

Construction Environmental

Management Plan

The CEMP must demonstrate the adoption and use of the best practicable means to reduce the effects of noise, vibration, dust and site lighting. The following should be added to any CEMP submitted and should be in operation for all phases of the development i.e. demolition, excavation, clearance and construction: The plan should include, but not be limited to:

- a. Procedures for maintaining good public relations including complaint management, public consultation and liaison and site management contact details*
- b. Arrangements for liaison with the Council's Pollution Control Team*
- c. All works and ancillary operations which are audible at the site boundary, or at such other place as may be agreed with the Local Planning Authority, shall be carried out only between the following hours: 08:00 Hours and 18:00 Hours on Mondays to Fridays and 08:00 and 13:00 Hours on Saturdays and at no time on Sundays and Bank Holidays*
- d. Deliveries to and removal of materials, plant, equipment, machinery and waste from the site must only take place within the permitted hours detailed above.*
- e. Details of measures to be employed to control the emission of noise during the above phases to be provided. BS5228:2009+A1:2014 Code of practice for noise and vibration control on construction and open sites – Part 1: Noise, and Part 2: Vibration (BSI, 2014v) provide guidance on the requirements and indicative noise and vibration levels and criteria*
- f. Procedures for emergency deviation of the agreed working hours*
- g. Measures for controlling the use of site lighting during all phases, whether required for safe working or for security purposes, to ensure no impact on any nearby residential receptors*
- h. Control measures for dust and other air-borne pollutants. It should advise as to*

what measures are to be put in place for the control of any dust that might emanate from the development site. Furthermore the methods of dust control should be in accordance with the guidance as laid out in the BRE Report 456 - Control of Dust from Construction and demolition activities, and also the IAQM Guidance on the assessment of dust from demolition and construction 2014.

- i. Provision of boundary hoarding*
- j. No bonfires to take place on the site at any time*
- k. A scheme for recycling/disposing of waste resulting from excavation and construction works is to be implemented*

0.0 Generally

0.1 Reference Drawing: 20058-417

1.0 Construction Management

- 1.1 The works generally comprise the construction of 5 No. one self contained flats with associated parking and amenities.
- 1.2 The contractors are M. D. Barnett Carpentry and Building Ltd. The lead contractor (M. Barnett) shall be responsible for liaising with the Council's Pollution Control Team where necessary. The registered office for the contractors is 103 St. Marys Road, Hayling Island, PO11 9DD.

Hours of Work

- 1.3 Construction works will be limited to the following hours:
08:00 – 18:00 Monday to Friday.
08:00 – 13:00 Saturday
Strictly no Sunday or Bank holiday working will be permitted

Materials

- 1.4 The person carrying out the works should arrange for the timely purchase and delivery of materials to prevent delays in construction.
- 1.5 All materials shall be stored correctly to avoid damage by damp, excess moisture, rain, or daylight, and shall be stored securely to prevent theft.

- 1.6 The person carrying out the works should plan delivery schedules in advance to reduce the number and length of journeys.
- 1.7 Where possible, materials and goods should be purchased from local suppliers.

Traffic Control to minimise disruption to neighbours and the local environment

- 1.8 St Leonard's Road is largely residential. However, Mengham Road is a commercial area and using this as the main access route will minimise disruption to local residents. The site itself has ample existing hardstanding available for deliveries and storage of materials.
- 1.9 Deliveries should take place within the working hours detailed in 1.3 above.
- 1.10 Site directions will be compiled and provided to all contractors, suppliers and visitors.
- 1.11 During any work the existing roadways will remain clear for vehicles and access for emergency vehicles at all times.
- 1.12 All site personnel and visitors must wear at all times hi-visibility vests/ jackets whilst on site.
- 1.13 All deliveries to the site must be notified to the project lead 24 hours prior to arriving on site.
- 1.14 All deliveries and contractors will be advised to be aware of the presence of other vehicles, pedestrians and footpath users and visitors at all times.
- 1.15 Weekly delivery schedules will be compiled, where necessary, and daily discussions will be undertaken with my supply chain to pre-arrange timed delivery of materials and movement of plant and equipment.
- 1.16 Contractor's parking to be limited on site. No parking to be permitted on West surrounding roads.
- 1.17 All orders placed with suppliers' contractors will contain this information as detailed above.
- 1.18 All contractors will be reminded of the need to select equipment and plant that reduces vibration and noise to the lowest achievable level.
- 1.19 Contractors will also take into account when completing Risk Assessments that they must reduce noise and vibration exposure by such means as taking regular breaks, reducing the time of use on the equipment, enforce use of PPE for noise and vibration and encourage operatives to keep warm and promote exercise for better circulation in the body.

- 1.20 Contractors must first consider reducing at source and selecting low emission equipment. PPE is a last resort and is unlikely to reduce the exposure figures.
- 1.21 Contractors working on site must ensure that the vibration figures for all tools are known and personnel exposure figures are provided to personnel to allow them to monitor action and limit values.
- 1.22 When there is a need for health monitoring when carrying out specific work with noise producing plant or equipment or vibratory tools then evidence of this will be required from the contractor prior to commencing work on site

2.0 Waste Materials

- 2.1 Waste materials to be removed from the site as they arise.
- 2.2 As per the Site Waste Management Plans Regulations (SWMP) of April 2008, the contractors will keep records of all waste removed from the site and ensure that it is safely and legally disposed of.
- 2.3 Where possible, it is the applicant's intention to reduce potential waste by working with suppliers who will accept returns or exchanges of unused materials and packaging.
- 2.4 Bonfires will not be permitted.

3.0 Boundary Hoarding

- 3.1 Heras fencing, as specified the Arboricultural Method Statement, in to extend around the site as shown on drawing 20058-417.

4.0 Light Restrictions

- 4.1 No temporary flood lighting.
- 4.2 Temporary task lighting to have top shrouds or shades.
- 4.3 Laser levelling devices to be restricted to internal areas, and directed away from external areas .

5.0 Measures for the Suppression of Dust and Vibration During Demolition and Construction Works

5.1 Demolition works in particular, and some construction processes (eg. concrete cutting) generate fine dust which can be a source of annoyance and a health risk. Temporary haul roads and dispersal areas can be a source of dust from materials and traffic movements, especially during periods of warm and dry weather. Dust can be minimised at source and at transmission by appropriate controls and by damping down with water sprays.

5.2 Equipment to be Maintained on Site During Demolition and Construction Works

- Hose with spray nozzle.
- 'Boom' spraying attachment – as in lawn sprinkler / sprayer.
- Water bowser with sparge pipe attachment.
- Dust sheets.
- 1.8 meter high folding sight screens.

5.3 Method Statement

- Consider dust creating and promoting activities when planning work.
- Make extra allowances for dust in dry weather.
- Be aware of wind directions and the effects of others down wind.
- Where necessary, provide, fix and maintain suitable screens or awnings to screen the building works and scaffold so as to effectively minimise dust and debris from falling or being blown over the boundaries. Provide, maintain and use a supply of water and means of dispensing it, to dampen dust in order to minimise its emission from the premises.
- No sweeping of any dust or dusty material without effectively treating it with water or other substance in order to minimise its emission from the premises is permitted.
- Damp down demolition areas before dismantling.

- Damp down refuse stacks in dry and in windy weather.
- Damp down haul roads and dispersal areas in dry and in windy weather.
- Sheet down fine particulate materials in dry and in windy weather.

5.4 Provide and use suitably covered skips and enclosed chutes, or take other suitable measures in order to minimise dust emission to the atmosphere when materials and waste are removed from the premises.

5.5 All skips used for the storage of waste shall be kept covered so far as is reasonably practicable.

5.6 **Control of Noise and Vibration**

- Any power tools that are used that cause vibration will be selected for the lowest emission possible and will be used in accordance with the New Vibration at Work Regulations to reduce the exposure of operatives to any vibratory tools.
- All contractors will be reminded of the need to select equipment and plant that reduces vibration and noise to the lowest achievable level.
- Contractors will also take into account when completing Risk Assessments that they must reduce noise and vibration exposure by such means as taking regular breaks, reducing the time of use on the equipment, enforce use of PPE for noise and vibration and encourage operatives to keep warm and promote exercise for better circulation in the body.
- With noise, contractors must first consider reducing at source and selecting low emission equipment. PPE is a last resort and is unlikely to reduce the exposure figures.
- Contractors working on site must ensure that the vibration figures for all tools are known and personnel exposure figures are provided to personnel to allow them to monitor action and limit values.
- When there is a need for health monitoring when carrying out specific work with noise producing plant or equipment or vibratory tools then evidence of this will be required from the contractor prior to commencing work on site.

- Due to the proximity of neighbouring properties site noise will be controlled and reduced as far as possible at all times.

Further Information

HSE Information Sheet 54 – Dust Control – Concrete Cutting Saws.

HSE 'Top Tips for a Healthy Workforce' – Dust Prevention.

HSE Case Studies – 'Dust suppression on dusty roads'.

The Control of vibration at Work Regulations 2005

Critchley Architecture And Design Limited

The Old Bakery, 34 South Street, Havant, Hampshire, PO9 1PT

Tel: 02392 474 919 Email: info@caad.online