

NEW DWELLINGS LAND TO THE SOUTH OF CANAL SIDE HOUSE, PLEASANT VIEW, ABERFAN

CONSTRUCTION MANAGEMENT PLAN

1. Contractors access arrangements for vehicles, plant and personnel including the location of construction traffic routes to and from the site, details of their signing, monitoring and enforcement measures

Access to the site will be from the A4050 Merthyr Road then via the local road network through Aberfan. Traffic will be directed back to A4050 Road following delivery.

The primary vehicular access point will be off Pleasant View at the south of the site which is the more practical and safest point. At the commencement of work an access point shall be formed to sub-base level which will only receive topcoat prior to occupation of the dwelling.

Segregation of pedestrians and site traffic will be monitored and adapted as work progresses throughout the construction period.

Monitoring and enforcement will be controlled via the Considerate Constructors Scheme (see Section q)

2. A plan will indicate the area and siting of land to be provided for parking, turning, loading and unloading of all vehicles visiting the site and siting of the contractor's compound

The site compound area will consist of a site office with an integrated canteen. A WC facility will be provided, drying room, safety/induction room 1 storage containers. These will be provided initially with temporary and when available mains services for both the supply of water and electricity along with a temporary drainage connection which will when feasible be connected to the main foul water drainage scheme.

The perimeter to the compound will consist of the existing site boundary fences and where necessary temporary Heras fencing.

This will further add to the physical segregation and visual separation of the compound when viewed from the nearby boundary area.

3. Delivery times for construction purposes

The hours of work will be:

- Monday – Friday 08:00am – 17:00pm
- Saturday 08:00am – 13:00pm

No work will be allowed on Sundays or Public Holidays. These hours may be varied in exceptional instances subject to approval with Caerphilly County Borough Council and subject also to any restrictions or requirements that they may impose.

NOTE: No noisy works are to be undertaken on a Saturday before 9am

Any exceptional circumstances which may require work to be undertaken outside of the agreed hours will be agreed with the local authority prior to

implementation. Any agreed out of hours work will be notified to local residents in writing with 5 days notice.

Timing for deliveries and collections as laid down by Local Authority are:

- Monday – Friday 08:00am – 16:00pm
- Saturday 08:00am – 13:00pm with no vehicular deliveries between 08:00-09:00am
- No Working on Sundays or Bank/Public Holidays

All deliveries will in the main go to the compound area for initial off loading and subsequent distribution by forklift.

Materials will be unloaded from vehicles to either the compound or bulk storage areas by either forklift or 'hiab' type Lorries.

Higher value or weather sensitive materials that are normally stored in containers will be distributed horizontally by all terrain forklifts. They will also be used for the vertical transportation of materials; these will be landed on loaded platforms incorporated into the elevation scaffolds as set out in our Health and Safety procedures. At no time will materials be allowed to be stored in any other areas outside those designated and fenced areas.

Appropriate bases for all use of mobile cranes/rotating forklifts will be required for the erection of timber roof members. These would also be used for the loading out of plasterboard, staircases and the like if required.

4. Dust management, fires, spillages and wheel washing measures

All Contractors carrying out activities such as mechanical cutting and grinding of stone, concrete kerb and slab cutting by ground workers, tile cutting at the ridge and verge by roofers, dry cutting will be allowed in the valley so long as roofers adopt a safe system of works.

For all activities involving release of silica dust and persons carrying out sweeping activities, will be expected to be face fit tested and wear a suitable Face Fit P3 mask.

Site transport that creates substantial amounts of dust must ensure the following hierarchy of prevention is implemented:

- Adequate ventilation provided, or
- Water Suppression System used, or
- Local Ventilation Systems (vacuum) systems used

Where the above hierarchy cannot be implemented, those exposed to the dust must wear Respiratory Protection Equipment (RPE) – to grade APF 40 (full face respirator with filter to p3 standard).

Contractors must ensure that dust created by their work activities does not affect the health of other workers, residents and members of the public. To achieve this dust suppression to be used on all mechanical tools and water suppression where needed. Stockpiles of materials to be covered to prevent dust generation during windy conditions. When undertaking tasks which may create dust the wind direction must be taken into account to assess the impact on adjoining properties and steps taken to minimize the impact

Please refer to Appendix H for the Risk Assessment for mortar silos. CPI product is fully enclosed in tanker and silo, preventing contact with persons or release to atmosphere.

No burning is allowed on site. All goods requiring destruction must be disposed of through the available controlled waste management facilities.

All spillages must be contained and cleared to prevent migration of the product into the ground and avoid contamination to both the ground and drainage network.

We have noted that it is a requirement of the County that the site has the necessary wheel washing installation in place and working prior to the commencement of construction works on site.

The contractor will therefore be installing and using a bespoke facility to ensure that lorry traffic leaving the site does not take mud/debris out onto the roads surrounding the site.

All waste aggregates, water and sludge type materials resulting from the necessary 'cleaning' process will be removed from site by a licensed waste carrier and taken to a licensed waste disposal facility.

In addition to the provision of a Wheel Washing Facility an approved Mechanical Road Sweeper with vacuum facilities, spray facilities and on-board storage will be used. This shall be used for the sweeping and cleaning of the public highway immediately adjacent to the site, on a regular basis or as deemed necessary to prevent nuisance or hazards to other highway users.

Collected debris is to be disposed of at a licensed waste disposal facility.

We will undertake the 'damping down' of any unmade site roads by means of a towed dust suppression unit as and when required by the prevailing conditions on site.

Fuel tanks will be bunded for the duration of the construction phases. Site will also have spillage kits.

There is no current requirement for the use of settling tanks or oil interceptors during the construction phases of the development. They may however be required to be configured in the final development, should this be so, they will be addressed and detailed separately.

5. Noise method, monitoring and recording statements in accordance with provisions of BS 5228:2009 Code of practice for noise and vibration control on construction and open sites – Part 1 and 2

We are particularly aware of the need to mitigate noise and vibration wherever and whenever practically possible for any properties (sensitive receptors) which neighbour this development. These comprise those properties that face onto the development site.

The potential noise sources from work undertaken in connection with this project may include:

- Earthworks
- Site Clearance
- Excavations
- Transportation
- Processing of reusable materials
- Tree Surgery, Grass Cutting
- Cleaning
- Construction
- Waste Management
- Operational noise from completed project

The Contractor will implement the necessary management and operational controls in order to minimise any adverse impacts on the local community from construction activities. The timing, duration and mitigation measures used are to be designed by the sub contractor and approved by the contractor to minimise impact on nearby receptors

Work hours will be as per those stated within Section 3. Work and noise outside of these agreed hours is strictly prohibited without prior agreement of the Contractor and the Local Authorities.

The Contractor will ensure all background and ongoing noise monitoring is undertaken during the construction phase, to ensure worker protection and mitigate adverse impact on sensitive neighbours.

Contractors will ensure the implementation of best practicable means to reduce noise levels and to ensure compliance with acceptable levels.

Options for the control and mitigation of construction impacts include effective site management, engineering control, acoustic screening, restricted hours of work and the provision of sound insulation and noise monitoring.

Please refer to Section 8 for maximum noise mitigation levels.

Contractors are to control construction noise and vibration emission in accordance with the recommendations established in the relevant British Standard – for the control of noise on construction and open sites (BS5228-1:2009 and BS5228-2:2009) Additional reference should be made to BS4142 entitled “Methods of Rating Industrial Noise affecting Mixed Residential and Industrial Areas” which although not entirely applicable to construction operations provides useful guidance on assessing potential noise nuisance.

Noise is to be controlled at the source where practicable.

Screening will be considered where work is undertaken against sensitive receptor boundaries.

Prior to commencement of noisy construction works a method statement will be provided including method of works, programme, predicted noise levels and manufacturers specifications for equipment.

Fixed items of plant will be electrically driven.

All noise generated operations, e.g. concrete grinding, will be sited as far as possible from sensitive receptors and will employ suitable noise control measures.

Other protection measures will include:

- All vehicles, compressors and plant will be equipped with effective silencers and noise reducing insulation in accordance with BS5228:2009 part 1, where necessary.
- Plant not in continual operational use will be switched off and noise suppression covers will be used.
- Vehicle noise will be kept to a minimum. (e.g. excessive revving of vehicles will not be permitted)
- Where possible noisy plant and equipment will be sited away from sensitive noise boundaries. Where this is not possible, noise emission will be controlled accordingly by affective shielding.
- Loading and unloading of vehicles, dismantling of site equipment, such as scaffolding, will be conducted in such a manner that noise generation is kept to a minimum.
- Reversing alarms will be set to the minimum required setting by the HSE
- Deviation from approved method statements will only be with prior approval from the Contractor and the Local Authority
- Any noise complaints, breaches of Section 60 notices or exceedances of action levels will be investigated by immediately.

The maximum level of vibration at construction sites will be required to meet the criterion set out in BS 5228-2:2009 as 0.3mm/s

If vibration at a sensitive receptor is possible, such as in this instance neighbouring properties and it is suggested that it is likely to exceed 0.3mm s⁻¹, the sensitive receptor and the Local Planning Authority (NCC) must be pre-notified, in writing, at least 5 full working days prior to work commencing, with the following information: **We would note that in this particular**

development we are not currently aware of any working practices that would result in the creation of vibration at this level. However, we would note the following should an incident be reported:

- Location – the location on site in relation to the sensitive receptor;
- Duration of those site operations, including schedule of operations likely to cause any further vibration and their hours of work;
- Vibration characteristics – e.g. whether it is continuous, intermittent or impulsive;
- Effect on buildings – it is important to assure the community that vibration levels will not cause building damage;
- Details of site operator community liaison – so that the community feel assured that information is available and that complaints will be handled expeditiously.

Vibration levels which have the potential to cause building damage will not be tolerated.

No further sensitive receptors are considered to apply to the development. All monitoring of noise and vibration will be undertaken by a suitably qualified operative, for example someone who holds the Institute of Acoustics (IOA) certificate of competence.

Noise will be monitored in accordance with BS 5228:2009 part 1 and vibration in accordance BS 5228:2009 part 2

Monitoring of noise and vibration will be undertaken when:

- Agreed levels are likely to be exceeded
- Upon receipt of substantiated complainants
- At the request of the Local Planning Authority following any substantiated complaints

Records of the monitoring of noise and vibration will be kept until the project is complete and will be available for inspection by of the Local Planning Authority. Any complaints will be dealt with under the Considerate Constructors scheme.

7. Details of odour control systems including maintenance and manufacture specifications along with

No activities likely to create odours are foreseen to be undertaken

8. Maximum noise mitigation levels for construction equipment, plant and vehicles

Noise from the site when measured 3 metres from the facade (free field) of any noise sensitive property, such as residential, shall not exceed the following levels:

- LAeq (1 hour) 67 dB between 07:00 and 19:00 (including in the normal working hours)
- LAeq (1 hour) 57 dB between 19:00 and 20:00
- LAeq (5 minutes) 37 dB between 22:00 and 07:00

If noise at a sensitive receptor, such as residential, is likely to exceed the levels stated above, the sensitive receptor and the Local Planning Authority must be pre- notified, in writing, at least 5 working days prior to work commencing, with the following information:

- Site Location
- Duration of site operation, including schedule of operations likely to cause noise and their hours of work
- Noise characteristics
- Details of site operator community liaison for community assurance and managing complaints

We would note that in this particular development we are not currently aware of any working practices that would result in the creation of noise

at this level or beyond. We also exceed the 3 metre distance from noise sensitive properties in all instances.

9. Site lighting

All activities will be undertaken in accordance with the Environmental UK Light Pollution Leaflet.

The HSE requires that we have installed adequate lighting – *"Adequate lighting should be provided to all areas and especially to those used in darkness hours, or where loading/unloading can be carried out in poor visibility or diminished lighting conditions. As a minimum, lighting should be provided for junctions, around plant and buildings, pedestrian routes and areas where loading/unloading is to be carried out. Guidance for road lighting can be found in BS 5489 'Road Lighting'."*

The workplace (Health, Safety and Welfare) Regulations 1992 will be complied with in this respect.

The contractor will install sufficient 50 lux minimum lighting units to enable the safe movements of both vehicles and pedestrians across the site. The initial locations will be around the site compound and the first working area. We will ensure that these illumination levels do not add light pollution to the neighbourhood throughout the duration of the construction works on site. Compound lighting and any necessary site task or general lighting will be configured such as to ensure that it is directed to light the area required without illuminating the surrounding area. This lighting will be further controlled by means of time clocks and sensors as required.

10. Screening and hoarding details

The height of the hoarding is to be a minimum of 2.4 metres

11. Access and protection arrangements around the site

The Contractor is committed to adhering to the requirements of the Health and Safety Executive (HSE) guides:

- HSG150 Health and Safety in Construction
- HSG151 Protecting the Public, Your Next Move

Drop heights within the site to be minimized to prevent the risk of injury, all product to be safely passed to the ground manually or via mechanical lifting equipment

12. Liaison, consultation and publicity arrangements, including dedicated points of contact

Liaison, consultation and publicity arrangements, including dedicated points of contact will be provided and managed via the Considerate Constructors Scheme. A point of contact board will be mounted on the site access gates. This will include all contact details, including during and outside work hours, as well as the details for the Considerate Constructors Scheme.

13. Complaints procedures, including complaints response procedures

All complaints will be managed via the Considerate Constructors Scheme.

All complaints received under the scheme from any source, regarding a registered site or company, are recorded.

All complaints are put into one of the following categories:

Noise, Dirt and Dust, Parking, Safety, Inconsiderate Behaviour, Road Conditions and Vehicle Movements, Environmental Concerns, Pedestrian Access Obstruction, Property Damage, Site Lighting, Working Hours, Other.

The Scheme has designated staff, trained to deal with any type of complaint.

If the complaint does not relate to an issue covered by the Scheme's Code of Considerate Practice (for example, the Scheme cannot get involved with planning issues or in decisions relating to compensation), the complainant will be pointed in the appropriate direction.

When a complaint is received that is relevant to the Scheme's Codes of Considerate Practice, the Site Manager or company contact will be told what the complaint is about, and given the name and contact details of the complainant (with the complainant's permission). Advice might also be offered as to how they might deal with the complaint.

The Scheme will stay in contact with the complainant until the site or company has investigated and responded to the complaint and until the Scheme is satisfied that the site is adhering to the Site/Company Code of Practice, at which point the complaint will be taken off the 'active' list.

If the Site Manager or company does not deal with a complaint in a satisfactory manner, the complaint will be passed to the Scheme's Chief Executive, who will refer the matter to the construction company's head office contact (as listed on the registration form). In the event that the response is still unsatisfactory, and the contact is not a director, then the complaint will be taken to company director level.

The Scheme may attempt to mediate between the parties during this process. If, at any time, the Scheme's Chief Executive considers that a reasonable settlement has been reached, the complaint will be taken off the active list. Where necessary, an experienced Scheme Monitor may visit the complainant and the Site Manager or company contact to seek resolution.

If a registered site or company fails to deal with a problem in an effective manner or if the Scheme's Chief Executive believes them to be in breach of the Site/Company Code of Considerate Practice, the Chief Executive will provide a report of the incident(s) to the Chairman of the Scheme's Board for a decision. Where the Chairman's decision is to remove the site or company from the Scheme, the company and the client will be informed by recorded delivery letter.

14. Management, re-use, importation, storage and specification of soil for the use within the site

Prior to occupation of any dwelling, the contractor will provide evidence to the Local Authority detailing:

1. For imported soil, a chain of evidence including source, type, amount and copies of the waste transfer documents

2. For imported soil for use in private gardens, the results of chemical testing (for a full suite of contaminants including metals and hydrocarbons) at a sampling rate of 1 sample every 20m³ or one lorry per load (whichever is greater) to demonstrate that the soil is suitable for use within these areas

3. For imported soil or material for use in other areas, the results of chemical testing (at a lower frequency to be agreed by the local planning authority) to demonstrate that the soil is suitable for use within these areas

4. For soil and material that is recycled for use within the site, details of the location from which the soil originated to demonstrate that it is suitable for use within these areas and that it has not originated from a contaminated area