

Land at Falcon Square, Eastleigh

Construction Environmental
Management Plan (CEMP)

UK Signature Homes with Regal Homes



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Introduction

The aim of the Construction Environmental Management Plan (CEMP) is to set out the responsibilities with regards to compliance with legislation and to implement any mitigation measures. This CEMP details management measures to minimise environmental impact from the construction phase of the development.

The CEMP forms a framework within which the measures will be implemented throughout the project. This framework provides project-specific management measures and is a dynamic document which should be reviewed if activities or conditions onsite change that may influence management measures.

This document has been developed to avoid, minimise and mitigate against any construction effects on the environment and surrounding community. It should be considered a living document with reviews being undertaken at set intervals and new information added as appropriate.

For the purposes of this document, the working area is defined as any area where there will be a requirement for temporary or permanent works to facilitate the construction of the development. This includes areas required for access, temporary construction and temporary storage areas.

1.0 Proposed Construction Programme & Methods

The detailed Construction Programme is attached with this report and will be available for review in the site office.

The key dates presented in the programme are as follows:

Key Stages	Date
Project Start	MONTH 1, first week
Site Access	MONTH 1, first week
Compound Setup	MONTH 1, second week
Compound Decommissioning	MONTH 5, end of
Project Completion	MONTH 6

No demolition is required to facilitate the construction of the development. The main construction activities associated with the development can be summarised as:

- Vegetation clearance and top soil stripping;
- Site establishment;
- Earthworks construction including movement of materials and parking bays;
- Construction of the superstructure includes the pouring of concrete, load bearing block and brick walls and the exterior fabric of the building;
- Internal fit out includes electrical and plumbing installations as well as plastered internal walls and block & beam floors;
- Hard and soft landscaping areas.

2.0 Site Location & Operating Hours

2.1- Site Location

The proposed residential development is to construct 2 dwellings, with access, parking and associated landscaping. The Site is in Eastleigh and within the administrative boundary of Eastleigh borough council. The site access is via Falcon Square, Wren Road & Nightingale Avenue.

In Figure 1 below, this refers to the proposed development detailed above and the proposed compound area in blue.



2.2- Site Operating Hours

The proposed operating hours are outlined below. During the construction period it may be necessary in exceptional circumstances to work outside the prescribed working hours. Should this occur, the hours and duration of these works will be subject to consultation with Eastleigh Borough Council.

Official site working hours would be:

- Monday – Friday: 8:00am - 6:00pm
- Saturday 8:00 – 1:00pm
- Sunday/Bank Holidays: No Work

In order to maintain these working hours, contractor(s) will require a period of 15 minutes before and at the end of the working shift to start up and close down the works activities.

3.0 Site Establishment & Logistics Plan

3.1- Site Establishment

Due to the location of the development consideration will be given to site logistics, deliveries, material distribution and construction activities to minimise the effect on the local community and school. The scheme will comprise of welfare facilities for the Contractors staff, sub-contractors, visitors and the client. The facilities will consist of a canteen, a store, drying room and WC.

The compound and site perimeter will be demarcated and secured by a solid construction perimeter fencing or hoarding and monitored by CCTV.

The pond mentioned in the council's report was drastically reduced in size due to recent temperatures and 2 buckets of water remained which have now been removed and the area has been filled in. There was no plant or animal life present.

Traffic Management systems will be implemented as necessary to demark site traffic routes, works access and egress, pedestrian segregation routes, footpath alterations and road and pavement closures. There might be temporary closure to the private access road to the rear of the building but this will be minimised as possible and sign posted appropriately.

3.2- Construction Traffic Measures

the following traffic management measures should be observed:

- Delivery vehicles will access site via Falcon Square, they will supply and remove materials from site using the varied transport links. In circumstances to reduce vehicular movements, deliveries will be made direct to the work zone to mitigate double handling and double vehicular movements.
- We will endeavour to not have any deliveries before 9am and avoid peak public traffic hours to reduce traffic congestion and nuisance to the existing road and highway network.
- To avoid construction traffic congestion and nuisance to the surrounding area all suppliers and contractors will be made aware of traffic routes.
- Site entrances will be maintained and kept clean and clear. The road will be swept when required to ensure no mud is left on the road.

- Clearly marked turning and manoeuvring areas will be within the site boundary and clearly demarcated.
- For environmental and road safety all materials containers leaving site will be appropriately covered to avoid soiling of the roads and highway. Engines of all vehicles, mobile and fixed plant on site are not left running unnecessarily.
- Using low emission vehicles and plant fitted with catalysts, diesel particulate filters or similar devices.
- Using ultra low sulphur fuels in plant and vehicles where possible.
- Plant will be well maintained, with routine servicing of plant and vehicles to be completed in accordance with the manufacturer's recommendations and records maintained for the work undertaken.
- All project vehicles, including off-road vehicles, will hold current MOT certificates, where applicable and where required due to the age of the vehicle and that they will comply with exhaust emission regulations for their class.

3.3- Site Material & Plant Storage

We are proposing 2 methods for a site compound. We proposed to the planning officer to utilise some of the green space on Falcon Square for the temporary site material and plant storage. Photo is above.

Alternatively, we will look to use the external front driveway of #67 for materials and plant storage but our preferred method is to use this for contractor parking.

All materials will be loaded within the site compound/boundary of the working zone to minimise congestion. The plant expected on site includes an excavator, a dumper and a forklift. All plant will be secured at night to prevent unauthorised use.

3.4- Site Parking Arrangements

The temporary site parking provision will be located within the parking bays of the new homes and will be arranged to meet the required number of operatives on site. The car park area will be clearly displayed in the site office and canteen. The details will be explained to all personnel during their site induction process.

3.5- Erection & Maintenance of Security Hoarding

The site will be secured by a mix of solid hoarding and Harras temporary fence panels. Relevant pedestrian and vehicle access gates will be incorporated to meet the site and health and safety regulation requirements. The delivery and personnel access gates will be controlled by the Site Management team. The site will also have a CCTV system installed. The fencing will be maintained to a high standard throughout the development and will be checked, maintained in line with temporary works procedures and recorded within the site managers weekly site tour.

3.6- Temporary Lighting

Due to the nature of the works and surrounding residential properties no perimeter lighting will be provided. Task lighting will be used on a need by need basis in the form of florescent strip lighting, this lighting will be switched off during non-working hours.

4.0 Roles & Responsibilities

4.1- The Site Manager is responsible for:

- Ensure the site and all stored materials and chemicals are safe and secure.
- Ensure F10 notice, signage indicating where and whom visitors should report to are clearly displayed.
- The site is kept in a tidy and orderly fashion. Waste will be managed in conjunction with UK Signature Homes procedure as applicable. We separate materials and recycle when possible and no burning of materials will be allowed on site.
- Controlled access arrangements as so those entering site may avoid hazards.
- Emergency egress arrangement so those leaving site in the event of a pollution or spillage incident may do so safely.
- There are First Aid Facilities and appropriately trained First Aid staff, spill kits are available and appropriately trained staff.
- Ensuring that the CEMP is developed & held on site and that it is implemented throughout all phases of the project. Ensuring the CEMP details are updated as and when relevant information is provided.
- Maintaining the CEMP and ensuring that all contractors and visitors comply with it.
- Ensuring that environmental issues identified within the Pre-Construction Information and the pre-construction site surveys and relevant information gathered from agencies, local councils etc are addressed.
- Producing environmental project specific controls for all significant risks identified and implementing control measures to minimise the risk of damage to the environment.
- Communicating the CEMP and other related document to employees, contractors and client representatives.

Ensure all those that work on site:

- Have a Site Induction including briefing on environmental issues pertinent to the project and relevant toolbox talks.
- Understand and obey the Site Rules and understand the site hazard board.
- Are made aware of the Emergency egress arrangements, Muster points, First Aid facilities and First Aiders, spill and clean up procedures.
- Have current certification for activities as required.
- Are aware of all environmental matters which arise on site.

Ensure the activities on site:

- When necessary are carried out under Client Operational Safety Rules.
- Have, task specific risk assessments and method statements (RAMS) in place identifying any environmental issue which may be applicable.
- Are carried out in accordance with the requirements of any associated RAMS.

4.2- Contractors and visitors to the project will be responsible for: -

- Ensuring that the control measures identified from environmental surveys are implemented as they are relevant to their work / visit.
- Ensuring that the project management team are notified of any nonconformance of control measures or environmental incident where the environment has been put at risk.

4.3- The site HSEQ Advisor is responsible for:

Ensuring work is carried out:

- In a safe manner and in accordance with any manufacturers' instructions etc., good standards of workmanship.
- Ensure site staff are working in accordance with agreed Risk Assessments and Method Statements (RAMS) particularly where activities have the potential to cause environmental harm.
- Health and safety advisor to complete the site waste management plan and ensure it is followed.
- Ensuring that the CEMP is implemented throughout all phases of the project.

Monitoring HSEQ issues by:

- Weekly checks and "toolbox talks" carried and recorded.
- Weekly site audits.
- Consulting workers on the effectiveness of measures to reduce risk to the environmental, reviewing and improving conditions or methods/procedures where appropriate.
- Keeping records of and reporting any incidents and close calls (near misses).

5.0 Contractor & Visitor Information

5.1- General Information

All contractors and visitors to the site will be made aware of the Site rules, Environmental policy and the controls applicable to their presence and activities on site including but not limited to:

- Method statements
- Risk Assessments
- Site induction which include Environment briefings
- Tool box talks.

5.2- Information Management

The Site Manager will be responsible for monitoring communications between all relevant parties to the project ensuring that all environmental matters to the project are discussed and managed and observation of the communications will be documented in the weekly site meetings and sent by e-mail.

5.3- Displayed Information

Relevant site contacts, developer contacts, layout and location plans, location and construction of the site compound, storage locations and car parking are to be displayed on an information board in the site office.

6.0 Environmental & Ecology Site Assessments

Environmental & ecology site assessments have been undertaken and are available as needed.

7.0 Monitoring

7.1 Site Waste Management Plan

Site waste management will be managed by the Site Manager to include the monitoring of all waste streams, recycling and energy consumption. The information obtained can be used against industry benchmarks to record actual waste production with a view to implement waste minimisation actions, forecast waste amounts and produce duty of care notes.

All waste streams will be segregated where possible on site before being removed by a licensed carrier. Any mixed waste will be processed at a licenced transfer station to segregate and assist with recycling/reusing waste to avoid land fill.

7.2 Air Quality Plan

Dust generated through all work activities will be controlled at the source, so far as reasonably practicable using recognised methods and in line with legislative requirements.

7.3 Control of Detritus

To control material being transferred onto local roads or accessing water courses at the development's infancy, appropriate measure when installing sewers and forming roads will be implemented. We will ensure bunging and tankering of existing sewers, a wheel wash facility, scraping of roads once formed, installing driveways to plots and applying an appropriate traffic management plan.

7.4 Vibration & Noise

Risk Assessments and Method Statements (RAMS) from contractors will be scrutinised and authorised before work commences to ensure the requirements Noise and vibration statutory nuisance are controlled under the Environmental Protection Act 1990 are understood, factored into working methods and adhered to.

7.5 Water Consumption

We will ensure to:

Reduce the risk of uncontrolled water use.

Minimise the risk of leakage; ensure valves and overflows are visible for early detection of water loss and easy to access for maintenance.

Influence user behaviour: Creating a culture that changes attitude and behaviour to accepting ownership of water efficiency is fundamental to improving the use of water in an efficient manner.

Good housekeeping (e.g. reporting/repairing leaks, turning off taps which are not in use, and generally using water in an efficient manner) can assist the site reduce its overall water use. The provision of information on appropriate use of fittings and appliances; awareness raising of the costs and environmental importance of water efficiency via Tool Box Talks.