



Construction Environmental Management Plan

0032: Moston Campus

Aug 2022 - Rev_03

General Information

Site Address

The site is located off Ashley Lane, Moston, Manchester.

Site Management

Site Manager – TBC

The Site Management emergency contact number will be displayed on the community signboard at the main site entrance.

Contract Description

The Works comprise the design and construction of 60 No. new build residential dwellings comprising a mix of two, three and four bedroom houses and one block of apartments. Works shall include the following, site set up, fencing and installation of welfare facilities, isolation of services and undertake investigations, Ground works and construction of foundations, superstructure works including brick and blockwork, timber frame erection to houses, internal floors, roof trusses and associated roof works, associated temporary works and scaffolding, fit out including joinery works, floor finishes, new kitchens, bathrooms, plaster to walls, ceilings, tiling. services installations: electric, hot & cold water & comms. Landscaping, external works, attenuation and drainage works

The works also include provision of electricity and water, hot and cold-water installations, full central heating installations, and all associated external works including external lighting, hard and soft landscaping, paving/paths, creation of car parking, and works to the existing highway.

Project Programme

The Main Contract Programme for this development is 85 weeks, initial commencement will be during March 2022 where the first action shall be to secure the boundary of the development and begin remediation works.

Risk Assessment & Method Statements (RAMS)

Watson Homes will require all sub-contractors on site to provide a set of RAMS for their scope of works prior to working on site. All RAMS will be reviewed and approved by Watson Homes Health and Safety Manager prior to works commencing on site to confirm they are adequate for the scope of works.

Site Welfare

All welfare on site will be in compliance with the requirements of the HSE and Considerate Constructors. Watson Homes standard is to include the following welfare facilities:

- Running hot and cold water
- Heated accommodation
- Provision for workers to dry clothing and footwear
- Provision of suitable office accommodation for the site management team
- Provision of suitable meeting space for the client (where applicable)
- Provision of accommodation for workers to take breaks and eat within
- Suitably sized toilet blocks connected to main drainage, where possible
- Furniture
- Fire extinguishers for accommodation

Hours of Site Operation

The working hours on site will be as follows:

- Monday to Friday: 7.30am - 6pm
- Saturday: 8am – 2pm

Quieter activities which are carried out inside buildings such as electrical works, plumbing and plastering may take place outside of agreed working times so long as they do not result in significant disturbance to neighbouring occupiers.

Site set up activities will not be permitted to take place before 7.30am however access to the site to allow site operatives to enter the site prior to 7.30am will be permitted.

Excessive noise / vibration will be limited to the hours between 7.30am and 6pm Monday to Friday and 8am to 2pm on Saturdays.

Dilapidation Survey

Prior to commencement of works on site a photographic dilapidation survey will be undertaken, the results of which will be made available to the Local Authority.

Parking

Parking shall be within the site boundary where possible although at times site operatives may need to park on local streets or local carparks where traffic restrictions do not apply.

Operatives will be informed of parking and traffic management arrangements as part of site inductions carried out. The Site Manager shall check on a regular basis that no parking associated with site activities causes a nuisance to others.

Construction Methodology

The anticipated foundations for this development are expected to be strip foundations although we are awaiting the final foundation strategy.

During any piling works Watson Homes will ensure that vibration and noise monitors are in place and will adhere to BS5228 during all piling works.

The apartment block will be constructed using a brick and block structure. The houses will be constructed using a timber frame construction.

Scaffolding will be erected during the erection of the superstructure; all scaffolding works will be performed by a suitably qualified contractor. Scaffolding will be inspected weekly whilst it is erected to ensure it is safe to use. Given the position of the site no oversailing of the scaffolding is expected onto any of the surrounding pavements.

Methods to deal with the possible presence of badgers

Watson Homes will remain vigilant during the construction of the development to potential presence of badgers. If a potential badger sett entrance is noted within the site boundary Watson Homes will engage an ecologist so that mitigation can be proposed.

During construction heras fencing will be used to secure the boundary of the development, this fencing will help minimise the chance of badger entry to the development site. The fencing will be maintained throughout construction.

Excavations and piping >200mm in diameter will be fenced / capped overnight to deter badgers from entering. Where excavations cannot be fenced they will be provided with means of escape for animals (e.g. sloping sides / ramps). All excavations will be inspected each morning to ensure no badgers have become trapped overnight. If a badger is found in any excavations an ecologist will be contacted immediately.

Site Security

Prior to starting on site, Watson Homes will secure the boundary of the development with heras fencing. Construction Site warning signs will be displayed around the perimeter of the site development together with project information boards to the elevation of Princedom Street. The site gates will be locked when unattended.

The site will have 24hour CCTV installation as soon as possible, prior to this a guard will be present for out of hours security. Prior to leaving the site at the end of the working day, Watson Homes Site Management will ensure the site is secure by carrying out daily perimeter checks.

Loading and unloading of plant and materials

Loading and unloading of plant and materials will be from the site access off Princedom Street. Delivery vehicles will not be allowed to block access/egress for residents. For larger deliveries, the Site Manager will agree in advance arrangements with the suppliers for wagon driver to park safely away from the site and phone in advance of arrival.

All construction traffic will be supervised by a banksman safely located to ensure safety of other traffic and pedestrians, both when entering and exiting the site.

Plant and materials will be unloaded inside the site boundary, by mechanical means. Removal of waste from the site will be by wagons loaded inside the site boundary and then driven away from site.

All heavy goods vehicles and deliveries shall be limited to between 8am and 5pm Monday to Friday and 9am to 2pm Saturday with no movements on Sundays or Bank Holidays.

Deliveries will be scheduled with suppliers to ensure that the cueing of HGVS on neighbouring streets is minimised. Delivery times will be communicated to suppliers via the site team and procurement team.

Storage of plant and materials

Storage of all plant and materials is required to be within the fenced site area and in areas designated by the Site Manager.

For the main site works, storage areas will be established in the compound area. Management of removal of spoil, programming of deliveries will be carefully managed to ensure that materials/waste stored on site is kept at optimum levels.

COSHH materials will be kept in a COSHH store, drip trays/plant nappies will be provided for all fuelled equipment, any fuel bowsters will be double walled. A mortar silo will be installed on a suitable platform with stop blocks.

Storage areas will be organised to provide safe travel/transportation routes minimising risk of collision, damage or loss of materials. All plant will be secured at the end of each working day. Small plant, tools etc will be taken off site or locked in a secured cabin. Access equipment will be removed, locked up or protected to prevent unauthorised use.

Non-inert waste will be placed in skips and either removed daily or secured overnight.

Measures to prevent deposition of dirt on the public highway

It is anticipated that dirt and dust should be limited due to the construction sequence which will see the new roads surfaced at an early stage of the project.

A water supply and water bowsters will be provided to the site for the duration of the construction period to enable the Site Manager to ensure suppression of dust and to clean away mud from wheels.

The site manager will arrange for road sweepers to attend site as necessary to remove any mud from the carriageways and footpaths during the day. All debris shall be removed from the wheels prior to the vehicles leaving site and that any mud that is deposited on site will be cleaned immediately.

During work hours the site team shall display "Site Entrance Ahead" signs. The site team shall have available to them signage which can be deployed at the first signs of mud being deposited onto the adopted highway i.e. slippery road sign with "Mud on Road" sub plates.

Control of dust and dirt

Works will be planned to minimise the extent of storage of materials from which dust could readily arise. The Site Manager shall ensure dust suppression measures are put in place. Control of dust from specific operations, such as cutting, is controlled strictly through risk assessments and method statements to protect the operatives' health. Materials will ideally arrive to site pre cut to size, if cutting is required this shall be controlled with vacuums and other forms of dust suppression dependant on the operation.

Wagons removing waste that could produce dust shall be sheeted over on site. Any storage of such waste on site shall be removed daily or covered over.

All gullies new and existing will be fitted with silt bags to ensure no pollution to water sources.

Noise Control Measures

The following measure shall be put into place to minimise disruption due to noise throughout the project. Noise will be minimised by the use modern equipment which is compliant with current standards and is the correct equipment for the task, that equipment will be regularly maintained to ensure its efficient operation. Plant shall be switched off when not in use. All ancillary pneumatic percussive tools shall be fitted with mufflers or silencers of

the type recommended by the manufacturer. Watson Homes are also part of the Considerate Constructors Scheme, receiving regular audits.

Reducing Noise

Noise levels of equipment are limited as far as possible in relation to health and safety criteria. Where noise levels from equipment are evaluated to go over the 85dBa threshold dictated by the HSE, then PPE must be worn by all nearby personnel. After evaluating the methodology of work, there are no significant noise levels expected on site.

The site will be powered by mains electricity as soon as possible, avoiding the out of hours noise associated with running a generator. Whilst generators are in use on site, they will either be specified to be low noise emitting generators or be housed within noise reducing enclosure to minimise potential impact.

Watson Homes will monitor noise on site at two set points closest the neighbouring properties. This will be monitored using a sound level meter, any exceedance over 80dBa will lead to the relevant works on site to be halted and the below measures be implemented as appropriate. An on-site record sheet will be maintained on site logging the decibel readings at the two stations three times a day.

Should a complaint be received from local residents/ general public the Site Management are required to respond to the concerns raised regarding noise. The Site Management must stop work and come to a solution, such as:

- Temporary barriers/enclosures (e.g. plywood with sound absorbing materials) can be built around noisy equipment.
- Changing the equipment to one which creates less noise.
- Changing the methodology to create less noise or vibration.

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Traffic Management

Any traffic management measures required on the adopted highway and outside of the site boundary will be communicated with as much lead time as possible with the local highway authority. This notification will contain accompanying plans to demonstrate measures to protect members of the public.

Temporary Lighting

No works within the site boundary will be planned to be undertaken in periods of darkness.

Temporary lighting will be provided in the compound area for security and safety reasons.

Task lighting will be provided as required and will be fitted throughout the apartment block once erected for security and safety reasons.

Lighting will be switched off during non-working hours except for where it is providing a security function.

Recycling/disposal of waste

Suitable spoil from drainage excavations will be segregated and reinstated in trenches.

Waste will be segregated on site or, if not, will be segregated at a waste transfer station by the appointed skip hire company. Waste transfer notes will be obtained for all consignments of waste removed from site.

The Site Waste Report will be completed with the details of waste arising from site and percentages re-used, recycled on and off site, and sent to landfill.

Community Engagement

We shall engage with the community in various ways, a monthly newsletter will be delivered. The notice boards to Princesdom Street will be regularly updated. A dedicated phone line will be available for residents to contact the site manager or a member of Watson Homes. All complaints shall be logged by our site manager and will be made available on request.

Complaints and general feedback are recorded in compliance with Considerate Constructor requirements and held on site. Complaints and feedback are reported back through the business to allow review by management and where a complaint is raised that cannot be managed at a site level then, in the first instance, the contract manager will respond to the complainant, should further escalation be required the construction director will speak with the complainant to resolve the matter.

Approval Log

Written By:	Rob Watson	Date	28 February 2022
Approved By:	Mike Watson	Date	28 February 2022

Change Log

Change	Rev
Initial Issue	01
Hours of Site Operation Updated	02
Section on Reducing Noise Added	03