

Thomas Armstrong (Construction) Ltd.
Construction of 40 Dwellings at Fell View and
Windermere Avenue, Whitehaven.
Construction/Environmental Management Plan.
CEMP

December 2022

Introduction

Planning permission of the proposed development has been granted by Copland Borough Council Ref. 4/22/2359/0F1.

This CEMP is issued to discharge the requirements of Condition No. 4.

The purpose of this Construction Environmental Management Plan (CEMP) is to avoid, minimise or mitigate any effects of construction activities on the environment and the surrounding community and:

- Ensure compliance with all applicable legislation and statutory controls.
- Ensure conformance with the Thomas Armstrong (Construction) Ltd. Environmental Policy Statement.
- Deliver best practicable environmental performance.

Construction Activities.

The development involves the construction of 40 dwellings comprising 24 No. two bed bungalows, 4 No. three bed bungalows and 12 No. two bed houses together with associated external works. Enabling works includes the demolition of 2 pairs of semi-detached houses.

There are two sites, both under the ownership of Home Group. The sites were previously occupied by dwellings which were demolished. Access to both sites will be directly from the existing adopted highway running in front of the sites.

Site facilities will be contained within the development areas and on a parcel of land remote to the site which has been made available by Home Group. This will minimise the traffic movements and minimise any congestion caused by the site operations.

Facilities provide will site offices, welfare facility and drying room together with W.C facilities and storage. All facilities and the site perimeter will be fenced using GS7 temporary fencing.

In addition to the construction of the new dwellings the following works are also included as part of the project.

- Demolition of 2 pairs of existing semi-detached dwellings.
- Diversion of existing adopted surface and foul water drainage.
- Bulk excavation to create level plateau's for dwelling construction.
- New footpaths and highway repairs.

All construction activities shall be carried out in compliance with this CEMP a copy of which shall be kept in the site office along with the Construction Phase Health and Safety Plan for the lifetime of the project.

Typical construction activities include:

Site Establishment

- Installation of security fencing and barriers.
- Site strip and removal of arisings from site.

- Installation of site accommodation, welfare and material storage area.
- Off site parking facility.

Ground works

- Reduced level excavation and re-modelling.
- Casting of concrete foundations.
- Suspended floor construction.
- Gas protection systems.
- Excavation for installation and connection of new utility services.
- Excavations for new drainage.
- Construction of shared drives, paths and parking.

Superstructure Works

- Masonry external and internal wall construction.
- Scaffolding.
- Roof coverings.
- Mechanical and electrical.
- Plastering.
- Flooring and tiling.
- Decoration.

External Works

- Fencing.
- Landscaping.

Typical Construction Traffic.

The construction traffic will consist of cars, vans, lorries, dumpers, telehandlers mobile cranes and road sweepers. However, cars and vans will be located off site. The construction workforce is anticipated to peak at 20 No. However, average numbers will circa. 15.

Environmental Aspects and Impacts

Each sub-contractor will manage the risks associated with their work activity/package.

Contractors are advised through toolbox talks of this requirement and to be vigilant when carrying out works.

In the event of any unexpected discoveries of protected or invasive species that could be impacted by the site activities, the works will cease and the discovery reported to the site manager and environmental manager. If appropriate, specialist advice from a suitably qualified ecologist will be sought.

In the event that contamination is found at any time during the development, that has not been previously identified, it will be reported immediately.

Site management will follow the following procedure.

- Ensure no further works are carried out within the location of the discovery until authorised to do so by the relevant authorities.
- Segregate the area of the site from other activities.
- Ensure that work restrictions in the area are communicated to all relevant site staff and, if necessary that the area is identified with clear signage.

Project Environmental Requirements.

Site hours will be restricted to 8.00-18.00 Monday to Friday and 8.00-13.00 on Saturday. No works will be carried out on Sundays or Bank Holidays. This complies with Condition 17 of the approved planning permission.

Particulate Matters

With regard to nuisance, the methodology in which work activities are undertaken must apply Best Practicable Means (BPM) in order to minimise negative impact on local, sensitive receptors (existing domestic dwellings). However, if measures to reduce excessive dust and noise are unsuccessful work must stop and an alternative method of working devised and implemented before work resumes.

The following measures will be used where necessary and appropriate.

- Use of sheeted vehicles and covered skips.
- Dust extract equipment during drilling and cutting.
- Damping down of haulage roads, stockpiles and unbound materials in dry and/or windy conditions.
- Sweeping of access roads.
- Cessation of activities likely to cause creation of dust during windy/dry periods.

Noise Control

No specialist activities resulting in high noise levels are anticipated. No piling operations are to be carried out as part of the construction process.

The following measures will be employed to prevent, reduce and mitigate noise.

- Locate plant and equipment away from sensitive receptors.
- Use screens including bunds and proprietary acoustic screens to provide noise barriers.
- Use modern and well maintained plant
- Isolate plant and equipment when not in use.
- Keep engine compartment doors closed at all times.
- Fit white noise systems to reduce noise nuisance when reversing.

Visual Amenity

Site lighting will be limited to that necessary for safe access and egress from site.

Use will be made of existing street lighting and floodlighting will not be used. Where lighting is required for the safety of the public and site operatives shields will be used to prevent light spillage.

