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1. Introduction

- 1.1 Full planning permission for residential development of 55 dwellings land off Barton, s Road Havant was granted by the Planning Inspectorate earlier this year.
- 1.2 Planning condition 6 requires the submission of a Construction Method Statement and Traffic Management Plan with a programme of works, in advance of commencement of development on the site, to be approved by the Local Planning Authority.
- 1.3 All Contractors and Sub-Contractors working on site are required to comply with the measures specified in this Management Plan. Failure to comply with these measures may result in stopping of construction work on site.

2. Working Hours

- 2.1 To minimise disturbance to local residents all construction activities will take place between:
- | | |
|---------------------------------|----------------------|
| • Monday to Saturday | 0800 hrs to 1800 hrs |
| • Sundays, Public/bank holidays | No working |
- 2.2 There will be no continuous activities outside of these hours except in an emergency which will be agreed in advance with Local Authority.

3. Site Organisation

- 3.1 The location of the site compound for all contractors working at the site is shown on the attached layout plan. It will remain in its current form and layout for the duration of the proposed development works until such time as, out of necessity, a new location is required to facilitate completion of the development. It will continue to be kept secure at all times and will be maintained in as clean and orderly fashion as possible.
- 3.2 The site will be registered with the Considerate Constructors Scheme. The Considerate Constructors Scheme assess each registered site against a five point code of practice:
 - 1- Enhancing the appearance
 - 2- Respecting the community
 - 3- Protecting the environment
 - 4- Securing everyone's safety
 - 5- Caring for the workforce
- 3.3 The site compound will be lit outside working hours by halogen lights that will be set in timers and PIR for intruder purposes only. The lights will be purely for the purposes of site safety and security.
- 3.4 Lighting, if necessary, will be located and directed with the cowls where necessary to prevent intrusive light spillage.

- 3.5 As far as is reasonably practical the visual intrusion of the construction site on nearby residents will be contained and limited.
- 3.6 Any security cameras installed will be located and directed so that they do not intrude into adjacent residential properties.
- 3.7 Temporary office buildings for supervisory staff, welfare facilities and secure storage units will be sited as shown on the attached plan.
- 3.8 Public viewing will be possible through panels in the site gates at the entry point from Charlton Mead, which will provide an aperture for observing ongoing works.

4. Site parking for operatives and visitors

- 4.1 The attached plan shows the proposed location and extent of parking that will be maintained as a minimum as the site progresses. The amount of space available for parking and a site compound will reduce as the development proceeds.
- 4.2 There will not, at any time, be any parking on areas which intrude into the tree protection zones or any unsafe locations.

5. Loading / unloading of plant and materials and storage

- 5.1 The location of materials storage is shown on the attached plan.
- 5.2 Unloading of deliveries will take place as close to the materials storage area as possible. The loading of waste material being removed from the site will be loaded similarly in this area, adjacent or within the compound area.
- 5.3 On site storage of plant and materials is identified. It is important to note that the location of the compound and its siting have been chosen to maximise the separation from residential occupiers in all directions and avoid boundaries (and therefore tree protection areas).

6. Noise and vibration

- 6.1 On site activities are expected to represent typical construction measures and operations on this site. To aid / mitigate the perception of noise and disturbance from regular activities site fencing is proposed as per other details provided. The provision in most places of an early installation of a domestic boundary type, in preference to site hoarding is expected to reduce the sensation of living next to a building site.
- 6.2 The hours of operation proposed are also not unusual and prevent unsocial working. As noted the scheme will be registered with the Considerate Constructors Scheme.
- 6.3 All contractors will be required to control and limit noise and vibration levels so that current legislative standards are not exceeded.

- 6.4 All materials will be handled, stored and used in a manner that minimises noise.
- 6.5 Plant and equipment utilised during construction will conform to current legislation on noise and vibration levels and will be examined on a regular basis for defects prior to the start of works. Under no circumstances will defective plant be used.
- 6.6 Where practical equipment will be shut down when not in use. Engine compartments will be closed when equipment in use.
- 6.7 Semi-static equipment will be sited as far away as reasonably possible from residential dwellings adjacent to the development site.
- 6.8 All complaints received about noise or vibration will be investigated immediately and where necessary, work practices will be modified.

7. Protective Fencing

- 7.1 Protective fencing, other than hedgerow protection fencing referred to in the conditions, will be erected around all construction areas prior to site work commencing and subsequently will be maintained in good condition.
- 7.2 Boundaries to the site will either be provided with treatments as set out in the details provided or will be protected by the erection of hoarding and/or heras fencing. Features will be retained throughout the construction process to ensure the site is maintained in a secure state.
- 7.3 The fencing will be removed and/or relocated to a new position only when safe to do so.

8. Traffic Management and Public Access

- 8.1 All construction traffic will approach and leave the site via the existing entrance on Bartons Road.
- 8.2 All suppliers will be notified on their orders regarding delivery times and peak hours will be avoided. Other material deliveries will take place over relatively long periods during the contract and these will be scheduled to avoid peak times where possible.
- 8.3 Linden Homes will seek to promote local labour increasing the probability that public services will be used. In other instances the main contractors will often use mini buses and tend to have a pick up and drop off zone during the working day.
- 8.4 Current car parking for construction workers will be retained adjacent to the Contractors compound as shown on the accompanying drawing.
- 8.5 Local residents will be provided with the Site Manager's contact details to aid in monitoring the situation and provide a rapid notification and resolution of any conflicts which do arise.

9. Movement, Storage and Treatment of Bulk Materials and Spoil

- 9.1 Construction materials and spoil will be stored in accordance with a health and safety plan.
- 9.2 Spoil generated from the development proposals will be re-used on site wherever possible.
- 9.3 Subsoil and topsoil will be separated with topsoil stored on site and redistributed correctly for use after construction; subsoil will be removed off-site as appropriate. Subsoil which is retained will not be compacted, disturbed or drained which could cause problems with its subsequent use.

10. Dust and Odour Control

- 10.1 Best Practicable Means will be used to control dust and airborne pollutants at the site including the occurrence of smoke and fume emissions.
- 10.2 Areas of hard standing associated with development will be constructed as soon as possible.
- 10.3 All plant and equipment will be checked prior to use to ensure that it is in good working order and repair and conforms to manufactures or statutory emissions standards. Any defective items of plant shall not be used.
- 10.4 Processing plant and vehicles carrying loose aggregate and workings will be covered or shielded to reduce/avoid dust emissions.
- 10.5 In periods of dry weather and where practicable, all soil stockpiles and surfaces will be dampened down with water to reduce dust emissions.
- 10.6 Where practicable, material stockpiles will be located away from the site boundary.
- 10.7 All earthworks will be sealed or re-planted as early as practicable to minimise dust.
- 10.8 No materials will be burnt on site.
- 10.9 Proper consideration will be given to wind conditions and the location of sensitive receptors such as those dwellings adjacent to the boundaries when activities likely to emit dust, aerosols, fumes or odours are being carried out.
- 10.10 Site toilets are shown on the attached plan and are to be located well away from sensitive receptors.
- 10.11 A speed limit of 10mph will be imposed on all construction vehicles at the site.
- 10.12 Visual inspections of areas contiguous to the development site, with particular reference to sensitive locations will be undertaken as a routine.

Dust deposition checks will be used to inform any remedial measures that need to be employed at the site.

- 10.13 Any identified recurring generators of dust will be replaced or improved.
- 10.14 Soil stock piles and the exposed excavation may generate silt run off which may harm animals and the existing water habitat. Discharge points will be identified and water run off settlement system used. To help reduce silt the following measures may be taken:
- Minimise top soil stripping on site and only in keeping to the construction areas
 - Use of silt fences or cut off ditches

11.0 Mud on Roads

11.1 There is potential during certain phases of the construction for vehicle washing and road sweeping to be required. Linden Homes will therefore enforce strict measures, to avoid the environmental nuisance of mud on roads.

11.2 These measures will include, but are not limited to:

- Use of an approved mechanical road sweeper to clean the site of any mud or debris deposited by site vehicles within the vicinity of the site. The road sweeper is to be available whenever needed and will be properly used and maintained.
- Provision of wheel washing facilities where a member of staff will spray all wheels prior to exiting site.
- The effluent should be contained for proper treatment or disposal.
- Catch pits could also be installed with aggregate and concrete base to catch any silt from the wheel wash process and then the water can drain away naturally from the pit.
- Adequate sheeting of vehicles carrying waste materials.
- Measures will be taken to ensure that mud and detritus is not swept into gullies.

12 Storage of Fuels and Oils and other Hazardous Materials

12.1 Special care will be taken during deliveries, particularly when fuels and hazardous materials are involved. Deliveries will be supervised at all times, tanks and containers will be labelled with the nature and volume of their contents and the content levels will be checked prior to delivery to prevent overfilling.

12.2 Loading and unloading delivery areas will be clearly marked and isolated from the surface water drainage system and/or bare ground. Raised kerb surrounds may be needed, with drainage to the foul sewer when possible. Delivery pipes will be fitted with automatic cut-off valves to prevent overfilling.

12.3 Vandalism and theft are frequent causes of pollution. Lockable valves are fitted on all storage tanks/containers, fences will remain secured and gates kept locked.

Where possible, materials will be stored under cover and potential pollutants will be transferred into safe storage without delay.

12.4 A notice will remain displayed stating that valves and trigger guns must be locked when not in use.

12.5 Any oil storage tank and oil stored in drums will continue to be sited on an impervious base within an oil-tight bund with no drainage outlet. All fill pipes, draw pipes and sight gauges will continue to be enclosed within the bund and the tank vent pipe will be directed downwards into it. The base and bund walls will as at present be impermeable to the material stored and be 110% of the capacity of the largest tank in the bund.

12.6 Storage of any oil tanks/drums at or above roof level will be avoided.

12.7 Any oil pipelines to be installed at the site will be situated in an accessible position above the ground where possible.

12.8 Leaking or empty oil drums will be removed from the site immediately and disposed of via a licensed waste disposal contractor.

12.9 Bowsers will be stored within the site security compound when not in use.

12.10 Before any tank is moved or perforated at the end of a contract, all contents and residues will be emptied by a competent operator for safe disposal.

12.11 Mobile Plant will be refuelled in a designated area, on an impermeable surface, away from any drains or bare ground. A spill kit will be kept in close proximity. Vehicles will never be left unattended during refuelling and valves will not be jammed open. Hoses and valves will be checked regularly for signs of wear and these will be turned off and securely locked when not in use. Diesel pumps and similar equipment will remain on drip trays to collect minor spillages. The drip trays will be checked regularly and any accumulated oil removed for disposal.

12.12 Correct facilities are provided for storage and disposal of paint and liquid wastes.

12.13 Equipment and plant such as tanks, bunds, pipe work and drains will be checked and maintained on a regular basis. Any corrective work necessary will be carried out as soon as possible.

12.14 The use of pesticides and herbicides will follow guidance outlined in the Environment Agency's Pollution Prevention Guidelines (PPGs).

12.15 A register of hazardous material with associated handling and disposal methods (i.e. beyond the COSHH mandatory register for health and safety) will be kept on site at all times.

12.16 The quantity of hazardous materials on-site will be minimised. All hazardous materials will be stored on site in accordance with a health and safety plan.

13. Waste recycling and disposal

13.1 Where possible waste materials will, in the following order of preference, be reduced, re-used, recycled and disposed of.

13.2 Attempts will be made to avoid the over-specification of materials, thereby reducing wastage. Pre-fabrication, which minimises material use and waste through controlled off-site processes and where there is a higher level of quality control in a factory environment, also reduces failure and increases component durability/lifetime with associated environmental benefits, will be sought wherever possible.

13.3 Waste materials will be segregated on site where possible.

13.4 Separate skips will be used so that wastes can be segregated for recycling and to prevent cross contamination. Used containers (especially if they contain hazardous materials/liquids) may need special handling and the manufacturer's instructions will be followed.

13.5 Skips will be covered to prevent dust and litter being blown about. They will be regularly inspected and replaced when full.

13.6 All waste will be stored in designated areas, isolated from surface drains and bunded to contain any spillages. Rubbish compactors will be covered to prevent the build up of contaminated rain water and drained to a tank/the foul sewer to prevent pollution liquid entering the ground/surface water drains.

13.7 No waste will be burnt on site.

13.8 If plant/equipment maintenance is carried out on site, used oil will be stored in a bunded area for collection. Oil and fuel filters will be stored in a designated bin in a bunded area for separate collection and recycling.

13.9 In order to comply with the Duty of Care regulations the contractor(s) appointed to remove the waste from the site will be registered with the Environmental Agency. A written description of the waste will be given to the contractor(s). Where there is hazardous waste for disposal, a more rigorous consignment note system will be followed.

13.10 All contractors will comply with all relevant waste regulations including: carrier's registration of waste contractors, disposal of licensed facilities, Duty of Care waste transfer notes, waste exemption registration (if applicable) and waste consignment notes (if applicable).

13.11 Where possible, waste materials will be disposed of at sites closest to the development site in order to minimise transport impacts.

13.12 If dewatering is required within any part of the development site, pumped groundwater should be disposed of appropriately according to Environment Agency pollution prevention guidelines. In this way it will ensure that surface water bodies and associated ecosystems are protected as there is a hydraulic connectivity between these bodies and the groundwater.

14. Hedgerow and Tree Protection

14.1 Any remedial or protective work to hedgerows on site and adjacent to construction activity will be carried out by suitably trained and qualified personnel using recognised methods in accordance with the latest guidance.

14.2 In accordance with the provisions of the planning permission regarding "retained trees", before any equipment, machinery or materials are brought onto site for the purpose of the development all such trees will be enclosed at the outer edge of the overhand of their branches with protective fencing. Thereafter, the remaining provisions of the condition will be followed as specified. This equally applies to those hedgerows within the development site which are to be similarly retained in accordance with the measure of agreement reached under the terms of any reserved matter approval.

15. Dealing with Emergencies

15.1 A site incident response/emergency plan will define the procedures for dealing with events such as spillages of oil/chemicals and leaking containers. All staff and contractors working on site will be made aware of the site incident response/emergency plan and will know how to deal with an incident. Training exercises will be undertaken as necessary.

15.2 An up to date drainage plan will be maintained and all contractors will be made familiar with the drainage systems, any potential hazards (in particular, how to deal with fire-water runoff) and action to take in an emergency. The plan and other necessary information will be displayed in the site office.

15.3 A variety of products/materials will be kept on site for use in the event of a spillage/leakage (e.g. Sand and/or earth bags, proprietary absorbents in the form of granules, sheets pillows or loose powder, leak sealing devices such as a pad, clamp or putty and drain seals). The materials will be well maintained, strategically placed at accessible locations and clearly marked with durable notices explaining their use.

15.4 In the event of a major spillage the Environment Agency would be notified.

15.5 Any ground contaminated by spillage/leakage of fuel oils/hydraulic oils during construction will be excavated and removed to an appropriately licensed waste disposal site.

15.6 Any items used for the clear up of spillage will be disposed of in a similarly appropriate manner.

15.7 Health and safety controls will be established in accordance with relevant health and safety procedures including arrangements for the possibility that unforeseen contamination/pollution may be encountered.

15.8 Personal protective equipment (PPE) will be worn by all construction personnel including, where necessary, hard hats, high visibility clothing and protective foot wear.

16. Communication with Local Authority and Local Residents

16.1 Following commencement the LPA and local residents will be kept updated, informed about how to contact the Site Manager when necessary along with details including a contact name, telephone number and address for information or complaint purposes that will be displayed.

17. General

17.1 All contractors will be made aware of their responsibilities and informed of the ways in which their actions can cause pollution and generate waste and how these can be prevented. They will also be encouraged not to use excess resources such as water and energy.

17.2 Construction plant/equipment and vehicles will be maintained in order to minimise emissions and maximise fuel efficiency. Hazard warnings will be attached to plant/equipment as necessary.

17.3 Construction work will be carried out so that, as far as reasonably practicable, disturbance to the environment is contained within defined limits and site restoration proposals are implemented in a timely fashion.

17.4 The measures set out in this Plan will be adhered to except where there is a demonstrable conflict with safety issues.