

CONSTRUCTION MANAGEMENT PLAN – Document Ref: 1901-CMP-01.

**Prepared in relation to Condition 3 & 4 of H01-0203-20
1st December 2020**

6 – PROJECT INFORMATION

6.1.1 Project Directory

Site Address: Off Backgate, Cowbit

Client: Broadgate Homes
Weston Hills
Spalding
Lincolnshire
PE12 6DB

Principal Contractor: Broadgate Homes
Weston Hills
Spalding
Lincolnshire
PE12 6DB

Principal Designer: Broadgate Homes
Weston Hills
Spalding
Lincolnshire
PE12 6DB

6.1.2 PROJECT DESCRIPTION

6.1.3 Programme

Contract Start Date: TBC

Duration: TBC

Site Working Hours:

Monday – Friday 7:30 am – 18:00pm

Saturday 8:00am – 13:00pm

No Sunday or Bank Holiday working unless permission is given.

6.1.4 Site Access

Access to the site is off Backgate and the site entrance will be clearly sign posted to include warnings for any pedestrians that may be using the footpath past the site. Signage will be displayed along Backgate stating that no construction traffic will be permitted to park on Backgate.

Signage will be erected warning the public of construction activities. During site induction all personnel will be informed of the dangers of the close proximity of members of the public and to ensure they are vigilant at all times and that all working areas are securely fenced and flashing amber beacons are operational on all plant.

Any large vehicles leaving the site will be under the control of a banksman.

At all times, the site entrance will remain clear of construction traffic.

A sub-base of clean hardcore will be laid to the site entrance prior to construction works to minimise the migration of mud onto Backgate.

As a secondary measure, a contractor will be hired to sweep Backgate as necessary.

The site will adhere to a 5mph speed limit.

Access routes and pedestrian walkways on site will be clearly defined and signed as necessary.

The Site Manager will ensure that access/egress routes remain clean and barriers/ fencing remains in place throughout the duration of the works.

6.1.5 Site Compound and Welfare Facilities

All site accommodation will be placed in a suitable location and will comply with The Construction (Design and Management) Regulations 2015.

The compound area shall be secured with 2m high blue metal fence. This will then be used for the welfare/office facilities and the secure store, also materials and plant shall be kept within this area outside of the normal working hours.

6.1.6 Security and Site Traffic Management

All working and compound areas will be protected using 2m high steel mesh fence panels secured to timber posts. These panels will be used as gates for the site entrance and will be locked outside of working hours or when left unattended.

Boundary trees and hedges are proposed to be trimmed back as per drawing no. 1901-FPA-03 revision C to allow for security fencing to be installed during construction and then permanent fencing installed once development is complete.

Any open excavations will be protected with barriers/fencing as depths determine. Plant will be immobilised and stored within the compound area out of hours, and all materials will be securely stacked within the compound area until use.

Visitors to the site will be requested to report to the Site Manager, sign in and receive an induction prior to entering any of the working areas.

Site Compound

Due to the size of the site a Portable Self-Contained Oasis Welfare Unit will be in permanent use located within the site.

6.1.7 Contractor Vehicle Parking

A hard-cored area will be made available on site for the operatives to park their vehicles throughout the contract period to alleviate parking on Backgate.

No parking will be permitted along Backgate or along the site entrance.

Signage to be in place throughout to indicate designated areas for parking.

6.2 – SITE SPECIFIC RISKS & RESTRICTIONS

6.2.1 Existing Structures and Local Surroundings

The site is agricultural land and housing surrounds the site.

6.2.1.1 Environmental

Any tree selected for removal will be assessed first by a qualified ecologist to see whether there are any nesting birds in or in close proximity to the tree in question. If nesting birds are present, the tree will not be removed until the young have fledged.

Ecologist will be consulted if any suspected species are present on the site prior to the construction phase.

6.2.2 Site Specific Hazards

The major hazards on the project are:

- Personnel being struck by mobile plant
- Public safety and highways interaction
- Work near underground services
- Work near overhead services
- Work in excavations
- Dust
- Noise & Vibration.
- Lifting operations
- Working at height
- Manual handling
- Site impact
- Storage of fuels/ substances
- Exposure to vibration
- Work with Asbestos Containing Materials
- Vermin

Works where any of the above and any additional site specific hazards may be encountered will not be permitted to commence until the relevant Risk Assessments and Method Statements have been produced and issued to affected personnel, all of whom will be required to provide their individual signatures as proof of receipt of the aforementioned documents.

Traffic management in relation to personnel on site will be considered at all times and when planning each stage of the works to ensure where practicable pedestrians are segregated from site traffic and have safe access to their area of work.

Unimpeded access along roads will be maintained throughout the project duration with speed limits clearly displayed.

If there are any electric lines over the work area, near the site boundaries, or over access roads to the work area, the project manager shall consult the owners of the lines so that the proposed plan of work can be discussed.

Where there is no scheduled work or passage of plant under the lines, barriers shall be installed to prevent close approach. However, where plant will pass beneath the lines, defined passageways shall be made with the installation of barrier systems, goal posts and signage as per GS6

The danger area shall be made as small as possible by restricting the width of the passageway to the minimum needed for the safe crossing of plant ensuring, where possible, plant crosses underneath OHP's at right angles.

The following precautions shall also be taken into consideration (as applicable):

- **Clearance** – the safe clearance required beneath the overhead lines should be ascertained from the owner of the line;
- **Exclusion** – plant, equipment or hand tools that could reach beyond the safe clearance limit should not be taken under the line;
- **Modifications** – plant such as cranes and excavators should be modified by the addition of suitable physical restraints so that it cannot reach beyond the safe clearance limit;
- **Additions** – cranes with telescopic or fly jibs may need additional restraining devices to prevent alteration in length of jib or angle of fly jib; and
- **Supervision** – All relevant persons shall be briefed of the controls in place. Access for plant and materials and the working of plant should be under the direct supervision of a suitable person appointed to ensure that safety precautions are observed.

The site boundary will be maintained in a secure manner at all times segregating operations from members of the public.

All deliveries must be controlled whilst entering and leaving the site. All the paths and roads surrounding the site will be maintained in a clean state with safe access available at all times.

The site will be managed with reversing manoeuvres eliminated where possible. For large vehicle movements and reversing manoeuvres where this cannot be eliminated dedicated banksmen **must** be used.

Signage will be in place throughout the project duration informing members of the public of the work taking place and the associated hazards that exist within the site.

CAT scans, trial holes and service drawings will be used to establish the position of existing services, all contractors entering site will be given this information and will be required to complete a permit to dig before they carry out any work.

Open excavations will be adequately supported, with personnel only working within protected areas. All excavations will be guarded as appropriate and inspected by a competent person prior to entry by any personnel.

Full confined spaces equipment will be used and procedures followed when entering confined spaces. Any person having to enter a confined space will be competent and fully trained. Entry will only occur if no other means of carrying out the work can be achieved and a confined space permit has been issued.

All lifting equipment and accessories will comply with the requirements of the Lifting Operations and Lifting Equipment Regulations 1998. All lifting operations will be carried out in accordance with BS 7121, and an appointed persons assessment in place prior to commencement.

All work at height will be assessed prior to operations commencing to ensure suitable safe access equipment and fall prevention / protection is identified. Under no circumstances will work occur at height without a safe working platform being in place.

All operators of mobile elevated work equipment will be competent, the equipment will hold a current certificate of thorough examination and operators will wear safety harnesses.

Tube and fitting scaffolds shall be designed and erected in accordance with the requirements of BS EN 12811-1 and NASC Technical Guidance TG20-13 and erected in accordance with

the requirements of SG4. Scaffolds shall only be erected, altered or dismantled by competent persons.

System scaffolds shall be erected in accordance with the manufacturers written guidance and by persons who can prove their having received training specific to that system scaffold.

All manual handling tasks will be assessed prior to the tasks being carried out; the use of mechanical aids to eliminate the need for manual handling will be planned into working methods as necessary.

Prior to the works commencing all neighbouring properties will be informed of the construction operations taking place. Contact details of the site management team will be issued to ensure that any queries or concerns can be discussed.

Noise, vibration and dust levels from site activities will be minimised as far as is reasonably practicable to ensure that neighbouring premises are not affected. Noise level surveys will be undertaken on site with results recorded where operations are likely to create any significant levels.

The type of construction work to be undertaken are of traditional construction methods. The plant listed below is the typical equipment that will be utilized at various stages throughout the construction phase.

Noise values have been assessed and found to be the following:

A Weighted sound pressure levels @ 10m

Predicted list of noise equipment – This list is not exhaustive.

Dozer - 75dB	Wheeled loader 76-81 dB
Tracked excavators – 68-79 dB	Telehandler – 71 dB
Roller – 73-75 dB	Cement Truck – 71-75 dB
Dumper – 60-75 dB	Diesel Generator – 56-74 dB
Road Sweeper – 76dB	Hand held circular saw – 87dB
Skip Lorry – 78dB	

All reasonably practicable means will be employed to ensure the protection of the local communities and the people directly involved on the construction site.

There are many general measures that can reduce noise levels at source such as:

Avoid unnecessary revving of engines and switch off equipment when not required

Keep internal haul routes well maintained and avoid steep gradients

Use rubber linings in, for example, chutes and dumpers to reduce impact noise

Minimize drop height of materials; start up plant and vehicles sequentially rather than all together.

Stationary plant such as compressors and generators will be located away from any noise-sensitive areas, noise generated from mobile plant must ensure that acoustic covers are maintained and kept closed when engines are being used or idling.

It is not envisaged that noise reducing screening will be required with the levels predicted, however if monitoring discovers that noise levels are exceeding 75db at the residential side of the site then these additional control measures will be assessed.

Monitoring positions should reflect the purpose for which monitoring is carried out.

Monitoring to confirm that planning conditions imposed to protect local occupants have been met may be undertaken at NSPs or at the site boundary, with a correction applied.

Monitoring is the responsibility of the site operator and should be carried out by suitably trained personnel.

Wind direction will be monitored and cutting operations take place in designated areas to ensure windblown dust cannot cause nuisance to processes on site or third parties off site.

Dust levels will be monitored and wetted down where necessary in dry conditions. During summer months a continuous wetting down procedure will be implemented throughout the working day to minimise dust levels.

During construction phase in inclement weathers all large vehicles will be jet washed down prior to leaving site. This will ensure that construction material does not migrate onto the existing highway.

Cutting operations and any operation which produces respirable silica dust will take place with water or other form of dust suppression in place (or extraction as appropriate) and operatives potentially affected wearing FFP3 respiratory protection with current and valid face fit test and certification.

Persons wearing respiratory protection will be clean shaven to assure validity of face fit.

All disc cutters to have water dust suppression.

The position of fuel tanks will be assessed to ensure they are sited away from watercourses. Individual containers of substances will be stored in secure units within a bunded area. Spill kits will be on site and any static plant will have a drip tray located beneath it.

The vibration levels of plant will be assessed prior to use to ensure that operatives are not exposed to unacceptable levels of hand arm vibration. Through forward planning processes will be replaced where possible to eliminate this risk e.g. breakers mounted on excavators rather than hand held. The vibration levels of equipment will be maintained on site within this plan.

No burning of any material is permitted.

6.2.4 Existing Site Services and Equipment

Prior to commencement of work surveys of existing services will be undertaken on and adjacent to the works using existing utility drawings, CAT scans and hand dug trial holes to determine the exact location, depth and status of all services.

Once these are established the locations will be surface marked and marked on site drawings. All contractors working on site will be made aware of the presence of known services and will also be required to submit adequate Method Statements and Risk Assessments identifying hazards and suitable control measures with regard to existing services prior to commencement on site.

6.2.5 Overlap with Client's Undertaking

Client's operations shall not be taking place on site however Client's personnel may be visiting site therefore site management must ensure such persons are inducted to site, are wearing/issued mandatory PPE and are instructed of site rules.

Representatives of the client who are deemed to have insufficient experience of construction sites are to be accompanied throughout the duration of their visit by a suitable competent person.

6.3 – PROJECT & SAFETY MANAGEMENT

6.3.1 Project Organisation

Site Manager: TBC

6.3.2 Method Statements and Risk Assessments

The Management of Health and Safety at Work Regulations place a requirement on all employers to carry out a suitable and sufficient Risk Assessment in order to adequately identify all risks persons who may potentially be exposed to by operations carried out within their undertaking and to then adequately manage those risks.

As appropriate a Method Statement will be produced for each element of the works accompanied by all relevant Risk Assessments prior to the works commencing and approved.

Before works commence all personnel involved in the operation will sign an attached register confirming acceptance to work within its requirements and safe working practices.

Sub contractors are required to abide by the same procedure, we require Method Statements and Risk Assessments to be submitted prior to start on site for approval purposes. Therefore no works shall commence on site without method statements being approved, and issued to all relevant affected personnel.

6.3.3 Sub Contractors

No sub contractor will be appointed or permitted to go ahead with any works without having first satisfied the Company of their competence and ability to allocate sufficient resources to carry out the works in a safe manner.

This will be ascertained following the review of the organisation's Health and Safety Policy, relevant insurances, Method Statements and Risk Assessments relevant to their works and any other documentation deemed necessary during the assessment process.

6.3.4 Emergency Procedures

A Klaxon air horn or similar audible device will be located in an appropriate position on site at all times in order to signal an emergency evacuation of the site and for persons to report immediately to the designated assembly point.

All of this information will be communicated to site personnel during induction and be detailed on the site fire plan, displayed within the site accommodation.

6.3.5 First Aid

While acting as Principal Contractor the company will ensure there is a person trained in first aid on site, together with a first aid kit. This will be stocked in accordance with the First Aid at Work Code of Practice, appropriate to the number of personnel on site. Facilities and a notice of personnel will be displayed in the site cabin.

If any contractors are working on site outside of the site hours they must arrange for this level of cover to be provided for their personnel, and in any event meet their statutory requirements as an employer.

As Principal Contractor, we will always maintain a presence on site whilst the site is occupied, and ensure a competent supervisor is in place, including holding relevant training and certification to ensure competence in the supervisory role.

6.3.6 Liaison and Coordination

Contract/Site Management will ensure adequate liaison will take place with project management, clients' agent and architect regarding any items which could be foreseen as requiring instruction prior to further commencement.

Site management will ensure any instruction received from any of the above persons will be communicated accurately and in good time to all relevant site personnel.

6.3.7 Safety Objectives and Responsibility

As Principal Contractor for this project, we are responsible for the on site management, implementation and enforcement of the requirements of this plan, Client's requirements and

those of the Health and Safety at Work Act 1974 and all subordinate relevant statutory provisions.

The objective of the Health and Safety Plan is to ensure the Health and Safety of persons working on or affected by this contract is satisfactorily managed.

This Construction Phase Health and Safety Plan should be developed as construction progresses.

During construction, this Health and Safety Plan will remain on site under the control of the Site Manager. The general information relating to the site will be covered during the site induction, which all site personnel and visitors will receive upon first arrival to site or at a time thereafter where the Site Manager feels appropriate.

In order to reduce risks to site personnel where design was not able to eliminate a hazard, only competent operatives holding relevant training and certification will be permitted to carry out on site operations following authorisation from the Site Manager.

6.3.8 Health and Safety Goals

“We will endeavour at all times to provide a safe and healthy working environment to all persons and to complete all works without harm to employees or others who may be affected by our works.”

This is achieved by careful planning of all aspects of the project including site layout, welfare provision and the outlay of sufficient resources required to carry out all works in the safest manner. It will be ensured persons carrying out works under our control will hold or be provided with all relevant training, equipment and realistic time constraints to safely carry out all operations.

6.3.9 Safety Monitoring

Continuous liaison will take place between our company health and safety advisor and Site Management regarding any health and safety related issue to this project.

6.3.10 Fire Procedures

The arrangements for fire procedures will be clearly communicated during the induction to site. The Site Manager will continually ensure the fire plan is maintained at all times and that the fire escape routes are not compromised.

Through the induction and displayed fire action notices the information regarding the arrangements for evacuation and assembly will be disseminated.

In the event of a fire or emergency evacuation on site all personnel must report to the designated assembly point and the emergency services contacted in accordance with this procedure.

If, in the event of a small fire occurring on site attempts should be made to extinguish the fire using the fire extinguishers provided on site, however persons should never put themselves at risk. In addition fire extinguishers will be provided in the site office and mess facilities.

No hot works will be carried out on site without a hot work permit being issued and no smoking will be permitted on site unless in the designated area.

6.3.11 COSHH

The storage of materials which constitute a COSHH hazard will be stored in accordance with the requirements of the COSHH Regulations and in the minimum quantities required.

Materials with potential to cause a physical hazard will be stored within secured containers and adequate PPE worn and all other control measures adhered to as directed by the manufacturers Health and Safety Data Sheet.

6.3.12 Information and Training

All statutory notices, signage etc required by current legislation will be displayed on site.

All personnel (including contractors) are required to demonstrate their competency prior to commencement of work on site.

In addition they are required to demonstrate to the Site Manager they are maintaining all statutory records and/or registers relevant to their activities on site, this requirement refers particularly to work in excavations (excavation inspection records), works at height (scaffold inspection records) and lifting operations (test records for lifting equipment and appliances and proof of competence of operatives).

6.3.13 House Keeping and Waste Disposal

It is essential that all site areas must be kept in a clean and tidy condition at all times in order to prevent an increased risk fire and trip hazards on site.

All waste produced on site will be disposed of to a licensed facility as appropriate in accordance with the requirements of the Local Authority.

Discharge of solvents, oils etc must be disposed of in accordance with the manufacturer's instructions and in accordance with the Hazardous Waste Regulations 2005 and not to be allowed to enter any drains or water course.

6.3.14 Plant and Equipment

No plant or equipment will be operated on site without first having satisfied all relevant test/certification/inspections being adequate. No plant or equipment will be operated on site without all relevant certification being held by the operator as appropriate.

6.3.15 Accident and Incident Reporting Procedures

All accidents will be entered into the site accident book which will be monitored in order to identify any accident trends and shall be reported to the Clients' representative.