Site Address:

Moorside High School,
Cellarhead Road,
Werrington,
Stoke on Trent,
Staffordshire,
ST9 0HP

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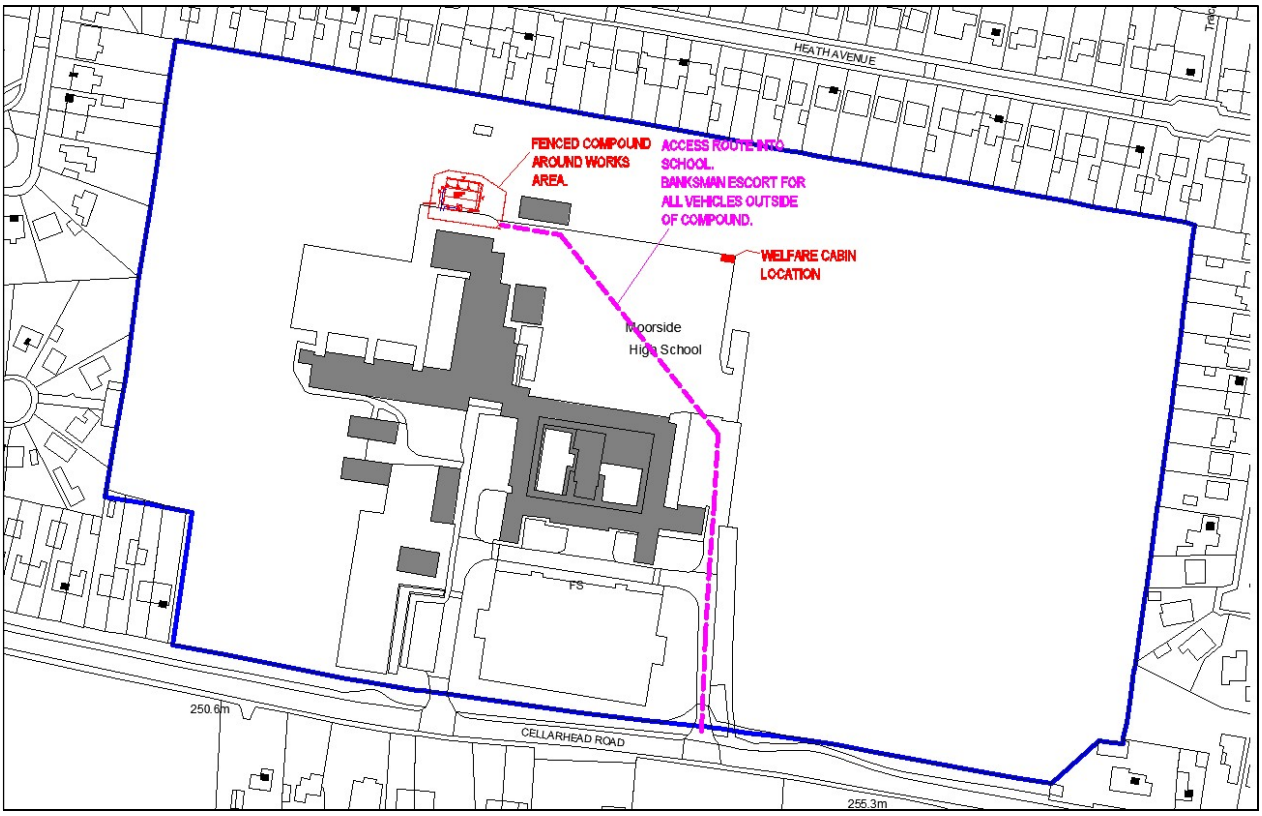
CONSTRUCTION ENVIRONMENTAL MANAGEMENT PLAN (CEMP) for:

Supply and install a general teaching modular building



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2.0 Introduction

The following Construction Environmental Management Plan (CEMP) has been complied to support the planning application submitted by Entrust on behalf of Staffordshire County council.

Drawings, Specification, and details should be viewed in reference to the application.

3.0 Site Description

This site is located in Werrington, Staffordshire, and the land subject of the application currently forms the schools existing supplementary soft landscaped area.

The entire site covers approximately 78,450m², with the footprint of the application being approximately 115m²

The site accommodates a number of semi-mature / mature trees, with a number being considered within scope of works (within 10m of works or access). Those considered with scope have been subject of a formal survey. All existing trees are to be retained, and protected throughout the construction programme.

Boundary treatments are largely fenced to either highways or neighbouring properties.

4.0 The Proposed Development

Supply and install a general teaching modular building

5.0 CEMP Overview

This CEMP identifies the project management structure responsibilities and rolls with regard to managing and reporting on the environmental impact of the construction phase.
The overall environmental objectives that shall be applied to the project are:

- All practicable steps shall be taken to minimise the environmental effects of construction works.
- All activities shall be conducted in accordance with the CEMP, relevant legislation, Codes of Practices, Guidelines, and any local environmental procedures.
- Environmental licenses, permits and consents and other statutory requirements are to be obtained prior to works commencing, and fully complied with.
- All staff (including sub-contractors) shall be aware of the environmental issues relevant to the project through the provision of site specific information on the environmental impacts of construction and the mitigation measures to be applied during inductions and include briefings and tool box talks to any personnel working on the proposed works
- Regularly reviewing of the environmental requirements of the project and ensuring that environmental controls remain adequate throughout the duration of the project.

6.0 Roles and Responsibilities

This section describes the environmental roles and responsibilities of key members of the successful Contractor.

Developers Project Manager

- To lead by example and champion all areas of environmental management.
- Ensure that appropriate resources are in place to effectively implement the CEMP and deliver all legal requirements.
- Review the CEMP throughout the construction process to ensure it remains relevant and effective in identifying and managing environmental risks.
- Report to and agree in writing with the project manager any amendments to the CEMP.
- Ensure that the site is safe and that hazards are identified and secured.
- Undertake or nominate others to undertake audits.
- Monitor performance of the project against statutory requirements, objectives and targets.
- Ensure that all legal requirements are identified and met.
- Ensure that all documentation referencing environmental procedures and policy are relevant and up-to-date and included within the CEMP.
- Manage all necessary documentation to demonstrate compliance with appropriate legislation for the required period.
- Identify necessary levels of environmental competence in staff and ensure necessary training is delivered to personal.
- Manage investigation and resolution of complaints in accordance with the Complaints.
- Ensure correct procedures are followed in case of an environmental incident.

Site Manager

- Ensure that the CEMP and associated documents and control methods are effectively implemented on site on a day to day basis.
- Fully investigate and act on any environmental incidents and report findings to the Project Manager.
- Conduct and document weekly environmental inspections.
- Ensure that environmentally orientated briefings and “Toolbox Talks” are being delivered to the site workforce.
- Implement and maintain environmental controls on site.
- Ensure action is taken on any spills/incidents that occur on site.
- Report any activity that has potential to have an environmental effect immediately to the project manager

Site Staff & Sub-Contractors

- Compliance with direction given in the Site Induction
- Proactively approach environmental issues whilst on site
- Site staff should ensure they are fully aware of the environmental procedures in place and if they have any questions they should be directed towards the Site Manager.
- Ensure all construction activities are carried out in line with the procedures detailed in the CEMP.
- Report any environmental incident to the Site Manager

All site personnel with environmental responsibilities shall be suitably trained and qualified. Where it is indicated that additional specific training requirements are needed, it is the

responsibility of the site management to ensure these needs are met at the earliest possible opportunity.

All appropriate site personnel shall undertake environmental awareness training and if supplementary training is needed over the course of the works it will be provided as necessary.

Detailed information shall be communicated to personnel by means of regular Environmental Briefings and Toolbox Talks covering topics relating to the specific site.

Site inductions will be carried out for all personnel on their first day prior commencing work with fortnightly training thereafter.

7.0 Environmental Management

General mitigation techniques for the various construction activities will include:

Construction Traffic

- All construction traffic will follow specifically designated routes avoiding residential side streets; the appointed contractor shall provide a Construction Traffic Management Plan prior commencement, 10 Speed limits shall be put into place on site for all vehicular movements.
- All vehicles carrying loose material shall be covered.
- Wheel wash facility shall be available throughout the project to include all vehicles leaving site where required.
- All vehicle movement outside of the site compound will be escorted by a banksman.
- Vehicle movement times outside of the site compound will be restricted by pupil movement times.

Highways

- Considering the relatively minor works – it is not anticipated that materials will be deposited onto the highway. However - where necessary, use of road sweepers shall be incorporated to ensure highways remain clear of dust and mud.
- Road edges and pathways shall be monitored and where required swept by hand and damped down as necessary. In addition to this – road edges and pathways will be subject of a photographic record prior to commencement of works.
- The School access roads and driveways will be kept clean of mud / dirt at all times.

Secure Protective Fencing around the development area to include tree protection measures during the construction phase.

Please refer to temporary Heras fencing in accordance with BS5837:2012 Trees in Relation to Design, Demolition and Construction.

The existing site perimeter fence / gates (and internal car park fence lines) will act as the site compound / safety line for construction activities. Should there be a local requirement to breach the existing boundary treatments – a temporary fence line of Heras will be installed to protect the site and visitors.

The successful developer / contractor will identify equipment and plant to be used, including type, size and expected number.

The plant used for this scheme is likely to comprise, Earthworks and Construction plant of appropriate size.

The school do not anticipate any other major developments taking place on the school site.

8.0 Haulage Routes and Vehicles

The sole route for construction vehicles accessing the school site will be via the school existing vehicle entrance. Work traffic will be directed on to the site from Cellarhead Road as per the appended CEMP plan.

9.0 Working hours and delivery times

Restricted movement of construction and delivery vehicles will apply during the following times:

- School term: 08:15hrs until 09:15hrs and 15:00hrs until 15:45hrs
- Non-School term: No restriction.

Banks men will be used at all times outside of the secure fenced areas.
Construction deliveries hours will avoid the busiest times of the day and be limited to the following times as specified during school term:

- 09:15 to 16:00 (Monday to Friday)
- 09:00 to 13:00 (Saturdays).
- No time on Sunday's or Public / Bank holidays.

The School reserve the right to review the above times if this in anyway compromises site users and their safety.

10.0 Secure Site Compound, Welfare and Storage Area

Due to the relatively short construction phase – there will be no requirement for a formal site managers office. Welfare facilities will be provided by the appointed framework contractor on the existing adjacent playground which is within the fenced compound for the construction activities. The structures are likely to be portable cabin for site managers including deliveries and visitors information.

Onsite parking for non-construction vehicles will not be required. Construction staff will arrive on construction / delivery vehicles.

A temporary fence line of Heras will act as the site compound / safety line for construction activities. Should there be a local requirement to breach the existing boundary treatments – a temporary fence line of Heras will be installed to protect the site and visitors.

11.0 Temporary Road Reinstatement Works:

A temporary road will not be required. Access to site will be via the existing vehicle access road.

12.0 Impacts and Managing of Construction Activities

All vehicles and machinery used on site shall be regularly maintained to minimise exhaust emissions and comply with MOT emissions standards.

Vehicles and plant machinery engines shall be switched off when stationery and not in use to minimise emissions and noise.

All vehicles transporting materials to and from site shall be sheeted to prevent dust and debris escape during transit.

Best practise will be adopted by the contractor and shall adhere to BSI Code of Practise for Noise and Vibration Control on Construction and Open Sites.

The successful contractor will be responsible for signage on site, with the site managers and project managers contact details.

The site manager will be responsible for management of the project and has overall responsibility for the environmental performance of the project.

Site staff will receive general environmental awareness training and undertake work in accordance with Method Statement Briefings and toolbox talks including incident response procedures and any site induction.

Onsite parking will be provided for construction operatives within close proximity to the site compound office.

Loading and unloading of plant and materials shall be agreed with the School prior any on-site work commencing.

Wheel washing provision will be provided and will be located on the site to lessen the impact of mud, dust and debris on the surrounding highways and school's access drives.

13.0 Health and Safety

The works are considered a non-notifiable to HSE under CDM 2015 due to works consisting of less than 500 person days, and at no point will there be more than 20 workers. However, CDM 2015 applies to all construction projects, and this will be treated as such with all Key Duty Holders will fulfil their roles.
Summary of roles can be viewed: http://www.hse.gov.uk/construction/cdm/2015/summary.htm

Apendix1: Construction Traffic Management Plan with Site Plan (CEMP)

(Refer to Drawing D06 – CEMP)