

Construction Environmental Management Plan

Sladen Mill, Halifax Rd, Littleborough, Rochdale, OL15 0LB

Mere Development Group



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1. Introduction

The project involves the demolition of existing structures and the development of 25 stone-built, executive dwellings including all associated works.

2. Proposed programme

The target construction start and completion dates are as follows:

Start date: 1st June 2023 (subject to on-time discharge of pre-commencement planning)

End date: 31st June 2025

3. Hours for Site Preparation, Delivery of Materials and Construction

No site preparation, deliveries of plant or materials (including the loading and unloading of waste and materials) or construction works are to take place on Sundays, bank holidays or outside the following working hours:

7 am – 6 pm Monday to Friday

8 am – 4 pm Saturday

Any requests to carry out such works outside of these working hours will be directed to the Local Authority at least seven days in advance, together with details of the works (including the expected noise levels) and why these cannot be carried out during normal working hours. No work of any kind will take place without prior permission outside working hours.

4. The Erection and Maintenance of Security Hoarding

Security hoarding is a critical element in ensuring public safety and protecting the construction site. It will be erected in accordance with the Construction (Design and Management) Regulations 2015 (CDM) and the Health and Safety at Work etc. Act 1974, which requires that any construction site must be properly secured to prevent unauthorised access and ensure the safety of workers and the public. To facilitate the installation of all the required protective fencing, certain site preparation or enabling works will be necessary.

The hoarding will be Steel Heras Fencing with separate Steel Gates fixed in position and will be designed to withstand the site conditions and any potential damage caused by site activities. Regular monitoring will take place to ensure that the hoarding remains intact, and any damage or unauthorised entry will be addressed promptly. Inspections will be carried out and recorded in site registers which form part of the statutory requirement. To maintain public safety, the hoarding will feature notice boards detailing the contact details of the Principal Contractor as well as telephone numbers for emergencies and complaints. The Principal Contractor will seek to reuse hoarding from other building sites and recycle/reuse the hoarding after use. Site management will also ensure that the hoarding is kept clean and free from debris at all times.

Protective fencing in accordance with the landscape specification clause 10 shall be erected around all existing trees to protect them from the works.

5. Site Access

All access to the site will be via Halifax Rd which leads through a private road that is within the site ownership, leading onto the development site and compound area. Access to the site will be off the private road via inwards opening gates, to remain closed whenever possible. In the interest of pedestrian, cyclist and vehicular safety, vehicles may only enter the site via this access route and deliveries will be via a prior appointment. There will be two distinct entrances: one leading to zone A and another leading to zone B

6. On-site offices and welfare facilities

Prior to the development starting, welfare facilities will be in place for the Contractors to use. The site will have self-contained units which will house a canteen, site office, drying room and toilets for the project. These will be powered by generators, water butts and water heaters until the temporary service connections are available. Following the temporary service connection, all welfare units will be supplied with mains water and electricity.

7. The Parking of Vehicles, Site Operatives and Visitors

Effective management of parking is critical to ensure the safety of workers, visitors, and the public on the construction site. The site manager will play a vital role in managing parking and will identify a designated area for parking, which will be clearly marked with appropriate signage. It's important to note that while this designated area may change throughout the construction process, the principles of effective management of parking will be carried through wherever it is located on the site. To ensure that parking on the site is managed effectively, site operatives and visitors will be advised to park only in the designated area and not to park on public roads, footpaths, or other areas that may cause an obstruction.

The site manager will register all vehicle parking on-site to regulate the number of vehicles and ensure that only authorised vehicles are permitted on the site. Regular monitoring of the parking arrangements will be carried out by the site manager to ensure compliance, and action will be taken against any unauthorised parking. The site manager will also promote environmentally friendly practices, such as car-sharing wherever possible and providing secure bicycle parking facilities, to minimise the environmental impact of vehicle emissions. Finally, the site manager will provide toolbox talks to site operatives and visitors on parking regulations and safety procedures to ensure the safety of all on the construction site.

8. Loading and Unloading of Plant and Materials

Loading and unloading of plant and materials is a crucial aspect of construction activity, and as such, it requires careful planning and management to ensure safety and efficiency. The site manager will identify and designate a specific area for the loading and unloading of plant and materials, which will be clearly marked and kept free from any obstructions. It is important to note that while this designated area may change throughout the construction process, the principles of effective loading and unloading will be carried through wherever it is located on the site. The site manager will also

ensure that all plant and materials brought onto the site comply with relevant safety and environmental legislation and that they are properly inspected and maintained before use. All vehicles involved in the loading and unloading process will be equipped with appropriate safety equipment, such as mirrors, reversing alarms, and traffic cones, and the driver will be trained in safe loading and unloading procedures. The site manager will also ensure that all lifting equipment, such as cranes and forklifts, are properly inspected, maintained, and operated by trained personnel. The loading and unloading area will be regularly monitored, and any unsafe practices or procedures will be immediately addressed. The site manager will also ensure that all waste and excess materials generated during the loading and unloading process are properly disposed of. Finally, the site manager will provide regular toolbox talks to all personnel involved in the loading and unloading process to ensure that they are aware of the safe operating procedures and the importance of maintaining a safe working environment.

9. Vehicular movements and deliveries

The vehicular movements and deliveries on the construction site will be managed to ensure safety and minimise any potential impact on the surrounding area. It is anticipated that the largest lorry type utilised during the construction of the development will be a maximum gross weight of no more than 20 tonnes, which will fit within the designated on-site loading area. Other vehicles expected on site will consist of standard skip lorries and flatbed delivery vehicles.

The site manager will also ensure that all delivery vehicles are authorised to enter the site and have the necessary permits and licences to operate. All vehicles must be equipped with the required safety equipment, such as reversing alarms and cameras, and comply with relevant environmental legislation. To minimise the impact of vehicular movements on the surrounding community, the site manager will also ensure that all deliveries are made during the designated delivery hours and that all vehicles are parked in designated areas. The site manager will regularly monitor vehicular movements to ensure compliance with these measures and take action against any unauthorised parking or breaches of safety procedures. However, it is important to note that the site is in a remote location accessed through a private road, with only one other dwelling within the near vicinity accessible via this route. Therefore, the impact of any deliveries or site traffic is expected to be negligible.

10. Storage of plant and materials used in Constructing the Development

Effective management of the storage of plant and materials is crucial to ensure the safety of workers, visitors, and the public. In addition to the delivery procedures listed above, the storage of plant and materials will strictly adhere to the "just in time" principle throughout the development process. This means that plant, machinery, and materials will not be stored on site before they are required for the building works. If storage is necessary, it will only be within the site boundary and for the shortest period possible.

The site manager will designate a specific area for the storage of plant and materials, which will be clearly marked and secured. It's important to note that while this designated area may change throughout the construction process, the principles of the safe storage of plant and machinery will be carried through wherever it is located on the site. The area will be designed to minimise the impact of storage on the local

environment and to ensure that there is no risk of materials or plant spilling onto public roads or footpaths.

The site manager will ensure that all plant and equipment are properly maintained and serviced to reduce the risk of accidents and that all materials are stored in a safe and secure manner. This will include the use of suitable storage containers, bunding, and spill kits, where necessary. All machinery and plant equipment that must remain on site will be switched off and secured when not in use. In accordance with the soft landscape specification clause 10, no materials shall be stored within the rootzone of existing trees.

To prevent any potential emissions, all materials, particularly those prone to emitting dust or dirt, will be covered with appropriate sheeting and securely fastened. Regular checks will be conducted on all areas within the site and on adjoining highways for any spillages. The site manager will also ensure that all hazardous materials are stored in accordance with relevant legislation and industry best practices. To minimise the environmental impact of the storage of materials, the site manager will encourage the use of recycled or reclaimed materials wherever possible and ensure that any waste is disposed of in a responsible and sustainable manner. Finally, the site manager will provide regular toolbox talks to site operatives and visitors on storage regulations and safety procedures to ensure the safety of all.

Landscape operations including the application of pesticides shall conform to the Control of Substances Hazardous to Health Regulations 2002 approved Code of Practice 6th edition, Environmental Protection Act 1990, Management of Health and Safety at Work Regulations 1999 and Part III of the Food and Environment Protection Act 1985 (FEPA), the Control of Pesticides Regulations 1986.

11. Wheel-washing facilities and road cleanliness

Wheel-washing facilities are crucial to prevent the spread of dirt, debris, and pollutants from the construction site to public roads and adjacent properties. Appropriate wheel washing facilities will be available and maintained throughout the construction process. The facilities will be located at appropriate points of exit from the site and all construction vehicles leaving the site will be required to use the wheel washing facilities to remove any mud or debris that may be carried on their wheels.

The site management will also ensure that all site operatives are aware of the importance of using the wheel washing facilities and will provide training on their use. Finally, the site management will regularly monitor the effectiveness of the wheel washing facilities and take corrective action where necessary to ensure that they remain effective in preventing the spread of pollutants from the construction site.

All site roads will be kept clean and free from debris at all times to prevent any soil erosion and to minimise the risk of slips, trips, and falls. The site roads will be swept regularly, and any debris or rubbish will be removed promptly. The use of water will be kept to a minimum to reduce the risk of creating muddy conditions.

12. Measures to Control the Emission of Dust and Dirt During the Construction Phase

To minimise the impact of dust and dirt emissions during the construction phase on the local environment, appropriate measures will be implemented throughout the development process. The following measures will be adopted:

- Wheel and chassis washing facilities near both of the vehicular exits,
- Debris netting attached to Heras fencing around the site boundary adjacent to the watercourse,
- Silt trap fencing adjacent to the watercourse,
- Water suppression attachments on machines when carrying out demolition of the existing building,
- Covered storage areas and sheeted delivery lorries,
- Where practical, the use of building materials that are pre-fabricated or cut offsite,
- Covering all skips when not in use,
- Correct use of all plant and machinery and regular maintenance.
- Dirt, dust and noise emissions will be continuously monitored by a designated person. Any deviation from the above methods will only be permitted in exceptional circumstances and with prior consent from the Principal Contractor or other relevant parties.
- Personal Protective Equipment (PPE) - All site operatives will be provided with appropriate PPE, including dust masks and protective clothing, to reduce their exposure to dust and dirt.
- Wetting the ground - Wetting the ground whilst during the foundation work can help to reduce dust and dirt by dampening the soil. Water trucks can be used to wet the ground, or a hose can be used to spray water onto the area where the work is being done.
- An enclosure will be used to enclose the area where specific tasks which are recognised as a high risk for producing dust or dirt are being undertaken. The enclosure will prevent dust and dirt from escaping.
- Eliminate and avoid any tasks that are not absolutely necessary.
- All tasks will be worked under the measures pre-approved in the risk assessment and method statement.
- Regular site monitoring will be carried out to assess the effectiveness of the dust and dirt control measures. Any issues will be addressed promptly to ensure that the environmental impact of the development is minimised.

By implementing these measures, the risk of dust and dirt emissions will be minimised, ensuring that the development is carried out in an environmentally responsible manner.

13. Site waste management

Waste management on the site will be carried out in accordance with the principle of hierarchical waste management priorities. This approach prioritises waste reduction, reuse, recycling and disposal, in that order. The Contractor will ensure that waste is minimised from the outset by ordering the correct quantity of materials in the most environmentally friendly way. Sub-Contractors (excluding those on a labour-only basis) will be responsible for ordering and supplying their own materials, minimising the risk of waste through over-ordering. The most environmentally friendly packaging will be used where possible, without compromising the safe handling and protection of materials. "Just-in-time" deliveries will be employed to reduce the risk of damage and waste

resulting from stockpiling. Local Sub-Contractors and suppliers will be employed to reduce fuel consumption and packaging needs.

Materials resulting from site clearance and demolition will be salvaged for reuse, where practical and in agreement with ground investigation reports. The use of reclaimed aggregate will be encouraged, and where reuse is not possible, recycling of waste will be prioritised. Segregated waste and recycling skips will be provided onsite, and each Sub-Contractor will be responsible for moving waste and recycling (segregated at the source where possible) into these skips. The management and disposal of hazardous materials will be carried out in a safe manner, preventing contact with ground or wastewater.

The disposal of any remaining landfill waste will comply with relevant statutory requirements, including the Environmental Protection Act 1990 and the Environmental Permitting Regulations 2007.

The waste management plan and principles outlined above will be communicated to all site personnel through regular toolbox talks and site inductions. These talks will ensure that all staff and Sub-Contractors are aware of the importance of waste management and their individual responsibilities in contributing to the successful implementation of the waste management plan. The toolbox talks will also include information on the correct handling, storage and disposal of hazardous materials in accordance with relevant legislation and best practice guidelines.

14. Noise and vibration

To minimise any noise and vibration impacts, the project will adhere to relevant legislation and guidelines such as the Control of Noise at Work Regulations 2005 and the Code of Construction Practice on Noise and Vibration. The project team will also identify noise and vibration-sensitive receptors in the surrounding area and implement appropriate measures to mitigate any potential impacts where necessary. These measures may include the use of low-noise equipment and the scheduling of noisy activities outside of sensitive hours. The project team will also monitor noise and vibration levels regularly to ensure compliance with relevant regulations and to identify any potential issues before they arise. All workers will receive induction training on the importance of reducing noise and vibration impacts and the correct use of equipment to minimise these impacts. Toolbox talks will take place for all Contractors to ensure they are aware of noise and vibration issues onsite.

15. Community liaison

We aim to maintain good relationships with the local community throughout the development process by providing clear and timely information about the project, responding promptly to any concerns raised, and minimising disruption wherever possible. To achieve this, we will appoint a dedicated community liaison officer (CLO) to act as the primary point of contact between the project team and the local community. The CLO will regularly update the local community on the progress of the project and provide advance notice of any works likely to cause disruption. Due to the remote location and very limited residents nearby, any disruption will likely be minimal. These can be displayed in advance on a community notice board outside the site compound fixed to the hoarding.

We will also provide a contact number for the local community to report any concerns or complaints related to the construction activities. All complaints will be logged, investigated, and responded to in a timely manner, and appropriate action will be taken to address any valid concerns. In addition to the above, we will carry out regular site inspections to ensure that the site is kept tidy and presentable, and that construction activities are being carried out in accordance with the CEMP.

We will also promote local employment and training opportunities wherever possible and encourage our Sub-Contractors to do the same. We believe that effective communication and engagement with the local community are key to a successful development process, and we are committed to working with the community to minimise any adverse impacts of the construction activities and to create a positive legacy for the area.

16. Protection of the water bodies during the demolition and construction phase

To safeguard the integrity of nearby water bodies during the construction phase, we will adhere to the best management practices as prescribed by the Environment Agency. This entails the installation of silt fencing along the construction site's perimeter adjacent to the watercourse, effectively mitigating the risk of sediment and other contaminants entering the aquatic ecosystems. Additionally, Heras fencing equipped with debris netting will be erected to establish a buffer zone, minimising the potential for dust or debris dispersal beyond this designated area. No work shall commence, nor shall any plant or materials be stored temporarily or otherwise within the buffer zone. An exception to this restriction involves tasks necessary for raising the levels and establishing boundary treatment along the brook's embankment. To proceed with work to the embankment an environmental permit will be obtained from the Environmental Agency. A written submission will be provided, and approval must be granted before commencing any activity within the designated zones. To facilitate the installation of all the required protective fencing, certain site preparation or enabling works will be necessary.

Additionally, we will implement a regular maintenance and inspection schedule for these control measures. Proper management and disposal of all waste generated during the construction process will be carried out in accordance with relevant regulations to prevent any adverse effects on the water bodies. Our measures align with the Environmental Permitting (England and Wales) Regulations 2016, which stipulate the requirements for protecting water resources during construction activities. During the site induction and toolbox talks, we will address the necessary measures to protect the watercourse so that all site operatives are clear about what is required. Regular toolbox talks will be provided to all site operatives and protecting the watercourse will form part of the site induction.

17. Temporary Lighting

No temporary lighting will be needed during the construction phase.

Appendix A

