

Appendix 5: Noise, Vibration and Dust Mitigation Checklist

Guidance on filling in this checklist

Please use the boxes below each question to provide a response. Please feel free to provide further information in an appendix where necessary. With some questions the Council expects further detailed information to be provided in an appendix and is made clear in the question.

1. What is the full postal address of the site?

31 Willoughby Road
London
NW3 1RT

2. Please give a very brief description of the work and include a site layout plan.

Excavation to form basement below partial building footprint

3. Please provide contact details for the person responsible for completing this form.


Your Name	David Kavanagh
Address	26-28 Hammersmith Grove London W6 7BA
Company/Organisation	Cranbrook Basement Design and Construction Ltd
Telephone No.	0208 498 8355
Email:	david@cranbrook.co.uk

4. Please confirm that you have read and understood the Council's [Code of Construction Practice](#) and the GLA's Supplementary Planning Guidance on the [Control of Dust and Emissions During Construction and Demolition](#).

Yes	Yes	No	
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5. Please provide contact details of the main contractor and contact names on site of the person responsible for managing the project. If these details are not known at the time of the planning application, please provide details of the Owner/Applicant as the person ultimately responsible for ensuring noise, vibration and dust are mitigated.

Please note details of the contractor and the person responsible for managing the site should be provided to the Council prior to starting works.

Your Name	 Mr J Przewozniak & Ms M Eleuteri (Applicants)
Address	31 Willoughby Road London NW3 1RT
Company/Organisation	N/A
Telephone No.	N/A
Email:	N/A

6. Pre-submission Neighbour Consultation

Please detail how neighbours have been consulted with regard to liaison during the development and minimising the impact of construction work. Please confirm you have contacted the Residents' Association for the street (if there is one). Please identify whom you liaised with and where they live. Similar information is requested for the Draft CTMP and the consultation can be co-ordinated.

Local people understand the local context and can provide constructive and valuable advice on how best to carry out a development given the context. Details of the Borough's Residents' Associations can be found [here](#)

The following residents were contacted via post on 16th May 2024, in relation to the 'Construction Management Plan' for the project;
23, 25, 27, 29, 30, 33, 42, 44, 46, 48 & 50 Willoughby Road.
A consultation with the 'Pilgrim's to Willoughby Residents Association' was undertaken by email on 18th November 2024. Copies of the 'Construction Management Plan' and Existing and Proposed drawings for the project were sent to the following email address; chair@p2wra.org

7. Site Categorisation

Please specify if the basement works are Category 1 or Category 2, using the guidance in Section 8.0 and Table 3 of the Royal Borough's Code of Construction Practice (CoCP).

Most basement excavation is classed as Category 1 in the CoCP unless it is less than 50 cu m in which case it is Category 2.

Category 1

8. Programme

An overview of the programme should be outlined below specifying the time Period for Proposed Works (from and to) and further detail for each construction phase and the predicted dates should be **provided in an Appendix.**

The programme should be co-ordinated with the programme submitted for CTMP in terms of the overall timescales and for different stages. If possible it should include periods where particular heavy machinery like piling rigs, demolition and breaking plant, concreting equipment, cranes etc would be needed bearing in mind site constraints and the guidance in the CTMP template together with on-site works.

Programme TBC

9. Construction methods to be used in each stage of development and predicted noise levels

*This section should include the following information, **the detail of which should be submitted in an appendix.***

Please note, the appendix should explain the construction methods and methodology to be used including an estimate of the length of the programme. The following table provides an example. For each activity/phase, a prediction of the airborne construction noise level (as a 10-hour daily estimated LAeq value) at the nearest sensitive facade(s), should be provided. The section should be completed with the assistance of a competent acoustician who should be a member of the Institute of Acoustics.

Operation	Activity Equivalent Continuous Sound Pressure Level L _{Aeq:10hour} at 10m BS8228 Noise Emissions dB(A)
Circular Bench Saw	66.5
Hand Drill/Cordless Handheld Tools	70.4

BS5228:2009 Noise Emissions Data for Site Operations – Phase 1 – Site Setup / Hoarding

Operation	Activity Equivalent Continuous Sound Pressure Level L _{Aeq:10hour} at 10m BS8228 Noise Emissions dB(A)
110v Medium Duty Breakers	63.6
110v Heavy Breakers	64.9
Hand Drill/Cordless Handheld Tools	60.2
Steel Cutting	60.5
Hand Held Welder	60.7

BS5228:2009 Noise Emissions Data for Site Operations – Phase 2 – Excavation

Operation	Activity Equivalent Continuous Sound Pressure Level L _{Aeq:10hour} at 10m BS8228 Noise Emissions dB(A)
Lorry (4-axle)	77.8

Table 8.3: BS5228:2009 Noise Emissions Data for Site Operations – Throughout Project

10. High Impact Works

Detail those works that fall within the definition of 'High Impact' works provided within Section 9.0 of the Code of Construction Practice.

For example the CoCP includes demolition, piling, party wall works, bulk excavation using mechanical excavators as potentially high impact works.

High impact works have restricted working hours of Monday – Friday 9am to noon and 2pm to 5.30pm

Normal permitted hours for noisy work in the Borough are Monday to Friday 8am to 6pm. Noisy works are not permitted on Saturdays, Sundays or Public Holidays or outside the periods above if they will be audible at the site boundary.

Trimming foundations
Sheet steel piling
Concrete mixer
Concrete pump
Cutting concrete floor slab
Cutting concrete blocks
Cutting steel

11. Proposed steps to minimise noise and vibration

Please provide a summary of the proposed mitigation to minimise noise and vibration during construction including general measures as well as specific measures linked to the construction methods outlined in the response to previous questions. This should be done using the guidance provided in Section 10. of the Code of Construction Practice and with reference to BS 5228. Please append this information.

Deviation from approved method statements will be permitted only with prior approval from relevant parties. This will be facilitated by formal review before any deviation is undertaken.

All operatives on site will be trained to ensure that noise minimisation and best practicable means (BPM) are implemented at all times. Works will be checked regularly by Site Engineers to ensure that BPM are being undertaken and where necessary corrective actions implemented.

Employees must show consideration to the sensitive receptors, including residential neighbours, and must not generate unnecessary noise when walking to and from the site, or when leaving and arriving at work.

The Best Practicable Means (BPM) (as defined in Section 72 of the Control of Pollution Act 1974) will be used to reduce noise and vibration levels at all times. Where practicable the control measures set out in BS 5228:2009 + A1:2014 Part 1, Section 8 will also be implemented.

Recommended noise and vibration control measures include:

- Choice of methodology/technique for operations (including site layout) will be considered in order to eliminate or reduce emissions at sensitive locations
 - Fixed items of construction plant will be electrically powered in preference to diesel or petrol driven
 - If any specialise fabrication is required, this will be undertaken off-site if possible
 - Noisy plant will be kept as far away as possible from sensitive areas
 - Each item of plant used will comply with the noise limits quoted in the relevant European Commission Directive 2000/14/EC/United Kingdom Statutory Instrument (SI) 2001/1701 [3] where reasonably available
 - Equipment will be well-maintained and will be used in the mode of operation that minimises noise and shut down when not in use
 - Vehicles shall not wait or queue on the public highway with engines running (unless the engine is required to power the operation of the vehicle e.g. concrete wagon)
 - Where possible deliveries will be arranged on a just-in-time basis in order to prevent vehicles queuing outside site.
 - All materials will be handled in a manner that minimises noise
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12. Proposed steps to minimise dust

*Please provide a summary of the proposed mitigation to minimise dust during construction using the guidance provided in Section 12 of the Code of Construction Practice and with reference to GLA's Supplementary Planning Guidance – The Control of Dust and Emissions during Construction and Demolition. **Please append this information.***

General advice for all construction and demolition sites, as recommended within the Mayor's SPG for Control of Dust and Emissions during Construction and Demolition (July 2014) include the following:

Recommended dust control measures include:

- Dust generated by the construction process will be suppressed via a fine directional spray jet of water aimed at the source, and any material to be transported to be wetted down prior to transit.
 - Skips and powder containers to be covered when not in use
 - Cutting equipment to be used with water suppressant and/or suitable extract system
 - No burning of waste wood or other materials on site
 - The stockpiling of dust generating materials on site will be minimised
 - Wet brushing techniques will be used for cleaning
 - Regular checks for visual observation of dust and soiling within 50m of site+
- Regular monitoring may be necessary during the construction operations on site, in order to ensure that measured pollutants do not exceed safe levels, in positions agreed with the Local Authority. Furthermore, according to IAQM guidelines, it would be necessary to inspect the area in the local vicinity of the construction works to ensure that surfaces are not soiled by dust emissions from the site, with suitable cleaning offered if necessary. In order to minimise this, it would be recommended that screens are erected around the site boundaries as appropriate.

13. Monitoring Regime

For Category 1 sites, and where agreed with the Environmental Health Noise and Nuisance Team, it is expected that noise levels will be measured and continuously monitored at locations to be agreed with the department of Environmental Health and in line with the guidance and limits specified in Section 10.0 of the Code of Construction Practice. Also during demolition, piling and excavation, vibration should be monitored in terms of peak particle velocity (ppv). Vibration monitoring may be required at other times as reasonably requested by the Environmental Health Noise and Nuisance Team.

Guidance in Noise Monitoring is provided in Section 11 of the Code of Construction Practice.

Please append this information.

Noise, vibration may need to be undertaken. A monitoring regime would be agreed with the Council prior to commencement of any works. The regime would follow the advice as set out in Section 11 of the CoCP.

14. Please provide a list of appendices attached
