Proposed construction of 7 detached properties at:

174 Bury Old Road, Heywood.

Construction Method Statement

March 2019

Ref: B305-CMS-01

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1.1 INTRODUCTION

The construction phase of the project needs to be carefully controlled so as not to have significant impacts on the environment and the local community. The CMS 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.

This Outline Construction Method Statement forms part of the planning application documentation for the project and provides details on the requirements for the management of environmental impacts associated with the construction phase of the project.

The development will be progressed on the basis of a 'self build' project, with individual plots being sold to private self build purchasers. Therefore, at this stage it is difficult to confirm how each individual plots will be serviced in terms of site cabins, arrangements for deliveries, storage of materials, parking etc.

However, as this document will be included in the package of information at the point of sale of each plot, the purchaser, and any building contractors, will be aware of the requirement to comply with the actions set out in the Outline CMS and to demonstrate, to the local authority by submitting additional information relating to each building plot, as to how they intend to identify further environmental impacts and implement the detailed mechanisms for managing the impacts of works on site.

The CMS shall include details of the topics listed below, further information on which is given in the following sections.

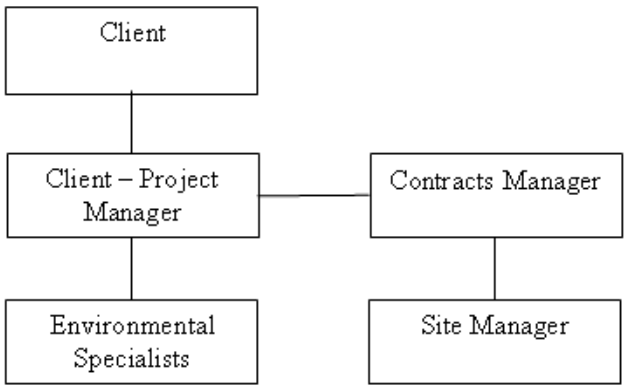
- Project Organization and Responsibilities;
- Project Communication and Co-ordination;
- Training;
- Operational Control;
- Checking and Corrective Action,
- Complaints Procedure

The CMS will be reviewed during the construction process and will include information on the review procedures.

2.1 PROJECT ORGANISATION AND RESPONSIBILITIES

The CMS will clearly define the role and responsibilities of the project team. Figure 2.1 details the management chain with descriptions of each team member being provided in the following sections.

Figure 2.1



2.2 Client Project Manager

The Client Project Manager would have overall responsibility for monitoring the performance of the project against statutory requirements and the agreed objectives and targets. The duties associated with this role include:

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

2.3 Contracts Manager

The Contracts Manager will have responsibility for coordinating and managing all the environmental activities during the construction works. The duties associated with this role include:

- Develop and review the CMS, construction method statements, work instructions and other specialist procedures;
- Identify competence requirements for all staff and ensure delivery of training to the project team;
- Review and improve method statements for environmental aspects prior to works starting;
- Monitor construction activities to ensure that identified an appropriate control measures are effective and ensure compliance with the CMS;

- Act as main point of contact between the regulatory authorities and the project on all issues;
- Provision of advice and liaison with subcontractors to ensure that risks are identified and appropriate controls developed which are identified within method statements;
- Assist with the development and undertaking of training for site staff;
- Liaison with the Client Project Manager

2.4 Site Manager

The Site Manager will be responsible for the following:

- Assist the contract manager in developing and maintaining the CMS together with other documentation;
- Monitor construction works to ensure any necessary control measures are in place and meet the requirements of the CMS.
- Carry out weekly site inspections and complete inspection report identifying any actions required;
- Maintain training register and provide training where necessary;
- Assist in responding to complaints;
- In the event of an environmental incident ensure correct procedures are adhered to.
- Provide information on waste management/reduction procedures to relevant staff
- Implementation are operation of environmental controls on site;
- Respond to any environmental incidents such as spills

2.5 Environmental Specialists

Would be available “as and when required” to support the project team.

3.0 PROJECT COMMUNICATION AND CO-ORDINATION

Periodic meetings will be held between the team members to discuss performance to date, the need for improvements (if any), results of inspections and any complaints received. Upcoming work operations will be reviewed in order to plan any necessary actions to mitigate 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.

4.0 TRAINING

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

5.0 OPERATIONAL CONTROL

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

Method statements that are prepared for the works will be reviewed / approved by the Client Project Manager and where necessary the relevant Environmental Specialist.

6.0 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 CMS. Any environmental incidents are to be reported immediately to the Site Manager. The Contracts Manager will undertake monthly inspections and complete an assessment of the projects performance with regard to the relevant standards/legislation and the contents of the CMS. Following these inspections, the Manager will produce a report detailing the findings which will be provided to the Client Project Manager and reviewed at the monthly project meeting.

7.1 ENVIRONMENTAL & SITE CONTROL MEASURES

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

7.2 Working Hours

Hours of working on site will be from 8am to 5pm, Monday to Friday and 8am to 12pm on Saturdays.
Work will not take place on Sundays or Public Holidays.
These hours will be strictly enforced by the Site management team.

7.2.1 Construction Phase Traffic

In order to mitigate the impact of construction traffic during network peak hours, the following will be implemented by the Site Manager. This plan will focus on:

- Car parking for construction personnel & visitors to be in designated, onsite Car Park hard standing area;
- Restriction of unnecessary vehicle movements during the day
- All Loading and Unloading of Plant & Materials to be on site only, with all materials & plant stored in designated compound areas
- Co-ordination of deliveries not to arrive outside of peak/site opening times (7.45am–5pm Mon-Fri & 8am-12pm Sat)

7.3 Air Quality & Emissions

No specific mitigation, other that adopting best construction practices are proposed with regard to air quality. The Site Manager will ensure that measures are in place to minimise dust during construction activities, during drier periods and earth works operations. Water dampening and extraction will also be used.

7.4 Noise and Vibration

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

7.4.1 Construction Noise

The assessment of construction noise has shown that the adopted criterion is unlikely to be exceeded at the nearby noise-sensitive receptors. The predicted increase in the ambient noise climate would lead to a minor, barely perceptible, impact at all locations assessed. Several safeguards exist to minimise the effects of construction noise and these will apply during the construction of the proposed development infrastructure. The safeguards include:

- The various EC Directives and UK Statutory Instruments that limit noise emissions of a variety of construction plant;
- Guidance set out in BS5228:Part 1:1997, that covers noise control on construction sites; and
- The powers that exist for local authorities under Sections 60 and 61 of the Control of Pollution Act 1974 to control environmental noise and pollution on construction sites.

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

- Any compressors brought on to site should be silenced or sound reduced models
- All pneumatic tools should be fitted with silencers or mufflers;
- Delivers should be programmed to arrive during daytime hours only. Care should be taken when unloading vehicles to minimise disturbance to local residents. Delivery vehicles should be prohibited from waiting within the site with their engines running;
- All plant items should be properly maintained and operated according to the manufactures' recommendations in such a manner as to avoid causing excessive noise. All plant should be sited so that the noise impact at nearby noise-sensitive properties is minimised;
- Problems concerning noise from construction works can sometimes be avoided by taking a considerate and neighbourly approach to relations with surrounding owners. Works should not be undertaken outside the 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 worst-case situation no further mitigation measures are considered necessary.

7.5 Control of Watercourses, Groundwater

7.5.1 Waste Management and Pollution

Waste from construction processes on site shall be strictly monitored. Waste materials will be placed in separate skips for recycling. Any inert soils and clay, which cannot be used on site will be transported to suitable landfill sites.
Precautions will be taken prior to and during construction to ensure the protection of watercourses and groundwater against pollution. The measures would be informed by the site investigation works discussed above and also by CIRIA Report 532 'Control of Water Pollution from Construction Sites' and Environment Agency Pollution Prevention Guidelines, principally PPG6 – 'Working at Construction and Demolition Sites'.

7.5.2 Wheel Wash

Site vehicles will have wheels washed down prior to leaving the site so as to reduce unwanted debris spreading onto the highway during major earth works. A street sweeper to clean the immediate road network will be provide on a daily basis during muddy operations and at the request of the Local Authority outside of those periods as deemed necessary by the highways department.

7.5.3 Storage of Materials

Construction materials are to be stored in designated, fenced areas of the site. There will also be lockable container stores on site to house plant and harmful materials. All fuel, oil and chemical storage will be sited on an impervious base within a secured bund of adequate storage capacity. Mobile plant would be refueled either off site or within a designated area on hard standing.

7.5.4 Site Security

Harras Fencing is to be installed around the boundary of the site, with a gated access to the site entrance.
The site compound, material stores and site parking areas will also be fenced.
If during the construction phase a permanent site security presence is needed, outside site working hours, then this will be provided.

8.0 COMPLAINTS PROCEDURE

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

A monitoring system will be implemented to ensure that any complaints are addressed and a satisfactory outcome achieved for all parties.

9.0 WASTE MANAGEMENT

9.1 Introduction

Surplus or waste materials may arise from either materials imported to site or from those generated on site.
However, there are other considerations to waste management such as waste reduction, segregation of waste, disposal of waste, financial impacts of waste disposal and recording, monitoring, education and reviewing. This plan outlines the procedures that have been put in to place and demonstrate how they benefit the environment, how we can measure the effects and how these procedures and practices are sustainable. Relevant waste and resource management procedures will be communicated to all operatives during the site induction.

9.2 Segregation

A specific area shall be laid out and labelled to facilitate the separation of materials for potential recycling, salvage, reuse and return. Recycling and waste receptacles are to be kept clean and should be clearly marked in order to avoid contamination of materials. The labelling system shall be clear and simple. If the relevant receptacles are clearly identified this will aid the bulk of the workforce in depositing the correct materials into the appropriate receptacle.

9.3 Site Security

Both Client and Principal Contractor must take reasonable steps to ensure site security measures are in place to prevent the illegal disposal of waste at the site.
Training & Communication
The Principal Contractor will provide on-site instruction of appropriate separation, handling, recycling, reuse and return methods to be used by all parties at all appropriate stages of the Project. Toolbox talks will be carried out every month on waste issues and all subcontractors will be expected to attend. The SWMP will also be mentioned in the site induction process. This will ensure that everyone feels they are included and that their participation is meaningful.

9.4 Monitoring

A log will be maintained of all materials that come on to site, and details will be obtained from the waste disposal company of the exact amount of waste materials removed from site. Details will also be provided outlining the recovery/disposal actions for the specific waste streams. Waste receptacles will be monitored by the Principal Contractor to ensure that contamination has not occurred, results will be recorded. The Principal Contractor will continually review the type of surplus materials being produced and change the site set up to maximise reuse or recycling and the use of landfill will be the last option. The Principal Contractor will also visit any waste transfer facility to ensure that we are effectively discharging ‘Duty of Care’. They will also periodically follow waste transfer vehicles to their final point of disposal to monitor compliance. Details of these visits will be recorded for audit purposes.

Forecasting of Waste Volumes will be undertaken in line with Paragraph 6 of the SWMP Regulations.

Planning the reduction, reuse and recycling of waste

Indicative methods of improving resource efficiency in the construction works are outlined in the table below. Wherever possible it is proposed to comply with best practice techniques, only disposing through landfill as a last resort.

Waste type	Waste Materials	Trade Contractor Package	BEST PRACTICE → STANDARD PRACTICE			
			Waste Minimisation Opportunities	On Site Reuse/Recycling/Recovery	Off Site Reuse/Recycling/Recovery	Disposal
Inert	Concrete	Construction	Retention of concrete on site where possible. Only order what is required.	Use as secondary aggregate on site.	Segregate for reprocessing and reuse as recycled secondary aggregate.	Landfill and cover
	Rubble (hard core)	Construction	Only order what is required.	Opportunities to reuse 'cut' material as 'fill' in proposed noise bund.	Segregate for reprocessing and reuse as recycled secondary aggregate.	Landfill and cover
Non-hazardous	Soils/ Green waste/ vegetation	Construction		Opportunities to reuse 'cut' material as 'fill' in proposed noise bund.		Landfill and cover
	Mixed waste	Construction	Use of standard sizes. Arrange take back of unused materials with the supplier.	N/A	Segregate materials to maximise potential for recycling.	Landfill/ incineration
	Metal	Construction	Made to measure, correct ordering, just in time delivery, store correctly. Arrange take back of unused materials with the supplier.		Segregate waste and send to metal recycler.	Landfill
	Timber	Construction	Avoid over-ordering. Provision of suitable storage to avoid damage. Arrange take back of unused materials with the supplier.		Re-use / Recycle if feasible.	Landfill/ incineration
	Plasterboard	Construction	Avoid over-ordering. Provision of suitable storage to avoid damage. Procure to design specifications. Arrange take back of unused materials with the supplier.	Cannot reuse.	Recycle if feasible.	Landfill
	Packaging	Construction	Ask suppliers to send product with minimal packaging / reusable containers, buy bulk not individually wrapped products. Return pallet to supplier or use plastic pallets.	N/A	Segregate materials to maximise potential for recycling.	Landfill/ incineration
	Cable & wiring	Construction	Avoid over-ordering. Arrange take back of unused materials with the suppliers.	Reuse on site if appropriate.	Segregate and recycle to reclaim plastics and metals.	Landfill

10.0 SUMMARY

This CMS incorporates the initial items outlined by the Local Planning and Statutory Authorities set out during the planning process.
The CMS is an ongoing process and will be reviewed every six months during the construction process and will include information on the review procedures.

11.0 CLOSURE

This report had been prepared with all reasonable skill, care and diligence, and taking account of the manpower and resources devoted to it by agreement with the client. Information reported herein is based on the interpretation of data collected and have been accepted in good faith as being accurate and valid.