

Superseded

Noise & Vibration Management Plan



Noise & Vibration Management Plan

Document Reference:	18OrchardStreetNoise&VibrationPlan
Project Name:	Refurbishment Works & Conversion to flats



Approved by:	Date:	Signed :
Barry David (VC)	05.07.2022	
Prepared by	Date:	Signed :
R Sydenham (GBMS)	05.07.2022	R Sydenham

Issue & Revision Record.

Revision No.	Date	Description of Change	Produced/Revised by
0	5 th July 2022	1 st Issue	R Sydenham
01	02.11.2022	2 nd Issue	R Sydenham

Superseded

Noise & Vibration Management Plan



Currently, contacts are as follows:

Role	Name / Address	Phone / e-mail
Client	Dan Madge, Orchard Street (Neath) Ltd., 65a Station Road, Port Talbot, SA13 1NW	01792 546666 dan@lifepropertygroup.com
Principal Contractor	Adam Jones, Vaughan Construction Ltd., Arfryn, Horeb, Five Roads, Llanelli, SA15 5AQ	01269 839499 07855 033641 adam@vaughanconstruction.co.uk
Principal Designer	Robert Williams, Greenbuild Management Services Ltd., Unit 19, Central Avenue, Mardon Park, Baglan Energy Park, Port Talbot SA12 7AX	033 355 3610 07469235178 robert.williams@greenbuildms.co.uk

Superseded



Table of Contents

1	INTRODUCTION	4
1.1	SCOPE OF WORKS	4
1.2	LOCATION	4
1.3	CONSTRUCTION PROGRAMME	5
1.4	SITE OPERATIONAL HOURS	5
2.0	NOISE & VIBRATION	5
2.1	Best Available Techniques BAT	6
3	COMMUNITY LIAISONS	6
3.1	COMMUNICATION WITH LOCAL RESIDENTS/BUSINESSES.....	6
3.2	SITE CONTACTS	6
3.3	COMPLAINT’S PROCEDURE	6

Superseded



Noise & Vibration Management Plan

1 Introduction

The aim of the Noise & Vibration Management Plan is to set out the responsibilities with regards to compliance with legislation and any conditions imposed by planning constraints, and to implement any mitigation measures.

This Noise & Vibration Management Plan document forms a framework within which the measures will be implemented throughout the project.

This framework provides project specific management measures and is a dynamic document which should be reviewed if activities or conditions onsite change that may influence management measures.

This document has been developed to avoid, minimise and mitigate against any construction Noise & Vibration effects on the environment and surrounding community. It should be considered a living document with reviews being undertaken at set intervals and new information added as appropriate.

For the purposes of this document, the working area is defined as any area where there will be a requirement for temporary or permanent works to facilitate the construction of the development. This includes areas required for access, temporary construction and temporary storage areas.

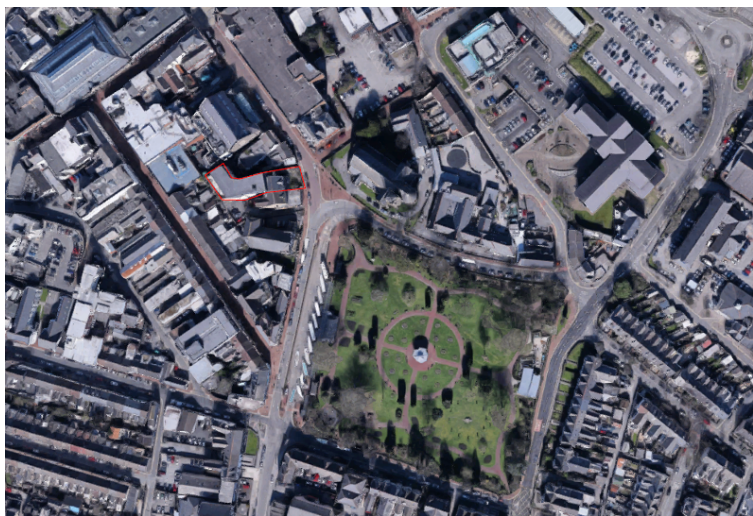
1.1 Scope of Works

The site has been previously partially developed as office building until the developer went into receivership. The existing building has been left deteriorating for several years.

The project will require an initial site clearance of detritus from the existing building and surrounding area within the plot boundary.

Refurbishment and conversion work throughout the building to provide 32 apartments units (19 one bed/two person and 8 two bed/three person for older persons accommodation, and 5 one bed/one person move on units for previously homeless persons), to housing association standards.

The façades are to be refurbished, a new roof with a bank of photovoltaic panels, and new windows to be installed. The basement will be refurbished to provide a buggy store, plant room, storage and access facilities.



SITE PLAN DRAWING (IF AVAILABLE)

1.2 Location

The site is located at :-

18 Orchard Street, Neath, SA11 1DU.

Grid Reference : SS753974 | X (Easting) 275342 : Y (Northing) 197492

Latitude 51o39'44"N : Longitude 003o48'13"W | What3Words: yard.sleep.lance

Superseded



Noise & Vibration Management Plan

1.3 Construction Programme

The detailed Construction Programme will be available for review in the site office
The key dates of the programme are as follows:

Key Stage	Date
Project Start	TBC
Duration	61 weeks
Project Completion	August 2023

1.4 Site operational hours

The proposed operating hours are as outlined below.
During the construction period it may be necessary in exceptional circumstances to work outside the prescribed working hours. Should this occur, the hours and duration of these works will be subject to consultation with Neath Port Talbot Planning Authority

Official prescribed site working hours will be:
8:00am to 6:00pm Monday to Friday
8:00am to 1:00pm Saturdays
No works are permitted on Sundays or Statutory (Bank) Holidays

The Principal Contractor will ensure that working hours are agreed with the client and the Local Authority (*Neath Port Talbot*) prior to any works commencing on site, and these are to be strictly adhered too during the project.

No noise producing work, audible beyond the site boundaries, will be undertaken outside the agreed hours.

The Principal Contractor will ensure that these working hours are communicated to all contractors and site operatives during the site induction, and that they are strictly enforced throughout the project.

2.0 Noise & Vibration

Noise has the potential to cause disturbance, given the location of the adjacent residential properties and it is essential that the works comply with the conditions which have been laid out in the planning conditions. If the later specifies the particular working hours different to the below then we will comply implicitly with it. Our anticipated hours of work are as follows:

- Monday to Friday 8:00am – 6:00pm : Saturday 8:00am - 1pm
- No Sunday, Bank holiday or Public holiday working unless agreed in advance

Noise limitations to be set on site, drawing on BS 5228: Part 1 Code of practice for noise and vibration control on Construction and open sites – Noise, and any best practice on “Construction & Demolition work”.

As the works are to an existing building structure, noise operations will be limited (in comparison to a site where construction of a building is being undertaken). Large use of impact, drilling and rotating machinery will not be necessary. It is anticipated that the main source of noise will be early in the programme of works when removing the existing render from the building. These works will, where possible, be planned to be undertaken during less sensitive hours.

Majority of the works in the renovation or re-configuration of the building will be undertaken internally and will be contained within the building envelope. It is anticipated that the building envelope will damping any noise to the external of the site to low levels. A

All equipment will be 110volt electrical tooling (e.g. drills, saws, impact drills, etc). Sourcing of equipment will include for tooling fitted with noise damping measures wherever possible.

Use of diesel or petrol driven equipment will be minimised.

Superseded

Noise & Vibration Management Plan



It is anticipated that the works should not pose any significant risks in relation to vibration other than when the initial site clearance and foundation excavations are carried out but until such time as the principal contractor and method is chosen this can be updated further and the extent of the potential noise and vibration reviewed again.

The close proximity to residential buildings and local businesses will be considered, along with the proximity to local churches, school and public open space. Regular communications with them will be carried out to give advanced warning of any sustained or noisy periods.

2.1 *Best Available Techniques BAT*

In addition, our team will embrace best practices with regards noise minimisation, this will include but not limited to.

- Where possible, 'silenced' plant and equipment would be used at all times.
- Acoustic enclosures would be fitted to suppress noisy equipment.
- Temporary screening or enclosures for static noisy plant to reduce noise emissions and plant should be certified to meet any relevant EC Directives/UK/BS5228 standards.
- All plant would be properly maintained (greased, blown silencers replaced etc).
- Where practicable, all plant should conform to the noise limits presented in the EC Noise Emission in the Environment by Equipment for use Outdoors Directive 2000/14/EC; and
- Vehicles and equipment should be fitted with effective exhaust silencers, maintained in good working order and operated to minimise noise emissions in accordance with BS 5228, and should vehicles be left standing for a significant period, engines would be switched off.
- Machines in intermittent use will be shut down in intervening periods between use or throttled down to a minimum.

3 Community liaisons

3.1 Communication with local residents/businesses

It is recognised that early liaison and effective communication with persons who may be affected by the proposed works is essential to maintain good neighbourhood relations.

The maintenance of good relations with neighbours and implementation of a programme of ongoing liaison and respect with regards to the local environment and residences will form an important aspect of the successful management of the project.

The Site Manager/Supervisor or their agents will take charge of all day to day liaisons, with further support from the Project Manager who will be on site on a regular basis.

Neighbouring residents and occupiers will be notified of the start of construction activities, the likely duration of the construction phase, of any changes to the agreed working hours and of periods when higher levels of noise may be expected.

3.2 Site contacts

Contact details will be displayed on the hoarding with regular updates for the nearby residents informing them of the progression, forthcoming traffic movements and any potential disruption and sustained noisy periods.

Contact details may include, but not limited to:

- Principal Contractor, name contact number, address
- Emergency Contact name and contact number
- Alternative emergency contact name and contact number

3.3 Complaint's procedure

Any complaints can be addressed to the Site Manager (Daffron Williams).

Any complaints will be logged, fully investigated, and responded to quickly, advising what action has been taken, and are to be recorded.

Superseded

Noise & Vibration Management Plan



The site manager (Daffron Williams) shall be nominated to be responsible for dealing with any complaints throughout the duration of the project. This person will have the appropriate authority to resolve complaints. Contact details will be posted on the information board at the site entrance.

Complaints received and actions taken will be reported at the appropriate site meeting (e.g. monthly site health, safety & environmental meeting / monthly progress update meeting)

The Local Authority Environmental Health Team / Environmental Agency may also be contacted by residents/local organisations.