

CONSTRUCTION ENVIRONMENTAL MANAGEMENT PLAN

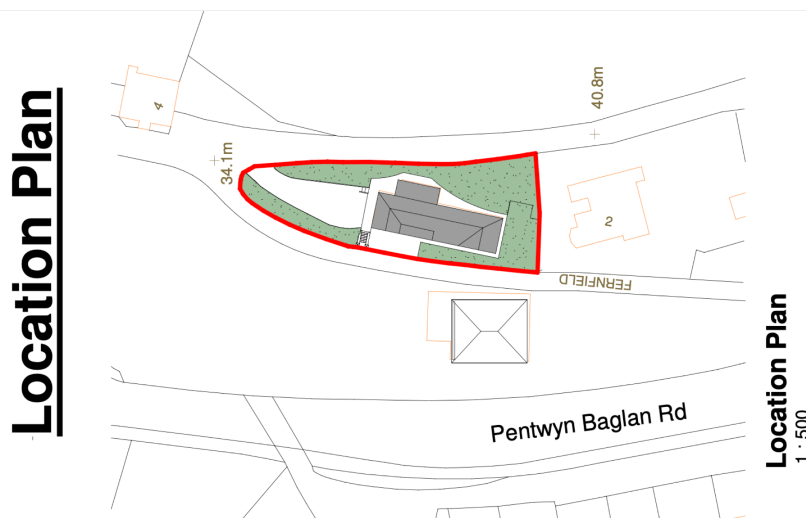
1.0 Introduction

The applicant wishes to increase the ridge-height of the existing bungalow to provide accommodation within the roof-space, two storey rear extensions plus attached garage to side elevation with roof terrace above, and associated retaining works.

This Construction Environmental Management Plan (CEMP) has been prepared to give an outline of the potential environmental impacts of the proposed construction works and the mitigation measures which will be used to minimise these. The word “construction” in this document is intended to mean “construction and demolition”.

1.1 Site Setting

The proposed site is located with the Neath Port Talbot Local Authority, with the address being; Bayview, 3 Fernfield, Baglan, SA12 8AL. The area referred to as ‘the site’ in this CEMP refers to all works indicated within the red line in the approved document site location plan



1.2 Description of Works

The works will include the following...

- a) the parking of vehicles of site operatives and visitors;
- b) loading and unloading of plant and materials;
- c) storage of plant and materials used in constructing the development;
- d) measures to control the emission of dust and dirt during demolition and

construction;

e) a scheme for recycling/disposing of waste resulting from demolition and construction works.

f) a scheme for the retention of vehicular access, including emergency vehicles, to Fernfield during construction works.

g) hours of works on site.

1.3 Purpose of CEMP

A CEMP is a tool for managing the environmental impacts of a development during the post consent phase and is often produced at the request of a planning authority.

This CEMP has been produced to demonstrate that the applicant and their contractors understand the potential impacts of the works.

The CEMP is a working document which will be printed and made available to all on-site personnel, providing documented procedures, and a schedule of actions.

Revisions to this CEMP shall be agreed and approved by the appointed project manager and recorded. The plan shall be continually reviewed to take into account additional environmental information encountered during the design and construction phase.

2.0 Environmental Training and Awareness

2.1 Inductions

All project personnel shall receive an environmental induction presentation. No personnel, including sub-contractors, shall be permitted to commence work on site without prior attendance at an induction. The induction shall evolve to reflect changes in the CEMP as the project develops.

Environmental topics covered in the induction shall include but will not be limited to:

I. Water resources.

II. Pollution prevention.

III. Emergency response procedures.

IV. Waste management and housekeeping.

V. Duties and responsibilities

VI. Relevant procedures.

VII. Ecologically sensitive areas and any protected species restrictions

VIII. Incident reporting.

IX. Environmental best practice.

2.2 Toolbox talks

Regular 'Toolbox talks' on specialised topics shall supplement the induction course. Toolbox talks shall be used to highlight issues of concern and to disseminate new information not previously provided.

The Toolbox talks will be provided by the Ecological Clerk of Works (ECoW) where appropriate as open as necessary to address site-specific requirements. Toolbox talk topics for environmental management shall include, but will not be limited to:

- I. ecologically sensitive areas.
- II. environmental incident and reporting.
- III. invasive weeds.
- IV. protected species.
- V. silt and water management.

Records of all Toolbox talks and attendance will be kept by the principal contractor.

3.0 Management of Environmental Impacts

3.1 Ecology

The Principal Contractor shall ensure that all clearance works on this site will be completed under the supervision of a suitably competent Ecological Clerk of Works (ECoW) where appropriate.

3.2 Ecological Enhancement

The Client and appointed Principal Contractor will implement a series of ecological enhancements in accordance with Condition 5 of the approved Planning Application.

4.0 Construction Phase

The Construction phase of the development will take place in a secure environment as shown in Figure 1 and will not interact with the surrounding area. The construction area will be securely fenced and be subject to a site compound, where the storage of materials and waste products will be held.

4.1 Waste management

Waste collected from the site shall be stored prior to disposal. The contractors shall ensure that all wastes are stored and labelled in accordance with the Duty of Care. In particular, care shall be taken to identify and segregate Hazardous Wastes. The waste carrier registration certificates of all contractors and sub-contractors used to carry waste shall be checked for the correct certifications. Opportunities shall be taken, so far as practicable, to recycle materials for example scrap metal, timber, paper, plastic and oils.

4.2 Protection of ground and surface waters

The Principal Contractor will identify all watercourses, drains and potential conduits, noting that there are no watercourses on the site or adjacent to it. The proposed working area is not in close proximity to a known watercourse, and where necessary, measures shall be taken to minimise direct sediment and silt-laden run off from the working site into any nearby watercourses.

Control and mitigation measures to be implemented to prevent pollution include:

- No silty water to be pumped directly into any watercourse but to be allowed to settle out. For example, into settlement lagoons, suitably designed considering particle size and nature of material or, filtered using straw bales to filter out coarse particles prior to discharge.

Where settlement or filtering is not practicable or effective, alternative disposal options will be considered for example, discharge onto a grassed area following NRW consultation.

If required watercourses will be protected from contaminated surface water run-off by using French drains, cut off ditches, grips, silt fences or bunds round the edge of watercourses.

Washing out and cleaning of concrete and mortar batching equipment or ready-mix lorries will be carried out in a contained area within the site compound.

4.3 Pollution prevention

All plant shall be checked for leaks of fuel and lubricants before being allowed onto the working area. A suitable quantity of pollution control equipment, e.g., spill kits containing absorbent pads, absorbent granules etc. will be kept in the stores for use in the event of an emergency. The principal contractor shall ensure that adequate pollution control equipment is maintained and is available.

Demolition activities will be planned to ensure that no demolition activities cause exposure to hazardous materials such as asbestos. A pre-demolition survey including asbestos survey shall be undertaken and any hazardous materials identified, removed, and disposed of in a controlled manner by an authorised and licensed contractor. Demolition materials shall be segregated and where possible recycled or reused using authorised and licensed contractors.

4.4 Incident Procedure

Pollution Incident Control Plan (PICP)

The principal contractor/contractors will develop and implement a PICP which will detail their response in the event of any incident on site. The following measures and information will be included and detailed further in the PICP to manage any incidents and limit adverse effects on the receiving environment.

- describe the procedure to be followed in the event of an incident (in accordance with the 'Incident Response' procedure below).
- describe the procedure for the notification of appropriate emergency services authorities and personnel on the construction site.
- describe the procedure for the notification of relevant statutory bodies, environmental regulatory bodies, local authorities and local water and sewer providers.
- provide contact details for the persons responsible on the construction site for pollution incident response.
- ensure that staff competence and awareness in implementing plans and using pollution response kit.

Incident Response

All incidents associated with the construction of the proposed development, including environmental incidents and non-conformance with the CEMP, will be reported and investigated using the PICP.

The following procedure will be followed in the event of an incident and will be detailed further in the PICP.

- works will stop.
- the contractor Project/Site Manager will be contacted.
- the size of the incident will be assessed.
- if the incident is controllable by staff on site, remedial action will be taken immediately in accordance with the Pollution Incident Control Plan.
- if the incident cannot be controlled by the staff on site, emergency assistance will be sought.
- the appropriate enforcing authority will be contacted and informed.
- The principal contractor will instigate an investigation into the occurrence of the incident.
- the findings will be sent to the appropriate enforcing authority where necessary; and an action plan will be prepared to determine why the incident occurred and whether any modifications to working practices are required to prevent a recurrence. If necessary, the CEMP will be updated (and any other plans as appropriate) and all workers will be notified.

4.4 Storage and handling of fuel and lubricants

Diesel shall be stored in fuel bowzers fitted with integral bunds, designed to hold 110% of the contents of the tank. All connections shall be situated within the bund. Fuel shall be stored at the site compound.

Refuelling on the site shall be undertaken at the site compound. Refuelling bowzers shall be equipped with “spill kits” and personnel shall be trained in their use as part of the site induction and in toolbox talks. Oils and lubricants used on the site shall be stored in temporary vessels designed to hold 110% of the containers. No oil or lubricants shall be stored within 30 metres of a watercourse.

5.0 Air emissions

5.1 Vehicles and Plant

Most plant and machinery used in the working area would be powered by diesel engines. In order to control excessive exhaust emissions and smoke, the developer and contractors will ensure that all plant is correctly adjusted and checked as being in good working order before being allowed on site and is adequately maintained. Battery powered / mains electricity equipment shall be utilised where possible in preference to equipment powered by diesel generators.

5.2 Dust

Damping down shall control dust during prolonged periods of dry weather together with the implementation of site speed limits set at a maximum of 5mph as appropriate. All haul lorries shall be appropriately sheeted and stockpiles of fine materials shall be covered.

The contractors shall ensure that public highways are kept clear of mud and other debris that may have been tracked from the site. This will be achieved using road sweepers or through manual brushing depending on severity.

6.0 Light

In any instances where lighting is required, directed working area lights shall be positioned or shielded so as to avoid nuisance to both properties and highways. Any lighting shall be positioned so that it does not shine on riparian, woodland, or other sensitive habitats.

7.0 Noise and vibration

Noting that the 2 nearest habitable buildings adjacent to the site and that the development is relatively small in scale. The principal contractor / subcontractors shall aim to be proactive and considerate contractors, keeping noise and dust levels as low as reasonably practicable.

The contractors shall control noise on the working areas in accordance with BS 5228, Noise Control on Construction and Open Sites. Site inspections shall include

checks to ensure that plant is being operated with any specified acoustic covers in place. Excessively noisy plant shall be removed from site for repair or maintenance. Quieter construction methods shall be used, where required and where considered reasonable and feasible.

Measures shall be taken to minimise noise levels; equipment will be switched off when not in use (including during breaks and down times of more than 30 minutes). Battery powered / mains electricity equipment shall be utilised in preference to equipment powered by diesel generators.

Normal working hours, inclusive of deliveries, are expected to be: Mon – Sat: 08:00 - 17:00

8.0 COSHH

A COSHH store will be set up in the site compound. COSHH assessments and Material Safety Data Sheets shall be held with the COSHH materials. A COSHH register shall be created and maintained by the principal contractor.

9.0 Monitoring

Monitoring, as outlined in this document, will be undertaken as specified before, during and post construction, to ensure compliance with the CEMP and to validate the predictions made by the assessments which were done pre-application.

9.1 Pre-construction

Site surveys will be completed to finalise vegetation clearance and site preparation works will be undertaken as necessary.

9.2 During construction

Daily visual inspections will be carried out by the Principal contractor. The Principal contractor will also undertake a programme of weekly environmental inspections and monthly environmental audits to record performance and identify any corrective actions required.

9.3 Post construction

A post construction site visit will be made with the Client / Principal Contractor and regulatory authorities as appropriate to ensure that any re-instatement that has been completed is to the satisfaction of all parties.

Figure 1