Construction Environmental Management Plan (CEMP)

Land West of Main Street, Stathern (19/01302/FUL)

1. Introduction

This document is submitted pursuant to Condition 17 of the Planning Consent reference number 19/01302/FUL for the above development which states that:

17. No development shall take place until a site specific Construction Environmental Management Plan has been submitted to and been approved in writing by the Local Planning Authority. The plan must demonstrate the adoption and use of the best practicable means to reduce the effects of noise, vibration, dust and site lighting. The plan should include, but not be limited to:

i. Procedures for maintaining good public relations including complaint management, public consultation and liaison

ii. Arrangements for liaison with the Council's Environmental Health Team

iii. All works and ancillary operations which are audible at the site boundary, or at such other place as may be agreed with the Local Planning Authority, shall be carried out only between the following hours: a. 07:30 Hours and 18:00 Hours on Mondays to Fridays and

b. 08:00 and 13:00 Hours on Saturdays and

c. at no time on Sundays and Bank Holidays

iv. Deliveries to and removal of plant, equipment, machinery and waste from the site must only take place within the permitted hours detailed above.

v. Mitigation measures as defined in BS 5228: Parts 1 and 2: 2009 Noise and Vibration Control on Construction and Open Sites shall be used to minimise noise and vibration disturbance from construction works.

vi. Procedures for emergency deviation of the agreed working hours.

vii. Measures for controlling the use of site lighting whether required for safe working or for security purposes.

Thereafter the requirements of the approved Construction Environmental Management Plan shall be implemented

Reason: To secure the satisfactory development of the site and comply with Policy D1 Adopted Melton Local Plan.

This document sets out the related activities being undertaken and provides details of the relevant measures and procedures being undertaken to ensure that construction activity follows best practice.

2. Detailed Response

A. Public Relations

Details of the Site Manager and Assistant Site Manager will be provided once they are appointed in advance of works starting on site. Contact details will be provided at the site entrance bordering Main Street. Until such time please contact David Wills (Infrastructure Manager) on 01530 261444 or dwills@davidsonsgroup.co.uk in respect of any issues regarding the site.

Leaflets will be distributed to households within the village prior to the commencement of development to inform the local community of the works commencing and provide the relevant contact information.

B. Arrangements for liaison with the Council's Environmental Health Team

The Council's Environmental Health Team will be provided with the Site Manager and Assistant Site Manager's contact details once they have been appointed. The Environmental Health Team will be invited to visit the site once development has commenced.

C. Hours of work on site, including deliveries and removal of materials;

Response: Construction Hours: Monday to Friday 7.30 am – 6 pm/ Saturday 8.00 am – 1 pm, No Construction work on Sundays or Bank Holidays.

Site Opening Times: Monday to Friday 7.00 am – 6.30 pm/ Saturday 7.30 am – 1.30 pm, Not open on Sundays or Bank Holidays.

Delivery Times and removal of material times will be between 7.30 am – 5.45 pm Monday to Friday/ Saturday 8.00 am – 12.45 pm, No deliveries on Sundays or Bank Holidays. No waiting or parking will be allowed along Mill Hill or along Main Street. Suppliers of materials and services to site will be provided with delivery route details and advised of the site opening hours via works orders issued from Davidsons.

Procedures for emergency deviation of the agreed working hours: Should an emergency deviation from the agreed working hours be required, Davidsons will inform Melton Borough Council of the deviation in hours prior to the work taking place.

D. Mitigation measures as defined in BS 5228: Parts 1 and 2: 2009 Noise and Vibration Control on Construction and Open Sites shall be used to minimise noise and vibration disturbance from construction works.

Noise will be appropriately considered during the construction period. Davidsons will implement measures to control noise including using modern, quiet and well-maintained plant and equipment, and shutting down plant when not in use to minimise noise disturbance. Plant and Equipment where it is stationary will be positioned as far as possible away from sensitive receptors.

Other than potentially at the site set up stage (may need to use generators) we will endeavour to use mains electric supply which will ensure a quitter noise environment. Deliveries will arrive during normal site hours and engines are to be switched off whilst unloading.

(The following measures are TBC with additional technical information).

Should piling be necessary, the work will only take place within the stipulated working hours: Limited to 8am – 4pm Monday to Friday, no works at weekends or bank holidays. Piling works are to cease immediately if 15mms is reached.

BS5228-2:2009+A1:2014 provides a number of vibration mitigation methods which include; should limits be exceeded and can be practicably implemented:

• If required provision of cut-off trenches could be considered to interrupt the direct transmission path of vibrations between source and receiver. For maximum effect the trench should be located as close to the source or receiver as possible.

• Reduction of energy input per blow relating to hammer-driven piles. Through using this method, combined with vibration monitoring, it might enable driving piles close to buildings with shallow foundations.

Noise and vibration monitoring will be undertaken on the site boundary throughout the duration of any piling works (if piling is required). Locations and duration will be discussed with the LPA. Vibration monitoring reports would be undertaken during piling works.

Contact with Environmental Health Officer will be maintained throughout the development to discuss and review the above mitigation measures as necessary.

E. Measures for controlling the use of site lighting whether required for safe working or for security purposes.

Response: The compound will be provided with lighting columns on the perimeter (with directional cowls) to ensure that the site is appropriately lit when required (particularly in the winter months when the site is operational). The site compound would not be lit during the evening periods once the site closes for the day, except in exceptional circumstances and with consent from Melton Borough Council.

F. Loading and unloading of plant and materials;

Response: Areas will be provided adjacent to the site compound. This will be sized to allow sufficient room for the turning circles of the largest delivery vehicles.

Materials will generally be delivered close to the working areas to minimise the need for double handing which can lead to damage, exposure to the elements and excessive wastage. A ‘just in time’ approach will be adopted to the scheduling of material deliveries for each house plot, to avoid the site becoming inundated with excess materials.

Delivery vehicles will incorporate mechanical handling equipment such as a tail lift, Hiab crane or a Moffett Mounty forklift truck to provide a safe means of unloading thereby avoiding the need for manual handling of heavy components.

The site will also be provided with its own tele-hander to assist with unloading duties, the stacking of materials inside the compound and the onwards distribution of the materials around the housing development. The telehandler will also be used for bringing the waste skips (segregated into the

different waste streams), back to the central waste management area in the compound for recycling.

G. Storage of oils, fuels, chemicals, plant and materials used in constructing the development;

Response: fuel oil will be stored inside lockable, double skinned and bunded fuel tanks which also incorporates the associated dispensing equipment (pump, hose and nozzle), each storage tank is also provided with its own spill kit for emergency use. The main storage tank is located inside the site compound, smaller fuel bowsers will be available to replenish the larger items of earthmoving equipment on site and returned to the compound when not in use.

Drip trays will be provided under all static items of equipment such as generators to contain any spillages. The volume of any oils (engine / hydraulic / transmission) stored on site will be minimal, as service engineers will bring their own supply of fluids when undertaken service visits for each item of equipment and takeaway the old fluids for disposal offsite whenever they leave site.

A lockable COSHH cupboard will be available to store all hazardous materials, the quantities of these products stored on site will be minimised wherever possible to reduce the risk. All plant and equipment will be returned to the compound when not in use, smaller items of plant, equipment and small tools will be stored inside storage containers.

The regular monthly health & safety audits will focus on the environmental compliance of the site team with regards to the safe storage, distribution, use, disposal and the emergency arrangements for the hazardous materials used on the project.

Bulk deliveries of bricks and blocks will be received in the compound and stacked ready for distribution around the development by the telehandler, packs of materials will be lifted directly onto the scaffold loading platform for each dwelling for distribution to the place of work.

At least two freestanding mortar silo's will be located in the compound, the dry blended mortar contained in the silo is mixed with water at the outlet point and transferred into mortar tubs for distribution to each dwelling, thereby eliminating any dust particles. The silo will be replenished by a bulk tanker delivery which minimises the potential for airborne transmission.

H. The erection and maintenance of security hoardings, including decorative displays and facilities for public viewing, where appropriate;

The compound area will be enclosed by modular metal hoarding panels which are pre-finished in Davidson's red paint. Both vehicular and pedestrian access gates will be provided onto the compound to provide a safe means of access and egress. No immediate facilities for public viewing are envisaged, although once the main housing development works get underway, show homes will be open to the public. Should it be safe opportunities to engage with the local community such as visits for local school children will be encouraged.

Typical Site Hoarding to Compound

School Visit to New Lubbesthorpe Development

I. Measures to control the emission of dust and dirt during construction;

Response: Topsoil will only be removed from the areas of the site that are under immediate development in each phase, it will be retained elsewhere to minimise the potential for dust to be disturbed by the wind and blown across the site. Similarly, the retention of the vegetation will also reduce the potential for the surface water run off to accumulate a high percentage of suspended solids that could enter the local watercourses.

Bulk earthwork operations will generally be undertaken over the late spring, summer and early autumn (traditionally known as the muck shifting season), although the precise timing is always weather dependant each year. This is to control the moisture content of the fill materials, as achieving an effective compaction density, is dependent on maintaining the optimum moisture content for each different classification of soil type.

Mobile water bowsers will be used to add water to each layer of fill material if required and to undertake water suppression duties on the temporary compound access. Whenever possible, the bowsers will draw water from the balancing pond constructed during the Stage 1 Enabling Works to minimise the need to use clean potable water for this purpose.

The permanent roads will be constructed up to basecourse level at an early stage, for this distribution of equipment and materials around the site. These roads will provide a solid sealed surface to minimise the amount of mud collected by the tyres, and also enable the road to be cleaned effectively by the road sweeper, the frequency of these visits will be adjusted to suit the ongoing site activities and the prevailing weather conditions.

The resident site management team (Site Manager and an Assistant Site Manager) on the development will oversee these measures daily.

J. A scheme for recycling/disposing of waste resulting from site preparation and construction works;

Response: During the highway works surplus aggregates and road planing's will be sent to a licenced waste recycling centre for reuse, suitable materials will be incorporated within the new works wherever possible providing they meet the relevant specification for highway works. Where sections

of hedgerows need to be removed, the material will be shredded and reused as mulch in the landscape buffer areas.

During the site preparation phase, the site will require cut and fill excavation to be undertaken to create the finished profile of each main block of dwellings and the road corridors. Any excess and or unsuitable excavated materials will be progressively incorporated into the landscaping to avoid the need to take any material offsite for disposal.

During the construction phase, all waste will be returned to the site compound. This will be segregated into the different waste streams. A specialist waste management company will be used for the disposal of the waste. The specialist will provide reports on the quantities of the different categories of waste removed and the percentages of each type that have been recycled each monthly for continual improvement purposes.

As noted in our responses great emphasis is placed on managing the call off, unloading, storage, distribution and use of the incoming materials to minimise wastage, together with the adoption of modular design solutions and components such as the prefabricated chimney stacks used on our developments to minimise the potential to generate excessive quantities of waste.

K. Measures for the protection of the natural environment;

Response: the design and provision of our site establishment arrangements and construction methodology have been structured in such a manner to protect the natural environment. Furthermore, the extensive enabling works we are proposing to undertake in advance of the main construction work starting are also for the purpose of protecting the natural environment as identified in this Construction Method Statement.

For further details of the pollution control measures to be implemented, please refer to section (2.G) of this document.

The early construction of the permanent balancing pond is an example of the proactive approaches we will undertake to protect the natural environment and local community from uncontrolled water runoff from the construction areas. Furthermore, topsoil will only be removed from the areas of the site that are under immediate development which will help manage surface water.

Works will also be timed to minimise the impact on the natural environment and ecology. Any hedgerow removal inside the bird nesting season will be supervised by a licenced ecologist.

Bat roost boxes and swift boxes are to be incorporated within the site. Please refer to the biodiversity management plan.

Conclusion

The proposed measures, arrangements and practices described within this Construction Method Statement should ensure that the site is well managed and operated professionally daily. Accordingly, Davidsons Developments Ltd request that Condition 17 is hereby discharged.