Construction Method Statement,
Site Management & Environmental Plan

Lundhill Road,
Wombwell

June 2022

Introduction

The Construction Method Statement has been prepared for the residential development of 235 no. dwellings at the land to the rear of Lundhill Road, Wombwell.
This Statement has been prepared in respect of Condition 4, 5 & 19 of the Grant of Planning Permission 2019/0089.

Site management plan

Our proposed Construction Management Plan, drawing ref. *811174-CMP* is provided within appendix 1.
This plan indicates our proposals in respect of following:

- Position of site compound from first phase of development.
- Position of plant and material storage area to be utilised.
- Position of site / contractor parking facilities.
- Position of segregated waste management facility.
- Dwellings allocated as show homes.
- Sales cabin location.
- Sales Parking.
- Permanent means of access for construction traffic during the construction phase.
- Haul road for use by construction traffic.
- Route and turning facilities for construction traffic.
- Location of jet wash wheel facility.

Prevention of mud spreading onto the existing highway and Surface Water Management during the Earthworks and Construction Phases

Jet wash facility

When required a manned portable jet wash facility will be provided within the site. However, in dryer periods this will likely be a daily occurrence when applicable.

When required the jet wash facility will be maintained and kept in good operational condition to be used by construction traffic leaving the development.

The site manager will be responsible for ensuring the facility is used in the correct and appropriate way.

Avoidance of water or mud run off from site

The Foreman / Site Manager will assess the potential for surface water onto adjacent land and, in the unlikely event that it looks to become an issue because of any works on site then the relevant method will be introduced; bunds or interceptor trenches will be the first solution to correct this unlikely issue.

Road sweeper

A 'wet' road sweeper will be utilised across dry months on site, when required the sweeper will be implemented daily or as required to maintain the levels of dust and dirt on site. This will help to manage the sites cleanliness if some mud or dirt does get transferred on to the adjacent highway.
The use of a 'wet' road sweeper will be an additional measure to the use of the jet wash facilities. The main contractor who has been appointed for the remediation and earthworks and overseen by the Site Manager will monitor the existing roads daily. This will be kept under review as during dry and windy periods this may be required multiple times per day so will be implemented as and when required.

The closest receptors will be identified as these are likely to change throughout the course of the development and will be communicated to site personnel so that preventative measures can be increased where the situation requires.

Temporary warning & direction signs on the approaches to the Site

Temporary warning and directional signs will also be provided on the approaches to the site as required.

Working hours & delivery of materials

The proposed working hours associated with the development are as follows:

- Monday to Friday 8:00 - 18:00
- Saturdays 9:00 - 14:00
- No work to take place on Sundays and bank holidays.
- No deliveries permitted outside of working hours.

Noise control measures

All plant and machinery used for construction of the development has been designed to minimise noise omission and vibration. All plant and machinery will meet the minimum legislation with regards noise omission. All plant and machinery (whether ours or sub-contractors) will be maintained in accordance with their manufacturing instruction.

During the development process, noise is likely to occur because of vehicle movements, plant and equipment from excavators, forklifts, generators, peckers and other handheld tools.

1. Hours of work will be limited to 08:00 to 18:00 Monday to Friday and 9:00 to 14:00 on Saturdays.

2. No work will be carried out on the site on Sundays or Bank Holidays.

3. Plant and equipment will be turned off when not in use.

4. Any plant or equipment used will be suitably silenced in accordance with manufacturer details.

5. During the development process, noise is likely to occur because of vehicle movements, plant and equipment from excavators, forklifts, generators, peckers and other handheld tools. Where particularly noisy events such as these previously stated take place then noise monitoring will take place with records and observations and any remediation steps recorded in the site logbook. This will be monitored and recorded using a dB level app on phone to monitor noise levels by the site manager.

6. In the event of any complaint being received about noise from site operations the Site Manager will investigate the complaint and take remedial actions as required in accordance with the complaint's procedure forming part of this Construction Management Plan.

7. In assessing the impact of noise from site, British Standard 5228 Part 1 will be used to assess any potential impact prior to commencement of operations.

8. A contact name a number will also be passed on to the local authority's environmental protection unit and a sign placed on the site entrance.

Vibration Control Measures

Vibration from the demolition and construction phases of the development, due to use of peckers, has the potential to result in loss of amenity to sensitive receptors near to the site and in some cases nuisance or structural damage.

1. Prior to commencement of work on site the Site Manager will contact all residents and businesses located within 100m of the site boundary to outline our works which are likely to cause vibration and the proposed timescale for the works, and also provide a contact telephone number in the event of any problems.

2. A contact name and number will also be passed on to the local authority's environmental protection unit and a sign placed on the site entrance.

3. Static vibration sources will be located away from sensitive areas.

4. Consideration will be given to the use of alternative equipment, which will result in less disturbance, and justification provided for the equipment used will be recorded in the site logbook.

5. Vibration monitoring will be carried out by the contractor responsible for the works, at a suitable position on site nearest to the closest sensitive property from the vibration source.

6. Vibration monitoring will be assessed continuously during the vibration causing activity with records of monitoring and any remedial steps taken recorded in the site logbook.

7. Vibration monitoring will consider the Peak Particle Velocity and the frequency of the vibration itself.

Dust Control Measures

With regards minimising dust omissions from the site during the construction phases of the development, the following considerations have been considered and the following control measures are proposed:

Contact details for the site manager who will be responsible for dust and emissions generated from the site will be displayed on the site boundary as part of the Considerate Constructors Scheme, so that residents and businesses are able to contact the site to raise any issues that they may have and report complaints.

The site manager will be responsible for the monitoring and implementation of dust and emissions control measures. The site will keep a record of all such complaints (either direct from residents or through Barnsley District Council) in a logbook and respond to them within 2 working days. The log of complaints and action taken will be made available to the local authority on request.

The site manager will actively monitor the site and off-site residential areas within 100m to ensure the control of dust and emissions. These inspections will be twice weekly, and a log kept, which will be made available to the local authority on request. Dry and windy conditions increase the likelihood of dust and emissions being produced and dispersed, so daily site and off-site monitoring will take place during these times. Checks to include surfaces, such as street furniture, cars & windows. If dust is found, then the site manager will arrange for these to be cleaned immediately.

The perimeter of the site will be completely fenced off using metal herras fencing (or similar) for obvious security purposes.

Hoardings, fencing, barriers, and scaffolding will be cleaned weekly using wet methods, where possible to prevent re-suspension of particulate

Spillages of liquid and materials, including those which are hazardous, will be dealt with by, regularly inspecting the site area for spillages, having spillage kits readily available, cleaning spillages using wet handling methods.

Any materials that have the potential to cause dust or emissions will be removed from site as soon as they are surplus to the site. If they are to be retained on the site, they will be covered whilst not in use.

All non-road machinery will meet the highest emissions standards and will have engines switched off instead of idling.

The site will be employing a large number of workers over the duration of the development and even though the onsite parking facilities will be adequate, a workplace travel plan for workers and visitors travelling to and from the site will be implemented by the site manager. This will encourage workers not to use single-occupancy cars to travel to and from work but instead to use public transport or car share.

The company limit on site, cutting, grinding and sawing and utilise prefabricated materials wherever possible. However, in the small instances that we do need to cut, grind and saw, work will take place away from the residential areas with water suppression from a spray pump, over the material as it is being cut. Along with the use of a (LEV) Local exhaust ventilation system directly fitted onto the tools.

A constant supply of water will be always available on site for welfare as well as dust suppression/mitigation. The water supply will be via a temporary water connection to the compound supplied by Yorkshire Water.

Any materials associated with the site build will be safely transported across the site from the materials storage area to their required location and placed in position using forklifts and small dump trucks. There is no requirement for any machinery that requires materials to be dropped from any significant height such as conveyers, loading shovels or hoppers.

No bonfires or burning of waste will occur on site at any time.

All vehicles that enter and leave the site will be covered to prevent materials/dust escaping during transportation.

Sand and other aggregates / cement will be stored within the segregated materials storage area within the site compound. The materials will be monitored by the site manager / store man and appropriate action will be taken should dust omissions become an issue such as covering up of the relevant materials.

Any smaller supplies of fine powder materials which are supplied in bags will be sealed after use and stored appropriately to prevent dust.

Copies of this Construction Method Statement and Construction Management Plan will be distributed to all contractors and sub-contractors who will be instructed to adhere to its contents. Copies of the document will also be available on site.

Earthworks Specific Works

Landscaping of finished earthworks will be progressive through the site as plots are completed. This will include turfing and planting of completed plots.

Where practical small areas of earth during the works to be removed at one time to reduce stockpiling.

Appendix 1 –

