

Proposed Residential Development:

Castle Avenue, Havant

The Construction

Environmental

Management Plan

Rev B - August 2020

Persimmon Homes South Coast
100 Wickham Road
Fareham
Hants
PO16 7HT

1. Introduction

1.1 This CEMP is submitted in support of a planning for 69 dwellings at Castle Ave, Havant. The development is expected to take in the region of 2 years from commencement to completion.

1.2 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 construction work on site ceasing.

1.3 All development is required to be carried out in accordance with the Company's Health & Safety Policy, Procedures and Construction Manual.

2. Site Organisation

2.1 To minimise disturbance to local residents there will be no noise generating construction activities outside the following hours other than in an emergency or unless otherwise agreed, in writing, by the Local Planning Authority:

Mondays to Friday 0800hrs and 1800hrs Saturday 0800hrs and 1300hrs

2.2 There will be no noise generating continuous 24 hour activities except in an emergency or on any Sunday or Bank Holiday working, unless circumstances dictate otherwise.

2.3 The indicative locations of the site compound, material store and contractors parking area are shown on the annexed plans at Appendix A. The compound will be kept secure at all times and will be maintained in as clean and orderly fashion as possible.

2.4 The compound and site storage will be secured by a heavy duty, high fence in order to prevent any unauthorised access. Any surplus materials that can not be accommodated on site will be stored at a nearby development site.

2.5 The site compound will be lit outside working hours by 4 halogen lights that will be set on timers and PIR for intruder purposes only. The lights will be purely for the purposes of site safety and security.

2.6 Lighting will be located and directed with cowls where necessary to prevent intrusive light spillage being directed toward existing and future residential properties.

2.7 As far as is reasonably practicable the visual intrusion of the construction site on nearby residents will be contained and limited.

2.8 Any security cameras will be located and directed so that they do not intrude into nearby residential properties.

2.9 Temporary office buildings for supervisory staff, welfare facilities and secure storage units will generally be located within the construction compound.

2.10 Signage will be erected at the site entrance to provide contact details and a complaints procedure. A letter to the dwellings adjacent to the site will be sent advising of start dates and contact details of the site and head office team. Periodic updates will be provided to adjacent residents by way of letter.

3. Protective Fencing

3.1 Protective fencing, other than tree/hedgerow and reptile protection fencing referred to at Section 12 of this Plan, will be erected around all construction areas before relevant works commence and will be maintained in good condition.

3.2 The fencing will be removed and/or relocated to a new position only when safe to do so.

3.3 A visual screen along the eastern boundary of the site will be provided during the bird overwintering period (i.e. October to March inclusive).

4. Noise and Vibration

4.1 Screens/hoardings will be installed around the site compound early in the contract to reduce noise levels where practicable.

4.2 All contractors will be required to control and limit noise and vibration levels so that current legislative standards are not exceeded.

4.3 All materials will be handled, stored and used in a manner that minimises noise.

4.4 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.

4.5 Where practicable equipment will be shut down when not in use. Engine compartments will be closed when equipment is in use.

4.6 Semi-static equipment will be sited as far away as reasonably practicable from residential dwellings adjacent to the development site.

4.7 Where existing concrete hardstands need to be broken up, an oversized breaker will be used to minimise the blow rate and hence the percussive nature of the noise produced. The amount of breaking up undertaken on site should be minimised. Material should be removed to a less sensitive location where it can be broken down further as necessary.

4.8 All complaints received about noise or vibration will be investigated immediately and where necessary, work practices will be modified.

4.9 No piling is currently proposed at the site.

5. Traffic Management and Public Access

5.1 The only available access to the site is via St Georges Ave. It is expected that all construction traffic will approach and leave the site via this access having travelled via the A27 as shown on the plan annexed at Appendix B. Tracking plans to demonstrate that 16m articulated lorries can safely carry out the required movements are included at Appendix C.

5.2 Deliveries to the site will be restricted as far as reasonably possible so as to avoid peak traffic flow periods. Deliveries will be scheduled to avoid school drop off and pick up times in all instances.

5.3 Car sharing will be encouraged amongst the workforce in order to minimise traffic movements.

5.4 Sufficient car parking for construction workers will be provided as shown on the accompanying drawing.

5.5 Delivery vehicles will enter the site and will be able to turn and exit the site in a forward gear using the internal estate roads for turning. Pointsman will be used where necessary.

5.6 Prior to commencement, a Road Condition Survey will be carried out on the surrounding roads to protect residents and establish liability in the event that the carriageway is damaged. Persimmon agree to rectify, through works or contribution, any damages to the carriageway where liable.

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

6.1 Construction materials and spoil will be stored in accordance with a health and safety plan.

6.2 The spoil that is generated from the development proposals, will be re-used on site wherever possible. Any contaminated spoil will be removed and taken to an appropriately licensed landfill for disposal.

6.3 Subsoil and topsoil will be separated and stored correctly for use after construction. Subsoil will not be compacted, disturbed or drained which could cause problems with its subsequent use.

7. Dust and Odour Control

7.1 Best practicable means will be used to control dust and airborne pollutants at the site including the occurrence of smoke and fume emissions.

7.2 Areas of hardstanding associated with the development will be constructed as soon as possible.

7.3 All plant and equipment will be checked prior to use to ensure that it is in good working order and repair, and conforms to manufacturers' or statutory emissions standards. Any defective items of plant shall not be used.

7.4 All processing plant and vehicles carrying loose aggregate and workings will be covered or shielded to reduce/avoid dust emissions.

7.5 In periods of dry weather and where practicable, all soil stockpiles and surfaces will be dampened down with water to reduce dust emissions.

7.6 Where practicable, material stockpiles will be located away from the site boundary.

7.7 All earthworks will be sealed or re-planted as early as practicable to minimise dust.

7.8 Where practicable, on site aggregate handling will be carried out in enclosed areas.

7.9 No materials will be burnt on site.

7.10 Proper consideration will be given to wind conditions and the location of sensitive receptors such as those dwellings beyond the development sites western boundary when activities are likely to emit dust, aerosols, fumes or odours.

7.11 Site toilets will be located well away from sensitive receptors.

7.12 All traffic exiting the site will be subject to systematic wheel washing, at a minimum, being a manned jet wash. In the event that there is an unacceptable amount of mud on the surrounding road network as a result of the development, mechanical sweepers will be provided to clean the highway.

7.13 A speed limit of 10 mph will be imposed on all construction vehicles at the site.

7.14 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.

7.15 Any identified recurring generators of dust will be replaced or improved.

8. Silt Control

8.1 Top soil arising from development will only be stripped immediately prior to construction in order to avoid the unlikely event of runoff into the local land drainage system.

9. Storage of Fuels and Oils and other Hazardous Materials

9.1 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.

9.2 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.

9.3 Vandalism and theft are frequent causes of pollution. Lockable valves will be fitted on all storage tanks/containers, fences will be made secure, and gates kept locked. Where possible, materials will be stored under cover and potential pollutants will be transferred into safe storage without delay.

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

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

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

9.7 Any oil pipelines to be installed at the site will be situated in an accessible position above the ground where possible. Underground oil storage tanks and pipelines can be subject to damage and corrosion, such as, where a pipeline has to be laid underground, it will be placed in a protective sleeve or duct with open grating covers for inspection purposes.

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

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

9.10 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.

9.11 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 be placed on drip trays to collect minor spillages. The drip trays will be checked regularly and any accumulated oil removed for disposal.

9.12 Correct facilities will be provided for storage and disposal of paint and liquid wastes.

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

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

9.15 A register of hazardous materials 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.

9.16 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.

10. Water Environment

10.1 The internal highway drainage network will be developed alongside the construction of the internal highway network. Surface water from the internal roads within the development will be positively drained.

10.2 Maintenance of the trapped gullies, highway drainage systems, interception facilities including prevention equipment, will be undertaken by the contractors until they are adopted (if applicable).

10.3 Oil interceptors will be regularly maintained. Routine inspections will be undertaken at least every six months and a log maintained of inspection dates, depth of oil and any cleaning that is undertaken. Separators will be provided with sufficient access points to allow for inspection and cleaning of all internal chambers. Access to the separator will be kept clear and not used for storage.

10.4 Oil interceptors will be fitted with flow cut-off valves to isolate the separator in the event of an emergency during site cleaning operations. They will also be provided with a durable label, providing the information identified in the Environment Agency's Pollution Prevention Guideline note 3 (PPG3) the 'Use and design of oil separators in surface water drainage systems'.

10.5 The contractors will comply with the conditions set out within any consents granted by the Environment Agency (e.g. discharge consents).

10.6 Regular checks of equipment will be undertaken to ensure leaks are identified early and rectified, thus saving water and preventing pollution of groundwater.

10.7 Rainwater will be collected and used, and water recycled wherever possible.

10.8 Any contaminated runoff/water will be collected and disposed of at a suitably licensed facility by a licensed waste contractor.

10.9 Prior to the installation of the foul sewer, foul effluent will be collected in tanks and taken by road tanker to the closest sewage treatment works. Once connections have been made to the existing foul sewer, all foul sewage will pass to the sewage treatment works directly.

10.10 Surface water collected within bunded areas will be taken by road tanker to a sewage treatment works or discharged to an approved point of disposal such as the foul sewer via petrol/oil interceptor, once operational.

10.11 Dissolved (soluble or emulsified) oils, detergents and degreasers will not be discharged to the foul sewer as these can affect the efficiency of oil separators.

10.12 Manholes on site will be stamped 'F' for foul water and 'S' for storm/surface water.

11. Waste and Ground Conditions

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

11.2 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.

11.3 Any ground contamination by spillage of fuel oils and hydraulic oils during construction will be excavated and removed to an appropriately licensed waste disposal site.

11.4 If during site preparation/construction activities, contaminants are identified, analysis will be undertaken to ascertain the nature of the contaminant and steps taken to remediate the ground and remove the contaminants. Removal will then be undertaken by a licensed contractor and the contaminants deposited in an appropriately licensed landfill.

11.5 Construction work will take place in such a way as to prevent, contain or limit, as far as reasonably practicable, any adverse impacts arising from the presence of contaminated land or material discovered during construction activities.

11.6 All waste materials will be segregated on site.

11.7 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.

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

11.9 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 rainwater and drained to a tank/the foul sewer to prevent pollution liquid entering the ground/surface water drains.

11.10 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.

11.11 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 Environment 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.

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

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

12. Tree Protection

12.1 Drawing ref: Tree Protection Plan Ref. 18295-BT2 and the supporting Arboricultural Assessment Report identify the trees and hedgerows on site that must be retained and protected in accordance with BS5837:2012 "*Trees in Relation to Construction*". The protective fencing will remain in position throughout the duration of the construction works.

12.2 Any remedial or protective work to trees or 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.

13. Dealing with Emergencies

13.1 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 at the 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.

13.2 An up-to-date site 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.

13.3 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.

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

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

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

13.7 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 during the construction phase.

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

14. Communication with the Local Authority and Local Residents.

14.1 On going liaison will be maintained with the LPA during the construction period.

14.2 A central information sign will be placed at the entrance to the site when development works commence with a contact name, telephone number and address for information or complaint purposes displayed.

15. General

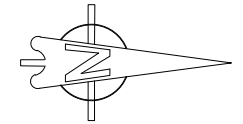
15.1 All contractors will be made aware of their responsibilities and informed of the ways in which their actions can cause pollution and generate waste and how these can be prevented. They will also be encouraged not to use excess resources such as water or energy.

15.2 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.

15.3 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.

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

Appendix A – Compound details



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Job Title
Land East of Castle Avenue, Havant

Drawing Title
Compound Location

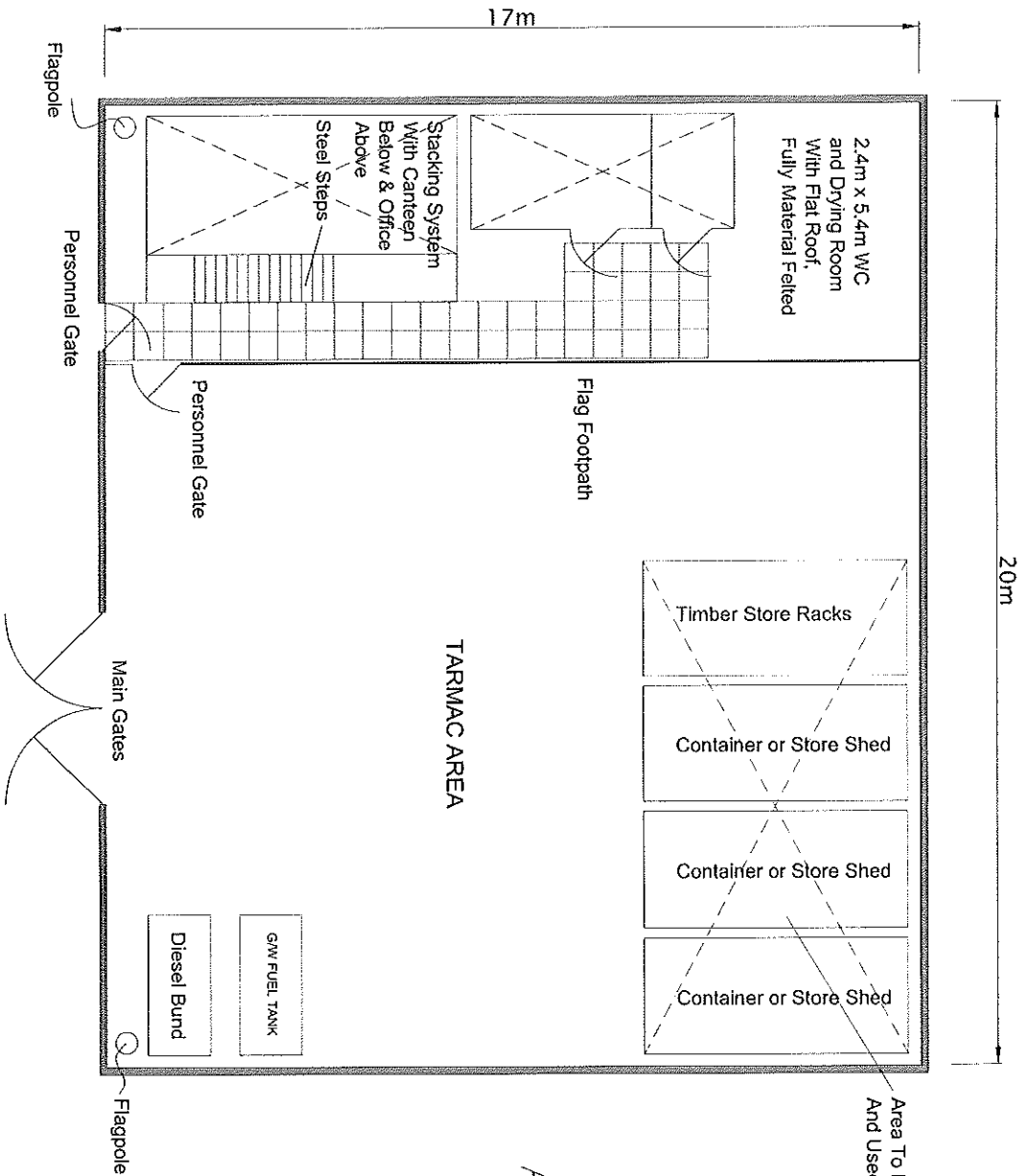
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metres 10 20 30 40 50

Job No
507
Drawn
GA
Checked
BR
Date
11.02.19

Status
APPROVAL

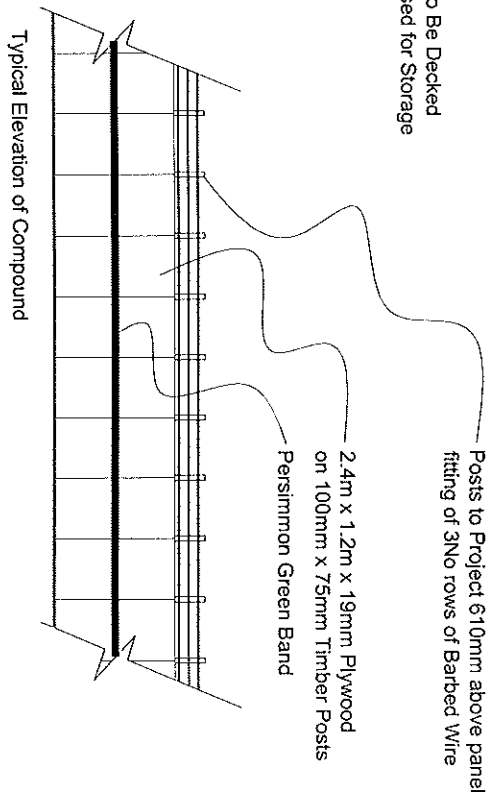
Rev	Date	Revision Details	Dr	Ch

PERSIMMON
Together, we make a home



NB: Plywood Panels to painted white externally and black internally, WC painted Black externally - White internally

NB: Size of compound will vary from the above maximum dependant on sizes of site



 PERSIMMON Together, we make a home	
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STANDARD COMPOUND LAYOUT	
Scale	1:100
Drawn By	CAH
Checked By	AS
Drawing Number	COM-2011:01
	OCT 11

Appendix B – Indicative Lorry Routing



Bing Maps 2020

Appendix C – HGV Tracking

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 Figured dimensions to be taken in preference to scaled dimensions and any discrepancies are to be reported to the architect.
 Revisions:



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 Revisions

