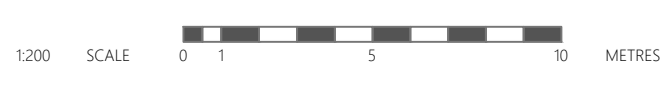


Site Plan - Construction Plan
Scale 1:200



This CEMP has been produced for approval of Condition 3 and 5 linked to Planning Approval Ref: DC/2022/01189

Condition 3
No development shall commence, including any works of demolition, until a Highways Construction Management Plan has been submitted to, and approved in writing by, the local planning authority.

This shall include but not be limited to such matters as the number of trips and type of vehicles to be used, the delivery hours, the location and extent of a site compound for parking of vehicles and the location and extent of wheel washing facilities (or other measures to limit the potential spreading mud on the carriageway).

The approved statement shall be adhered to throughout the implementation of this permission.

Condition 5
No development shall commence, including any works of demolition, until a Construction Environmental Management Plan has been submitted to, and approved in writing by, the local planning authority. The approved statement shall be adhered to throughout the construction period and shall include details regarding noise, dust and vibration suppression along with details of any piling/ground compaction measures to be used and measures to mitigate impacts arising from such works.

Site Layout
The layout of the site is designed to keep vehicles and site personnel apart where possible. The site has one way in and out so this means access to the general public is restricted. However, due to the single narrow access there will be a shared entrance for pedestrians and vehicles. The management of this area will be critical as below:

Entrances and Exits - provide separate entry and exit gateways for pedestrians and vehicles. Vehicles will be accompanied by bandsman to ensure no pedestrians use the shared access when vehicles need to access or egress the site;
Signage - various signs will warn pedestrians and vehicle operatives of the conditions around them;
Walkways - provide firm, level, well-drained pedestrian walkways that take a direct route where possible;
Crossings - where walkways cross roadways, provide a clearly signed and lit crossing point where drivers and pedestrians can see each other clearly.

The site has a large hardstanding area to the front which will eventually become the parking area for the scheme, this will be kept clear for delivery turning. There is no space on site for contractor parking so this will be done within the local area but to minimise the impact the local environment. Contractors will be encouraged to car / van share and use public transport, where possible, and informed of site limitations prior to award of any contract.

The site layout will be planned to locate machinery and dust-causing activities away from sensitive receptors, were reasonably practicable. Appropriate methods, such as the erection of hoardings or other barriers along the site boundary, will be used, where appropriate, to mitigate the spread of dust to any sensitive buildings or other environmental receptors.

Site Activities
Dust pollution from excavations and earthworks activities will be limited using the following measures, as appropriate:

- Topsoil will be stripped as close as reasonably practicable to the period of excavation or other earthworks activities to avoid risks associated with run-off or dust generation;
- Drop heights from excavators to vehicles involved in the transport of excavated material will be kept to the reasonably practicable minimum;
- Materials will be compacted after deposition, with the exception of topsoil and subsoil on land to be restored for agriculture, forestry, landscaping and wildlife habitats; and
- Soil spreading, seeding, planting or sealing of completed earthworks will be undertaken as soon as reasonably practicable following completion of the earthworks.
- Use water as dust suppressant where applicable e.g. on moving spoil heaps
- Work towards lean construction & utilise 'just in time' deliveries
- Ensure operatives are using tools correctly and tools in good repair
- Suitable temporary enclosures for cutting and grinding activities; and
- No site runoff of water or mud.
- Stockpiles and mounds will be kept away from sensitive receptors (including natural and historic features), watercourses and surface drains where reasonably practicable and sited to take into account the predominant wind direction relative to sensitive receptors;
- Stockpiles and mounds will be maintained to avoid material slippage;
- Materials stockpiles likely to generate dust will be enclosed or securely sheeted, kept watered or stabilised as appropriate;
- Keep stockpiles for the shortest possible time;
- Fine dry material will be stored inside buildings or enclosures with measures in place to ensure no escape of material and of overfilling during delivery;
- Mixing of large quantities of concrete or bentonite slurries will be undertaken in enclosed or shielded areas;
- The number of handling operations for materials will be kept to the minimum reasonably practicable;
- Materials handling areas will be maintained to constrain dust emissions through the use of measures such as watering facilities to reduce or prevent escape of dust from the site boundaries; mixing of grout or cement-based materials will be undertaken using appropriate;
- Techniques/mitigation suitable for the prevention of dust emissions.
- Dust pollution associated with grouting activities will be limited through the use of the following measures, as appropriate:
- Dust extractors, filters and collectors on silos for example; and
- The mixing of grout or cement based materials will be undertaken using a process suitable for the prevention, as far as reasonably practicable, of dust emissions.

Noise Control Practices

- Contractors will look to select the quietest plant which is appropriate for the job and ensure that it is properly maintained, particularly with respect to any noise reduction measures.
- Contractors will ensure that plant is operated to minimise noise, including shutting off plant when not in use, keeping covers in place, etc.
- Noisy plant will be sited away from noise sensitive buildings or make use of barriers to shield such buildings.
- Mains power is to be installed at the site establishment stage to avoid the need for temporary generators.

If generators are required for a short period and need to be used overnight then hybrid generators will be used to prevent the potential for noise complaints.

- Vehicles used regularly on site, for example forklift trucks / JCB's, will have white noise / broadband reversing alarms fitted.

Dust Prevention Measures

- In summary to the points above, the site will look to provide the following prevention measure:
- All stockpiles of potentially dusty material shall be stored away from the boundary with existing dwellings / businesses.
 - Cutting or grinding of materials on site shall be done whilst using an effective water suppression system.
 - No burning of materials or rubbish shall take place on site.
 - Static plant powered by internal combustion engines shall be sited away from dwellings, offices, etc.
 - All wagon loads entering and leaving site will be covered.

Construction traffic

The construction and maintenance of site traffic areas, will include the following measures, as appropriate:

- provision of areas of hard-standing at site access and egress points to be used by any waiting vehicles;
- operation of construction plant in accordance with the manufacturer's written recommendations;
- vehicles and plant will be switched off and secured when not in use;
- vehicle and construction plant exhausts to be directed away from the ground and be positioned at a height to facilitate appropriate dispersal of exhaust emissions;
- the enclosure, shielding or provision of filters on plant likely to generate excessive quantities of dust beyond the site boundaries;
- devices such as dust extractors, filters and collectors on drilling rigs and silos will be used;
- movement of construction traffic around the site will be kept to the minimum reasonable for the effective and efficient operation of the site and construction of the project;
- All loads entering and leaving site shall be covered
- vehicles transporting materials within or outside the construction site will not be overloaded;

At all times operatives and visitors to wear the correct PPE. This includes, goggles, dust masks, gloves etc as required however there will be a supply of each in our office. There will be a fully stocked first aid box on site should it be required as well as free flowing hot and cold water at all times.

Wheel Washing Facilities

During the site establishment and groundworks phase a pressure washer will be used at the end of each day, or when needed twice a day to ensure vehicles do not track dust onto the local highway.

During the construction phase the site compound area will be gravel based made ground on the site as part of the site set up, which will be utilised for vehicular access/ delivery, egress. This will form a good hard standing free from mud etc. but in the event of a sustained period of heavy rain, a pressure power wash will be stored on site to hose down the wheels prior to the exit onto shared access road and public highway, should this be required. The contractor will ensure no large debris will be brushed into any surface road gullies in the public highway.

This will be supplemented with road sweepers as appropriate, most commonly during periods of moving surplus spoil and forming the foundations. Hardstanding at the access and egress points will be cleaned at appropriate intervals.

Deliveries

The largest vehicles required to access the site will be a 12m rigid wagon. It should also be noted however, that many deliveries will be undertaken by much smaller vehicles, such as Transit vans/panel vans. To minimise the number of large vehicles accessing the site, part load deliveries, which will use smaller vehicles will be considered where appropriate.

Larger deliveries via rigid vehicles will specifically between the hours of 10:00-14:00. All suppliers will have this stipulated in each purchase order which is issued to them, pre-start meetings will be held with the account managers prior to construction period commencing. Any suppliers not adhering to this will be turned away and removed from the supplier list. All activities/deliveries will be noted on the external public notice board (at the entrance to the site) and all local residents/businesses will receive a letter drop advising of planned activities and deliveries.

A member of the construction team will be allocated the role of being in charge of the site access gate - the gate will open into the site. All deliveries will be booked in with this person a minimum of 48hrs before arrival - access information will be provided to the delivery company at this time. Delivery companies will call 30mins ahead to ensure the site is ready to take delivery.

The Contractor will provide banksmen from the junction of the site access and public highway to greet deliveries and guide them to point of the site entry. This will be applicable for when entering and exiting the site.

Rigid vehicles up to 12m can be accommodated. A turning circle will be incorporated within the site demise and installed as part of the initial site set up so all delivery vehicles can safely manoeuvre prior to exiting the site.

Site Compounds and Welfare Facilities

Welfare facilities will utilise 2 No. external 'cabins', one will form the onsite Managers Office/ Canteen/ W.C and the other will be for storage of equipment. There will be a site signing in located in the site office or a designated hut at the start of the pedestrian walkway.

Signage

External facing signage indicating development details will be provided. The method, size and position are still to be finalised with the client. Within the site, information relating to general health, safety and environmental matters, site specific information and statutory notices will be displayed on the site SHEQ notice board. This shall include the following:

- Contract Name
- Emergency Contact Name and number including out of hours Site Plan.
- Current Key Risks and Information.
- This Week's Topic:
- Health & Safety Law Poster.
- Designated Fire Marshal (s) and First Aider (s).
- F10.
- Insurances.
- Policy Statements; Site Information (Fire Alarm, Deliveries, Parking, Nearest Rail Station, Emergency (Medical), Environment, Police, HSE, etc).

Any directional signage to the site boundary/footpath will be positioned and agreed with Local Authority for any closures/diversions that may be necessary associated with formation of new road access formation.

Hours of Working

In line with standard hours of working no construction work, including demolition and deliveries to and from the site except between the hours:

- Outside the Hours of 08:00 to 18:00 Weekdays
- Outside the Hours of 08:30 to 13:00 Saturdays
- No work shall take place on Sundays or on Public Holidays

Should the circumstances dictate that the contractor needs to work outside the above hours, they will seek written approval from Sefton Borough Council prior to doing this.

Neighbour Consultation

Prior to commencement of works on site a letter will be posted to all neighbour properties providing the following information:

- A brief description of the intended works
- Anticipated start and finish date
- Site contact name and phone number

Pest Control

The Contractor is to avoid stockpiling of construction waste using skips, which will be collected at regular intervals. The skips will reduce any build-up of human food, cardboard, wood, and other items used during the process might create a food source or habitat for certain pests. Contractors are to be mindful of waste spread about the construction site that may be attractive to pests. All incoming materials will be inspected for signs of pest infestation prior to bringing them onto the site.

Any new construction that disturbs pest habitats such as rodents, specialist pest control experts will be brought in to deal with through setting traps or bait around the exterior of the construction site to eliminate relocation of the population into nearby.

Rev	Amendment	Drawn	Check
P01	-	11/23	11/23
P02	-	11/23	11/23
P03	-	11/23	11/23

LEGEND

- Main House Footprint
- Garage (to follow once main shell of house built)
- Shared access road with adjacent properties
- Traffic Management / Turning Area (Existing Hardstanding and Crushed Stone)
- Material Storage
- Pedestrian Route
- Scaffolding area
- Welfare Area and Cabins;
 - Male and Female W/C / Mess Room / Drying Room / Site Office
 - Secure Storage / Fire Fighting Equipment / Signing In Point
- Pedestrian Movement
- Application Site Outline
- Existing Close Boarded Timber Fence
- Site Hoarding / Gates
- Heras Fencing for Tree Protection Area in line with Indigo Report

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Dream. Plan. Begin.

Do not scale from this drawing. Use figured dimensions only, which are displayed in millimeters unless stated otherwise. The contractor is requested to check all dimensions before work is put in hand. Any discrepancies within the drawing should be reported prior to commencement of works.

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Project:	Land to Rear of 19 Colleg Avenue, Formby
Client:	Evergreen Developments (Formby) Ltd.
Title:	Construction and Environmental Management Plan (CEMP)
Date:	11.12.23
Drawn:	RM
Check:	DB
Scale@A1:	1:200
Revision:	-
Status:	Planning
Drawing Number:	1719-RA-XX-XX-DR-A-0001