



CONSTRUCTION MANAGEMENT PLAN

LAND AT HARVESTER WAY, CROWLAND

MAY 2019

INTRODUCTION

This document has been produced to satisfy the requirements of Conditions 8 and 9 attached to planning consent ref: H02-0062-19 for the construction of 100 dwellings on land at Harvester Way, Crowland.

The implementation of and compliance with this plan is the responsibility of the Construction Manager for the site, who will ensure that it complies with all statutory requirements (including Health and Safety requirements) and will make sure that all project personnel.

PROJECT CONTACTS

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ENVIRONMENTAL POLICY

The project will comply with the Wheatley plc Environment Policy. The project shall ensure that the policy is made known to all relevant personnel. This will be undertaken through various methods including site inductions, method statements and risk assessment briefings and toolbox talks.

All subcontractors will be provided with a copy of the Environment Policy and Health, Safety and Environmental Terms & Conditions for Sub Contractors that set out the minimum environmental requirements.

ENVIRONMENTAL RISK ASSESSMENT

An Environmental Risk Assessment identifying significant aspects and impacts identified for the construction phase will be produced and will form part of the project risk register. This will be developed prior to commencement of the construction phase.

The register shall be reviewed and revised monthly or as required e.g. due to changes in the scope of work. Any new environmental aspects and their impacts will be updated accordingly.

The risk scoring system allows the impacts to be prioritised and the most significant identified. For each of the aspects the potential impact is scored for the situation where no mitigation measures are employed and again where mitigation measures are employed.

LEGISLATION, REGULATION AND OTHER REQUIREMENTS

The Project will comply with all relevant legislation, regulations and Local Authority standards, and comply with all necessary consents to ensure legal construction works.

The Contracts Manager is responsible for ensuring that the project complies with all applicable environmental legislation, regulations and other requirements. A legislation register is maintained by our Health, Safety and Environmental manager which is updated following any changes legislation. All changes to legalisation will be evaluated and communicated to the relevant project personnel through environmental alerts, newsletter, briefings or toolbox talks.

Other requirements and regulations from the Local Authority, Highways Agencies or other Statutory Bodies will be reviewed by the Project Management Team and implemented where applicable.

SITE SPECIFIC CONTROLS

Emissions, Monitoring and Measurement

We recognise a distinction between active and reactive monitoring as follows:

Active

- Site Management
- Boundary and watercourse inspection
- Health, Safety and Environmental inspection Water sampling where necessary
- Environmental Duty Holders Site Inspection
- Senior Managers Tours
- Internal inspections and audit
- Noise and vibration monitoring
- Advance planning of operations generating dust
- The table below identifies examples of environmental risks and measures that will be taken to eliminate or reduce the risk. This is not a complete list.

Reactive

- Incident reporting
- Complaint recoding and investigation
- Water sampling where necessary

VERMIN AND PEST CONTROL

Welfare facilities (canteens, mess rooms, drying rooms, locker rooms, toilets etc.) will be provided for the project. These will be cleaned daily and maintained in a good condition. It is expected that the users behave properly towards the facilities provided. All food and drink will be disposed of in a lidded container and emptied on regularly. Anyone found to be abusing welfare facilities will be dismissed from the site.

All food and drink is to be consumed within the mess rooms and the site canteen. Consumption of food outside of welfare facilities encourages the spread of vermin causing further potential occupational health risks, e.g. leptospirosis (Weil's disease).

As the site is in a rural area there are rodents in vicinity. This will be monitored as the works progress. If required, rodent control measures will be put in place.

PREVENTION, CONTAINMENT AND CLEANING UP SPILLAGES

Liquid storage

A suitable and sufficient COSHH assessment will be prepared for all hazardous material to determine the most practicable means to prevent polluting materials from entering the hydrological systems and other aspects of the environment.

Adjoining water courses are a risk and measures will be taken to ensure that this does not occur.

All fuels will be stored in compliance with the Control of Pollution (Oil Storage) Regulations 2001. Diesel fuel shall be stored in dedicated bunded, impervious storage areas, away from drains and watercourses.

Drums over 200 litre shall be stored on drip trays capable of holding 25% of the drum's maximum capacity. Fuel tanks shall be stored within a bund capable of holding 110% of their capacity. All pipes and gauges shall be within the wall of the bund. Spill kits will be available at various points around the site and located next to bowers and drums.

Solids

Spillages of dry and dusty materials will be avoided by good housekeeping methods including storing under cover and on hard standing. Skips will be covered where there is a risk of material becoming airborne.

All waste will be segregated for environmental disposal. We use the waste management hierarchy of control to reduce and manage waste. Our aim is to extract the maximum practical benefits from products and to generate the minimum amount of waste.

Wheels of site vehicles will be cleaned before they leave site. This will be supplemented by a jet wash system at the site entrance(s). This will prevent tracking of mud and debris onto surrounding routes.

Dealing with spills

Spill kits will be available at various points around the site and located next to bowers and drums. Should a spill occur the following will be implemented:

- Work will be stopped immediately;
- All possible ignitions will be extinguished if the spilt material is flammable;
- The spill will be contained using spill kits;
- The source will be identified and sealed as practicable;
- Granules / pads will be used to mop up as much spill as possible;
- The project Contracts Manager will be informed of the spill;
- In the unlikely event of the spill entering the nearby watercourse we will contact the Environment Agency immediately;
- The granular material and pads and any containment items will be treated as hazardous waste and disposed of accordingly.
- An incident report form will be produced by our Health, Safety and Environmental Manager within 24 hours
- of the incident occurring.

FIRE CONTROL

General

The necessity for hot work to be carried out on site will be eliminated by all project designers and our subcontractors so far as is reasonably practicable. A fire risk assessment will be developed to comply with the Regulatory Reform (Fire Safety) Order 2005 (as amended). The management of hazards where fire can breakout will be undertaken in line with HSE HSG168 "Fire safety in construction" and the "Joint Code of Practice on the Protection from Fire on Construction Sites and Buildings Undergoing Renovation".

A Site Fire Safety Coordinator will be appointed to ensure adherence to develop and manage a Site Fire Emergency Plan. In addition, they will coordinate the issues below:

- Ensure suitable fire points including sounders, are located throughout the site;
- Ensure evacuation plans and procedures for calling the fire brigade are fully developed;
- Ensure instructions in the event of an emergency are communicated to all site personnel;
- Implement effective security measures to reduce the risk of arson;
- General housekeeping, removing and limiting storage of material that may increase fire loading;
- Implement a robust Hot Work Permit regime as necessary;
- Ensure fire escapes remain clear at all times;
- Fire brigade access, facilities and coordination;
- Fire drills are carried out;
- Prohibit burning on site.

The fire risk assessment will be reviewed and updated as the construction phase develops. In addition, weekly inspections of all areas will be carried out and the findings recorded on a weekly inspection report. All areas will be kept clean and tidy and stored materials will be properly coordinated and controlled.

Waste Management and Storage of Materials

During construction phase the site will be kept free from the buildup of combustible materials. Pedestrian routes through the building will be kept clear of stored materials. Offending contractors and personnel will be issued with Clean Up and obstruction notices.

Storage of Materials

We will operate a 'just in time' delivery system with all deliveries needing to be booked in advance of the delivery. These will ensure that there will be minimal storage within the dwellings under construction. The site construction plan illustrates the location where materials will be stored.

Fire Points

Fire Station Points will be located throughout the site at key strategic positions throughout the site, including the site compound and site office accommodation.

In general terms each fire point will consist of:

- Water extinguisher;
- AFFF Foam extinguisher (Aqueous Film Forming Foam) - where applicable;
- CO2 Gas extinguisher - where applicable;
- Fire blanket in food preparation areas;
- You Are Here plan;

The Fire Points will be routinely checked daily by appointed persons and weekly by the site safety supervisor. Evacuation signage will be posted and maintained by the Fire Wardens as the construction phase progresses.

NUISANCE TO NEIGHBOURS AND POLLUTION TO THE LOCAL ENVIRONMENT

The Environmental Risk Assessment will highlight the potential environment impacts will be and how they will be effectively mitigated.

Any complaints will be forwarded to the Project Contract Manager to address. Once these have been dealt with they will be recorded in the project file.

Construction activities will be limited to the following hours:

- 08:00 to 18:00 Hours Monday to Friday
- 08:00 to 13:00 Hours Saturdays
- No work to be carried out Sundays and Bank Holidays, the site will remain closed.

TRAFFIC AND TRANSPORTATION

Traffic both on and off site will be managed to minimise the impact to site operations and the local community. A traffic management plan will be developed prior to start on site. Throughout the duration of the construction phase we will ensure the plan is appropriately reviewed, updated and revised, so that it remains effective.

On site, the following would be implemented:

- Switching off vehicle engines when not required
- Parking provided on site
- Use of a form of wheel washing processes as appropriate
- Preparation of hard-standing
- Scheduling of deliveries
- Site speed limits on access roads
- Removing debris from public roads by mechanical road sweeper if required.

Access and egress to and from the site will be from Harvester Way.

DUST AND NOISE

There is the potential for fugitive dust emissions to arise during the construction phase of the development, appropriate dust control procedures to ensure that construction dust does not pose a nuisance threat to nearby residential properties. This risk will be reduced by the construction of the primary estate roads with a tarmacadam base course early in the construction phase.

Where this is not practical, e.g. domestic drive ways, dampening down will be carried out during long-term dry periods. In addition, the speed limit on site will be set at maximum 10 MPH.

Those most at risk to emissions from the proposed development include neighbouring open fields and residential properties. If significant quantities of dust were to be generated deposition rates are likely to be low and unlikely to constitute a reasonable cause for nuisance complaints.

To prevent unacceptable impact from dust control measures will be employed as necessary. These may include damping down dusty surfaces, controlling the speed of mobile plant crossing un-surfaced areas, mechanical road sweeper on public road; sheeting HGVs carrying dusty loads. The residual impact at the nearest residential properties is expected to be negligible. These procedures will be written into the construction management plan.

The following specific mitigation measures may be appropriate to control fugitive dust emissions during the construction phase:

- Provision of debris screening and damping down;
- The site vehicular exit route is to be kept clean and vehicles transporting dusty materials will be covered;
- All vehicles leaving the site will be inspected and cleaned as necessary;
- All site traffic will be instructed to keep to designated haul routes to reduce the break down and subsequent escape of fine material into the atmosphere.
- It is considered that fugitive dust emissions during the construction phase of the project are expected to be minimal.
- Construction work will be planned and managed to comply with BS 5228:2009 + A1:2014 Code of practice for noise and vibration control on construction and open sites.

AIR POLLUTION

Air pollution such as odour's and fumes may arise from the following activities:

- Use of heavy plant and machinery;
- Road vehicles, particularly HGVs.
- Air pollution will be managed to reduce impacts to a minimum, and to eliminate where practicable.
- Management will be achieved through:
- The prohibition of fires on site;

- All fuels, oils and other Volatile Organic Compounds (VOC's) will be stored as instructed by manufactures safety data sheet and following COSHH assessment;
- Consideration will be given to prefabricated materials where possible to reduce localised air born emissions and contamination;
- Vehicles and plant will be switched off when not in use;
- Ensure vehicles and plant are not over loaded to reduce exhaust emissions;
- Modern, properly maintained plant and equipment is used;
- Mains electricity supply will be used in preference to generators where practicable.
- All work activities will be carried out in accordance with Environment Legislation and guidance.

WASTE

All waste will be handled and disposed of in line with the “Duty of Care” Regulations. It is the responsibility of all persons on site to dispose of waste in the correct receptacles and to report any waste being stored incorrectly or escaping from the site area.

Opportunities to minimise waste through the design process have been considered and actions taken where they have been identified and are cost effective.

Waste Reduction

It is a Wheatly plc policy to reduce the amount of waste generated and sent to landfill. Waste elimination (through design) and reduction is an integral part of our processes. All waste generated by the project will be assessed against the waste hierarchy to determine the most environmentally effective waste management option.