2016 for a minimum period of 89 weeks.

Alerting and Reporting

The monitoring equipment shall:

- Be capable of providing text and email alerts to multiple recipients, configurable per position.
- Be capable of streaming data 'live' to a single combined website for noise, vibration and dust. The website shall:
 - Show 'live' data based upon 15-minute intervals for noise and vibration.
 - Identify when these levels are breached
 - Display historic results since the beginning of the project.

Due to the capabilities of our website which we have demonstrated to you, and the capability of the equipment to provide email and text alerts based on agreed trigger levels, we are not proposing reports for the project. Please let us know however if Camden will require regular reports.