

Chalk Scout HQ Castle Lane Gravesend DA12 4TQ

Construction Environmental Management Plan (CEMP)

Re: Construction of 2No 4 Bedroom Chalet Bungalows

1.0 Project

1.1 Demolition of existing structure

1.2 Excavation of trenches for the installation of foundations
and services

1.3 Construction of external and internal walls, including
openings and approved sound and thermal insulation

1.4 Installing timber trussed roof with concrete interlocking
roof tiles

1.5 First and second fix finishings, including services;
gas/electric/water/Broadband

1.6 Regrading of site ready for grassed areas together with
hardstanding for parking and access area

1.7 Erection of boundary fences and gate access



This statement outlines the management and environmental plan to be adopted throughout the contract.

2.0 The design

2.1 Noise levels should not exceed 65 dB (A) measured in adjacent areas to the site, to which the works are undertaken.

Working hours to be within 8am to 6pm weekdays and 8am to 1pm on Saturdays. (No working on Sundays or Bank Holidays).

2.2 Lifting and plant operations to be from mains electricity or battery operated but not run off generators

2.3 Working on roof at a height necessitating edge barriers guarding to roof/wall apertures and trip hazards. These are to be enclosed with dust screens to all external sides.

2.4 Working at recommended height levels within building envelopes

2.5 Fixing materials may require adhesives, where adequate ventilation must be provided, contractors to comply with suppliers COSHH assessment sheets

3.0 Surrounding environment

The site is adjacent to No4 Castle Lane.

The site is accessed off Castle Lane via existing drop kerb.

The following requirements shall be implemented during the works to minimize risk during construction and disturbance

4.1 Working hours to be within 8am – 6pm weekdays and 8am – 1pm Saturdays (not Sunday or Bank Holidays) There are to be



no radios to be used on site, unless within roofed or enclosed spaces and no burning of waste materials whatsoever

4.2 The operators of the plant equipment and vehicles shall have the appropriate training and experience and records of their certificates, licenses or other evidence of such training and experience to submit to the client by the Contractor for inspection. Plant and hand tools are to be fully maintained within approved dust suppressors-reservoirs / silencers/ acoustic pad-sleeves around all mechanical equipment

4.3 The Contractor to provide client with documentary evidence of certification of all plant and machinery on site, including hired equipment which are to be electrically operated or battery powered and specifically not run off continuous generators.

4.4 The Contractor shall provide suitable personal protective equipment (PPE) appropriate to all site operations and locations to all operatives.

The Contractor shall prepare and enforce site rules in relations to wearing of PPE for their own employees and sub-contractors, including on site visitors

4.5 The Contractor shall provide welfare and first aid facilities on site and nominate a first aid officer, whilst the Contractor and his operatives are on site.

The Contractor shall notify all accidents, diseases and dangerous occurrences which are reportable within the



meaning of “Reporting of Injuries, Diseases and Dangerous Occurrences Regulation 1995”

4.6 The site is accessed off Castle Lane, therefore there should be strict control of access of goods, materials and equipment to the site.

4.7 A system must be implemented to ensure that members of the public requiring passage pass the site are not exposed to unreasonable risk.

This will include protection measures to the frontage of the works during daylight and night- time periods, including lit scaffolding and holdings with adequate clear and concise warning signage and instructions for routes of safe passage

4.8 The Contractor will be required to put in place measures to ensure the construction workers, members of the public, local services and properties are not exposed to falling material hazards during construction or excessive noise and dust – namely suitable hoardings around the site to not merely protect the adjoining owners currently but also the retained boundary fences/ treatments.

The Contractor must have in place a detailed method statement outlining their proposals for restricting all access onto the site and secure the vicinity of the site during installation of the works.

This will include advising operatives to handle materials with care including scaffolding to avoid dropping, rather than placing. Scaffolding to be installed with dust screens as a minimum. All construction workers and visitors on site should



wear appropriate PPE to reduce the risk of injury from materials and equipment (i.e., hard hats, protective footwear and high viz jackets). This will also include the use of noise barrier, where appropriate, to absorb and or deflect noise away from noise sensitive areas where practicable

4.9 Access to and from the site is via Castle Lane, access measures should include clear access routes for controlled material deliveries and parking provisions, avoiding obstruction of the highway and public footpaths.

If Vehicles need to park on the highways, they should be parked in such a manner as to not obstruct or visibility from accesses or junctions and permit free use of the footpaths at all times.

Temporary hard standing to be provided to the side of plot. 2 in front of the proposed welfare unit for contractors with the existing access track to be available for site deliveries.

Deliveries should be timed so that only one delivery is on site or in Castle line at any one time.

No vehicles are to wait on Rochester Road (A226) or the adjacent housing estate

Regular cleaning of site vehicles, operative boots, lorries and vehicles leaving the site, in adverse site conditions and inclement weather, shall be provided.

Manual sweeping of Castle Line to be carried out if materials are deposited on the highway with a mechanical road sweeper should be available on call if materials deposited on the highway become excessive.



Engines will not be left running unnecessarily.

4.10 Appropriate safety measures, including scaffolding to prevent accidental falls from erected structure to be in place throughout the project. All working areas should be always tidy to reduce the risk of tripping over objects laying on the ground or floors within public areas, such as frontage footpaths or on the access track

4.11 The Contractor shall contact the local authority and statutory undertakers and their suppliers to locate all services within the site and surrounding area that could be affected by the site operations. Adequate location and marketing of these services shall be carried out by the Contractor to avoid any damage or injury from the services. Builder to ensure there will be a water supply on site and that protected fencing / hoarding will be kept clean by water borne method and to be undamaged at any time

4.12 Method statements will be required for any lifting machinery required on site or for hire during the day. The Contractor shall make sure that all equipment has been adequately checked and is suitable for the functions required.

Grinding and mechanical cutting will be carried out off site, unless necessary and if so has been programmed to allow for adequate sound protection to be placed beforehand

4.13 Heavy manual handling may be required during the project, including assistance with approved carriage to install specified steel beams.



A method statement for mechanical lifting and handling heavy items such as beams should be provided in accordance with The Manual Handling Operations Regulations of the CDM regulations themselves. Units heavier than 20 kg are to be either lifted by a two-man operative team or handled mechanically, to avoid repetitive injury to the operative.

All materials to be handled including delivery end fixing in strict compliance with appropriate BBA certificates and to be placed, not dropped

5.0 Dust

5.1 Appropriate assessments and measures must be undertaken during the project, particularly when exposing unforeseen material during excavation. All surfaces to be kept clear in case of emergencies and hardstanding to be regularly cleaned with water, not dry brushed.

Builder to ensure wheel washing facility is to be provided whenever there is potential for carrying dust or mud off the site, including access track

5.2 This is to be also extended to materials, additives, adhesives and fixings of material to the appropriate B&A Certificates

Suitable materials to use on temporary / permanent site access by removal of imported fine particle material, with a more robust and larger particle size and shape to increase strength of surface and base materials



5.3 Contractor to ensure all loads entering or leaving the site are covered and any spillage equipment is readily available to be used.

Contractor to ensure that all cement is delivered in bags and that damaged bags and part opened bags are wrapped to avoid excessive spillage

5.4 Dust produced during demolition and construction process shall be kept to a reasonable level to site operatives and the public in surrounding areas. This is to be controlled by a dust suppression programme throughout the project timetable as follows; -

These measures to include dust screens to all sides of scaffolding

5.4 (a) Contractor to ensure sheet covers are installed over loaded skips

5.4 (b) Suitable materials to be used on temporary / permanent site accesses by removal of imported fine particle materials with a more robust and larger particle size and shape to increase strength of surfaces and base materials

5.4 (c) Temporary wind breakers to be adopted, if necessary, locally to work operation and areas exposed to the public and surrounding properties. Where dust generated becomes a concern, the Contractor to ensure regular dust controls are put in place as basic techniques using water mist / spraying

6.0 Safety



6.1 Equipment to be readily available to clear any spillages as reasonably practical, using water base methods which is to include absorbent materials ready to be deployed. Provisions to be made to temporary hold / store possible contaminate materials within wall/floor and covered enclosure

6.2 All containers of contamination on site to be leakproof and kept in a known safe area ready to be transported by approved method. This area is to be secure enough to resist vandalism and impermeable trays below substances. This applies to cement bags which should always be under cover and located away from boundaries

6.3 No fuel or oil is intended to be used on site, but should any spillages occur from machinery used on site, it is to be covered with sand, dug out of the ground, and stored with impervious enclosures ready to be moved by Sealift Contractor off site

6.4 Appropriate PPE should be worn by all construction workers on the site to reduce risk of inhalation of these substances (i.e., protective clothing, including masks / eye protections and footwear)

7.0 Welfare

7.1 Toilet facilities to be provided by Protloo Toilet to be sited on hardstanding adjacent to building on Plot 1 and connected to existing foul drain.

8.0 Storage of Materials.

8.1 Herras fencing to be provided to the front boundary with access gates provided off Castle Lane.



8.2 The storage of bricks and blocks to be sited on the proposed parking spaces at the front of the dwellings with all other materials used in the construction on the dwelling to be stored on hard standing at the rear of the properties.

8.3 Storage of plant associated with the production of mortar to be stored in the rear garden.

