



CONSTRUCTION METHOD STATEMENT

Commercial Units
Capitol Park, Barnsley
For Carnell Management Services Ltd

PDR Construction Ltd

Construction of Commercial Units Capitol Park, Barnsley For Carnell Management Services Ltd

Construction Method Statement

To be read in conjunction with PDR Construction Phase Health and Safety Plan and PDR Logistics Layouts (highlighted & attached).

Summary of Construction Work to be Carried Out:

The project is to develop a site off Capitol Close/Capitol Court at Capitol Park, Barnsley. The project consists of 15no. Units, in 7no. Blocks with a range of sizes from 2,000 sq ft up to 10,000 sq ft which includes service yards and car parking provision.

The principle site operations will include the following construction works/practices:

- Site set-up as the Site Management Plan
- Heras fencing to protect Public & provide working & storage space.
- Service Connections
- Reduce level dig
- Piling Works
- Foundations
- Structural Steelwork
- Roof & Wall Cladding
- Internal Services
- Concrete Slab
- Masonry Work
- Concrete Yard

Hours of Construction:

The working hours on site are as follows: Monday to Friday 8:00 a.m. – 6:00 p.m.

Saturday 8:00a.m. – 1:00 p.m.

No work shall take place on Sundays or Bank Holidays without prior permission from the Local Authority.

Erection and Maintenance of Hoarding/perimeter fencing:

A temporary hoarding/fencing will be erected to the perimeter of the construction zone, where required, to ensure that the general public are protected from any potential hazards throughout the works. The existing entrances off Capitol Close will be used and be manned during working hours by a gateman.

Parking of Vehicles of Site Personnel, Operatives and Visitors:

A site area parking for site operatives will be as highlighted on the CMP, within the designated area.

Contractors will also be encouraged to make arrangements to share vehicles and utilise local public transport, where practicable, to alleviate any potential problems with car parking.

Loading and Unloading of Plant and Materials:

Waste collections and material deliveries will be made via the entrance gates.

Waste collection and delivery vehicles will be issued with the site set up plan showing vehicle entry routes onto site. Materials will be unloaded from delivery vehicles using the site forklift or crane and moved to the designated material storage area.

Storage of Plant and Materials Used in Constructing the Development:

Storage and materials will be confined to an area as indicated on the enclosed drawing, but the preferred method will be to deliver materials, as required for the construction phases and distribute directly to the work area.

Before the project commences, access routes will be planned and deliveries programmed to ensure excess materials are not stored on site. The storage area will be clearly defined and all employees will be made aware of the requirements with regards to access, storage, tidiness, etc.

Materials will be called off in quantities, which will not create difficulties to the access road. All material deliveries to site will be stored safely.

Times, Routes and Means of Access into the Site for Construction and Delivery Vehicles (Including the Removal of Waste from the Site and Methods of Preventing Deposits of Materials on the Public Highway):

Proposed delivery times are as follows: Monday to Friday 8:00 a.m. – 4:00 p.m.
Saturday 8:30 a.m. – 1:00 p.m.

A gated crossover will be utilised to provide vehicular access onto the site for waste collection and delivery vehicles. Vehicles will be loaded and unloaded from the hard standing as described above, to prevent mud being deposited on the highway although minimal mud is anticipated.

Site operatives, with a hose and/or jet wash and brushes, will wash down the hard standing after waste collections and deliveries to ensure the hard sanding is clear of mud and debris at all times.

Mobile road cleaning facilities will be provided to clean any residual mud and debris deposited on the highway or access roads from vehicles exiting the site, as and when necessary.

Suppression of Dust and Site Emissions:

Follow 'The Control of Dust and Emissions from Construction and Demolition,' best practice guidance.

The development is identified as a 'Low Risk' site as defined in the above guidance. The following best practice measures will be followed:

Site Planning:

- No Bonfires.
- Plan site layout, machinery and dust creating activities located away from sensitive receptors.
- Responsible person in control of site.

Construction Traffic:

- All vehicles to switch off engines, no idling vehicles.
- Effective vehicle cleaning provisions (see above).
- All load entering and leaving site to be covered.
- No site runoff of water or mud.
- Use of ultra low sulphur tax-exempt diesel (ULSD) for site machinery, as available.
- On-road vehicles to comply with Low Emission Zone Requirements, as required.

Construction Works:

- Use water as dust suppressant.
- Cutting equipment to use water as a dust suppressant or suitable LEV (Local Exhaust Ventilation) system.
- Securely covered skips and cart away loads.

Site Activities:

- Minimise dust generating activities, use of pre-mixed, pre-fabricated and pre-cut building components.
- Use water as dust suppressant where applicable.
- Enclose and/or sheet stockpiles of loose material.

All activities will be assessed, using a risk assessment procedure, and method statement prepared to alleviate the potential emission of dust, following a hierarchy of; prevention; suppression; containment.

An inventory and timetable of potential dust generating activities is as follows:

- Site Clearance
- Earthworks
- Piling
- Above DPC masonry envelope.
- Hardstandings & landscaping.

The exact timing of these events will be determined by the prevailing site conditions and construction progress.

The following methods of dust suppression and control measures will be used to control dust emissions from the site:

- Undertake regular cleaning procedures to prevent dust build up.
- Specify hand tools as opposed to power tools for cutting/sawing, if power tools used, make arrangements for the work to be carried out in a controlled area with LEV (local exhaust ventilation device) fitted to the tools.
- 'Damp down' materials with water by fitting spray attachments to Stihl saws (but not to electrical equipment).
- Use vacuums and extractors and bags to remove dust at source.
- Avoid dry sweeping by using vacuum equipment.
- Screen off work areas to stop dust from spreading.
- Order ready mixed products as opposed to loose dry goods.
- Utilise pre-fabricated and pre-cut components wherever possible.

Site Construction Noise & Vibration:

All activities will be assessed to alleviate the potential for noise pollution and vibration. Where unavoidable activities will be planned so as they are located away from sensitive receptors and undertaken at times which minimise disruption and disturbance where possible.

Pre-fabricated and pre-cut components will be used where possible to mitigate the need for site cutting and other noise generating activities.

All plant and vehicles are to be turned off when not in use and the key removed to prevent unauthorised use.

Vibration monitoring will be undertaken during the piling operation to assess any potential issues that may arise.

Chemicals to be Used:

The following materials will be used on site:

- Diesel and petrol (associated with the operation of plant and machinery).
- Cement (predominantly pre-mixed concrete and mortars).
- Brick cleaner.
- Paints and solvents (internal decorating).
- Sealers, sealants and fillers.
- Glues and adhesives.

All chemicals to be stored, used and waste disposed of in accordance with the materials respective COSHH certificates and site waste management plan.

Fuel Storage Facilities:

Fuel on site will be stored in a bundied tank. When petrol is required on site it will be brought as required. There will be no liquid gas required on site and so no storage requirements. Spill kits are kept on site to contain a spill should one occur.

Inventory of Off-road Machinery and Control Methods:

The following off-road machinery will be used on the site:

- 360° Excavators (general ground works).
- Dumper trucks (general ground works).
- Roller (general ground works and hard landscaping sub-bases).
- Mobile crane(steelwork)
- Concrete pump (short periods during GF slab).
- Telehandler(masonry & envelope works)
- MEWPs (wall cladding & curtain walling)

All plant/machinery is required to have an examination certificate with it when it arrives on site. All operatives will be suitably trained and hold licences as necessary to use the respective plant/machinery.

The operator is required to complete a daily/ weekly check on any plant on site and the results of the inspections are recorded and kept on site. All plant is to be turned off when not in use and the key removed to prevent unauthorised.

Use of a pre-mix mortar silo will negate the need for cement mixers and loose materials on site.

Temporary Water Supply and Drainage:

The site will have a dedicated water supply that is used for the site accommodation cabins, for flushing the toilets, wheel washing facilities and general construction operations.

The site toilets are plumbed in to the main sewers via the existing drains on site.

Grey/recycled water wherever possible will be collected in water butts and used for washing off operatives tools and for mixing small quantities of cement and concrete.

Recycling of Waste:

A site waste management plan will be implemented on site.

All waste resulting from the works will be transferred to a waste transfer station and will be segregated for recycling, or be segregated on site. PDR Construction are aware of Legal & General's requirements and targets for recycling and sourcing of materials and shall provide records on completion.

In Knowledge of Method Statement:

This Method Statement will form part of our enquiries to all sub-contractors and material suppliers and will form part of the sub-contractors contract with ourselves.

Details of Staff/Contractor Training:

All personnel including visitors involved with the project will undergo a site induction, which will include a section on complying with this Method Statement.

All contractors who come onto site are required to provide the manager with copies of any relevant documents to ensure he has been adequately trained to do the job. Copies of the documents are kept on site with the operative's site induction.

Further onsite training and awareness will be undertaken through tool box talks etc., as works proceed.

Responsible/Competent Persons & Hot Line Telephone Number:

Site Manager/Agent: Gareth Orchard - PDR Construction - 07748637494

Health & Safety Manager: Ben Magson – First Construction Safety - 07954730536

Monitoring Protocols:

Monitoring is carried out by the site manager completing a weekly site audit which is backed up by the Safety manager completing a monthly audit. The manager will regularly walk around site to ensure that operatives are working to their method statement and that control measures identified in the risk assessment are being followed.

A site log book/diary will be maintained to record details and actions taken in response to exceptional incidents or dust causing episodes, and record the results of routine site inspections.