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Commercial Development

Upton Steel, Stanton Lane, Markfield

Construction & Environment Management Plan

V1

REF: Upton SL

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Contents

Page Number

1. Introduction.....	3
2. Project Organisation and Responsibilities.....	4
2.1. Build Manager.....	4
2.2. Contracts Manager.....	4
2.3. Site Manager.....	4
2.4. Environmental Specialists.....	5
3. Project Communication and Coordination.....	5
4. Training.....	6
5. Operational Control.....	6
6. Checking and Corrective Action.....	6
7. Environmental Control Measure.....	6
7.1. Access/Egress to site.....	6
7.2. Highways and Construction Phase Traffic.....	7
7.3. Air Quality.....	8
7.4. Noise and Vibration.....	9
7.5. Control of Watercourses and Groundwater.....	8
7.6. Traffic management for S278 works.....	10
8. Complaints Procedure.....	10
9. Site Waste Management.....	11
10. Appendix.....	12-13

1. Introduction

The construction phase of the Upton Steel project needs to be carefully controlled and dynamically monitored to not have significant impacts on the environment, local community, and the existing Upton operations. Both client and the construction contractor have key responsibilities in ensuring that these environmental impacts are controlled sufficiently.

Management during the construction works will be delivered through this Construction & Environmental Management Plan (CEMP). This will detail how construction works will be undertaken and managed in accordance with the Planning Application, Planning Conditions, Contractual and legislative requirements and Construction Industry Best Practice.

The CEMP will be developed up until site commencement and all site works should be undertaken in compliance with this plan. The CEMP shall include details of the topics listed below:

- Project Organisation and Responsibilities.
- Project Communication and Co-ordination.
- Training.
- Operational Control.
- Management and Timing of deliveries.
- Construction Access and routing of Construction traffic.
- Phasing of the development.
- Checking and Corrective Action.
- Complaints Procedure.

The CEMP will also be reviewed at least every 6 months during the construction process and will include information on the review procedures.

2. Project Organisation and Responsibilities

The CEMP will clearly define the role and responsibilities of the project team and descriptions of these roles will be provided in the following sections;

2.1. Construction Director

The Construction Director will have overall responsibility for monitoring the performance of the project against statutory agreements and the agreed objectives of the targets. Duties would also include:

- Review and approve the Contractor's CEMP together with any specialist procedures and identify the need for any improvements.
- Identify the competence of all sub-contractors to be employed for the works.
- Review construction method statements with regards to environmental aspects and advise of suggested improvements prior to works commencing.
- Provide main contact between Contractor and Developers project team on environmental and construction issues.

- Act as a main point of contact between the regulatory authorities and the project with regards to all issues.

2.2 *Contracts Manager*

The Contracts Manager will be responsible for coordination and managing all the environmental activities during the construction works. Such duties include:

- Develop and review the CMP, method statements, work instructions and other specialist procedures.
- Identify competence requirements for all staff and ensure delivery of relevant training to the team. Produce and monitor training matrix for all site staff.
- Review and improve method statements for all environmental aspects prior to commencement of works.
- Monitor construction activities to ensure that identified and appropriate control measures are effective and ensure compliance with the CEMP.
- Carry out weekly site inspections and complete an inspection report to identify any actions that are required.
- Provision of advice and liaison with sub-contractors to ensure that risks are identified, and appropriate controls developed which are identified in the method statements.
- Assist with the development and undertaking of training for site staff

2.3 *Site Foreman*

The Site Foreman will be responsible for the following:

- Assist the Contract Manager in developing and maintaining the CEMP together with other documentation.
- Monitor construction works to ensure any necessary control measures are in place to meet the requirements of the CEMP.
- Carry out weekly site inspections and complete an inspection report to identify any actions that are required.
- Assist in responding to complaints.
- In the event of an environmental incident ensure correct procedures are followed.
- Provide information on waste management/reduction procedures to relevant staff.
- Implementation and operation of environmental controls on site.
- Respond to any environmental incidents such as spills.

2.4 *Environmental Specialists*

If deemed necessary, a team of experts would be available when required to support the project team. Their role would include the undertaking of any necessary watching briefs

3. Project Communication and Coordination

Periodic meetings will be held between the team members to discuss performance to date, the need for necessary improvements, results of inspections and any complaints received. Upcoming work operations will be reviewed in order to plan any necessary actions to alleviate risks and to disseminate information on best practice. If necessary, representatives of the Statutory Authorities may also be invited to attend such meetings as and when required.

Dirty or noisy works that are likely to affect specific neighbouring residents or residents of the development itself once occupied will receive notification via a letter drop which will be carried out prior to the works taking place to inform those residents of the works to take place. If possible, this letter drop will be undertaken at least a week before the works are undertaken, if a week is not possible then the letter drop will take place to give the residents the maximum amount of notification prior to the works taking place.

4. Training

A Training Matrix will be developed and placed on site which identifies competency requirements for all staff with responsibilities and details of the training needs to ensure that such requirements are met. Records/copies of competence and training will be maintained, and all site staff will be inducted on the environmental issues related to the project and the CEMP. Toolbox talks covering specific environmental aspects will also be undertaken as and when necessary.

5. Operational Control

Site works will be checked against the CEMP requirements. Any mitigation measures that have been agreed with the statutory authorities, or are part of the conditions, will be put in place prior to the undertaking of works for which they are required, and all relevant staff are briefed accordingly.

6. Checking and Corrective Action

Daily inspections of the site and the works will be undertaken to minimise the risk of environmental damage and to ensure compliance with the CEMP. Any incidents are to be reported immediately to the Site Manager. The Contracts Manager will undertake monthly inspections and complete an assessment of the performance of the project regarding the relevant standards/legislation and CEMP.

7. Environmental Control Measures

Specific procedures to manage the key environmental aspects of the project will be developed by the Contractor prior to work commencing which will include the following:

7.1 *Access/Egress to Site*

There is one access into the development, the main access/egress to site for construction traffic, site staff and visitors will be via the existing field access location to the south of the Phase 1 works (see photo in APENNDIX B), which will remain for the duration of the Works, and be removed and made good on completion.

This temporary access shall be gated and fenced to prevent unauthorised access when not in use.

Restrictions on delivery & working hours are specified as:

Monday to Friday 07:30-18:00

Saturday 08:00-13:00

No works permitted on Sunday or Bank Holidays.

Access across the site during the construction phase will be restricted to specific access routes which will be suitably protected and clear of construction operations.

Access to adjoining properties shall be always maintained. Sufficient notice shall be provided, and properties informed of all works and restrictions including any health and safety issues.

Deliveries are directed to the storage area within the compound to offload. All vehicles are to off-load within the site compound, except for deliveries which require off-loading on plot

Everyone is required to sign in when attending site, reporting to the site cabin, and signing in using the signing in logbook in line with HSE requirements.

7.2 *Highways- Construction Phase Traffic*

In order to lessen the impact of construction traffic during peak hours, a Traffic Management Plan will be developed and implemented by the Contracts Manager which will focus on:

- Co-ordination of car parking construction personnel.
- Implementation “just in time” contract plant hire.
- Restriction of unnecessary vehicle movements during the day.
- Co-ordination of deliveries to arrive outside of peak times where appropriate.

A site compound will be provided adjacent to the construction access, this compound will provide:

- Site offices and welfare facilities
- Vehicle parking for site operatives. No construction vehicles will be permitted to park outside of the site.

- Materials Storage area and unloading facilities.

7.3 *Air Quality*

The Contractor will ensure that measures are in place to minimise dust pollution during construction activities, drier periods and earth works operations.

The main activities where dust is likely to be produced are:

- Traffic movements to, from and around the site during dry weather conditions.
- Cutting operations.
- Mixing of products during construction.

All sub-contractors are required to produce risk assessments, method statements & COSHH reports for all activities that are carried out during their works and ensure that their personnel adhere to them. These assessments are then reviewed by the Construction Teams. Copies of these reports are held in the Site Offices.

Health & Safety Policy & Procedures manuals are also present in the Site Offices and this contains risk assessments & COSHH reports on all activities usually carried out on a construction site. The risk assessments by trade detail the measures to be carried out to protect the personnel carrying out the works and personnel working around them.

The recognised and most effective way of controlling dust pollution is by damping down with water at source. This procedure will be adopted for all operations carried out in the open.

Where it is practical operations will also be shielded using monarflex sheeting fixed to applicable fencing. During dry conditions site roads will be damped down to prevent dust arising from the use of forklift trucks and delivery transport.

When required waste skips will be covered to prevent dust and waste materials being blown around the site.

These policies will be disseminated to the relevant site operatives during toolbox talks and subcontractor meetings.

7.4 *Noise and Vibration*

It is not envisaged that issues associated with noise and vibration will be encountered but industry recognised controls will be initiated.

7.4.1 *Construction Noise*

All construction noise levels will be kept to a minimum where practical, and as per the CEMP work times will limit construction noise on site. Awareness has been taken for

residential properties along Shaw Lane. Relevant hoarding and fencing will be used to shield noise, and visual intrusion for all nearby residents.

Several safeguards have been implemented to minimise the effects of construction noise and these will apply during the construction on the proposed development. These include:

- The various EC Directives and UK Statutory Instruments that limit construction noise pollution
- Guidance set out in BS5228: Part 1:1997, that covers noise control on construction sites
- Sections 60 and 61 of the Control of Pollution Act 1974 control environmental noise and pollution on construction sites

In addition to the above, the following measures will also be considered where appropriate:

- Any compressors brought onto site should be silenced or sound reduced models
- All pneumatic tools should be fitted with silencers or mufflers
- All plant items should be properly maintained and operated according to the manufacturer's recommendations to avoid causing excessive noise.
- Deliveries should be scheduled to arrive during daytime hours only and care should be taken when unloading vehicles to minimise disturbances. This also includes vehicles being prohibited from waiting on site with their engines running.
- Problems concerning noise from construction works can sometimes be avoided by taking a considerate approach to relations with residents. Works should not be carried out outside of working hours agreed with the local authority.

Experience from other sites has shown that by implementing these measures, typical noise levels from construction works can be reduced by 5dB (A) or more. As construction works are temporary and noise levels have been calculated for a worse-case scenario, no further mitigation measures are necessary.

7.5 Control of Watercourses and Ground Water

Precautions will be taken prior to and during construction to ensure the protection of watercourses and groundwater against pollution. These measures would be indicated by site investigations works discussed above, and the CIRIA Report 532 'Control of Water pollution from Construction Sites and Environment Agency Pollution Prevention Guidelines- principally PPG6 'Working at Construction and Demolition Sites'.

7.5.1 Vehicle Wash

There will be vehicle washing facilities via jet wash and operative to clean vehicle wheels/wheel arches/mud flaps prior to leaving site which will reduce unwanted debris

spreading onto the highway during major earth works. The wheel wash will be used when appropriate between the hours of Monday to Friday 07:30- 18:00 and Saturdays 08:00-13:00 as necessary.

Calibre and their contractors understand the importance and necessity of a permanent cleansing operation on site to reduce the major effects of site transfer onto the surrounding public highways.

Calibre and their contractors promote the use of a jet wash facility at site exits will be used as required. This enables the overall cleansing of a construction vehicle including non-visible areas, in turn reducing the level of transfer to public highways significantly. Once the new highway within site is nearing completion, the incorporation of a road sweep is put into practice to reduce the amount of transfer further as necessary. Similarly, when “muck shift” operations are needed, a road sweep is also always used as necessary.

Calibre and their contractors will do everything realistically within their power to assist in reducing the impact they have on the surrounding developmental area. Assessment of facilities will be made during the construction period to ensure site cleanliness is always maintained.

7.5.2 Storage of Materials

Construction materials such as cement, oils and fuels for site plant etc have the potential to be harmful and cause pollution. All fuel, oil and chemical storage must be sited on an impervious base within a secured bund of adequate storage capacity. The risk of fuel spillage is greatest during refuelling. Mobiles plants would be refuelled either off site or within a designated area on a hard standing surface. All pumps, hoses etc would be regularly checked.

A soil management strategy has been commissioned for the site, this will detail the method and details for storing top and sub soil on site.

7.6 Traffic Management for S278 works

As part of the approved planning scheme, certain highways improvements are agreed between Leicestershire County Council and the Contractor as per contractual agreement policies. To lessen the overall impact upon the existing residents along Shaw Lane, the Contractor will endeavour to undertake these works during off peak calendar months, and holiday periods.

8. Complaints Procedure

It is important that a member of the public or interested parties can make a valid complaint regarding the construction works. Such complaints can provide a valuable feedback mechanism to help reduce potential impacts on sensitive features and will also allow the construction works to be refined and improved.

The point of contact for complaints will be the Site Manager on behalf of the Contractor. Any issues raised can then be discussed and resolution outcome in a timely manner.

9. SITE WASTE MANAGEMENT PLAN (SWMP)

The plan is applicable to all projects of a value of £300,000.

Client: Upton Steel Limited
Shaw Lane
Markfield
Leicestershire
LE67 9PU

Project Title: Upton Steel - Commercial

Location: Land off Shaw Lane, Markfield

Nature of Project: Construction of industrial unit and associated yard

Project Aim: Calibre and their contractors are committed to implement the site waste management plan so that it is effective, accurate and economical and to ensure that the procedures put into place are working and are maintained.

Management: The Site Manager is the SWMP co-ordinator and as such is responsible for ensuring the instruction of works, implementation of and overseeing of the SWMP. The Contracts Manager will monitor the effectiveness and accuracy during the routine site visits. Independent audits will also be completed by our Health & Safety advisors via site inspections.

Instruction & Training: The Site Manager will provide on-site briefing via induction of appropriate separation, handling, recycling, reuse and return methods to be used by all subcontractors. Toolbox talks will be carried out regularly on waste issues by the production or Site Manager.

APPENDIX A – Site compound and Build Route Plan



APPENDIX B – Site Access Route Plan

