

Fort Estates Limited

Crabtree Farm, Off Hinckley Road, Barwell

**51 Unit Application - Construction Environmental Management Plan
APP/K2420/W/22/3308175**

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May 2023

Fort Estates Limited propose to construct the residential housing development shown in the application drawings to include roads, drainage, and external finishing works.

The development consists of mainly two-story housing with masonry cavity wall construction and concrete tiled roofs; there will inevitable be some noise and disruption in the adjoining area, but measures below will be adopted to minimize or prevent where possible during the whole preparation and construction works.

Our Site Manager will be responsible for the day-to-day running and operation of the development works including monitoring and adhering to this Management Plan; he will be the initial immediate contact should any existing residents have any cause for concern or complaint. Additional further contact detail will be displayed on site should anyone feel their concern or complaint is not being dealt with and their worries need to be escalated.

1. Site Hours of Work

Site works will be restricted to the following time, with no Bank Holiday working envisaged at this time:

- Monday to Friday 07:30 – 18:00 Hours
- Saturday 08:00 – 13:00 Hours

2. Site Access

The access to the development site will be off Hinckley Road.

Initial access will be via the existing access point whilst the new bellmouth highway access is constructed.

3. Welfare and Site Facilities Areas

The site Compound area will be located within the site and contain the site welfare and office facilities including the following.

- Contractor and visitor vehicular parking areas
- Material Storage Areas
- Welfare & Accommodation units
- Mortar Silo Position
- Wheel Wash points

4. Wheel-washing Facilities

During construction works an appropriate wheel-washing system shall be provided to remove mud, stones and any other extraneous materials from the wheels and chassis of construction vehicles exiting the site to ensure that no material leaves the site attached to the vehicle which might subsequently be deposited on the highway.

The type and nature of the Wheel -wash requirements will depend on the weather conditions and the nature of the works being undertaken on site.

There are several options available to carry out this requirement and the actual choice will be made depending on site conditions, and where vehicles travel on site, on a daily basis. The hierarchy of wheel cleaning choices are as follows: -

- Standard deliveries to site where vehicles stop at the unloading area, which will be a tarmac road/driveway, should not require any action.
- Manual Labour with bass broom and scrapers; during periods of dry weather and/or when groundworks operations are not being carried out, the manual light brushing of vehicle wheels will prevent debris being carried off site. Any resultant debris on the site road will be hand-swept immediately following the vehicle exit to keep on-site roads clean.
- During periods where vehicle may be travelling off-road, weather conditions are poor, and vehicles have tyres coated with mud, the above manual method will be employed but will be supplemented with a pressurized hand-held jet washer to remove all tyre debris. The hose will be located and supplied adjacent to the entrance and all surplus mud and water will be taken into a silt trap manhole located with the site boundary.
- Should the weather and site condition be too extreme for the forgoing methods to satisfactory cope with the requirement, proprietary mechanized wheel-wash equipment will be considered.
- As an emergency measure, vehicular road sweeping will be arranged for Hinckley Road should any complaints be received.

Position wheel wash points minimum 10m from the adoptable highway.

5. Dust Suppression

The potential generation of dust will depend on the weather conditions at the time, and the nature of the works being undertaken on site.

If the generation of dust is at a level that causes concern or complaint, we will act to reduce or omit the problem.

The hierarchy for decision making will be as follows: -

- Keep hard surfaces clean of mud and dirt by regular scraping with excavator
- Monitor weather forecasts
- Manually spray with water the surfaces causing the dust generation
- Arrange regular contract road-sweeping by mechanical plant
- Hire water spray attachment for use with own on-site plant.

There is always the possibility of minor periods of dust generation due to immediate unforeseen meteorological conditions, but, as soon as this occurs the hierarchy of decision making above will be used.

6. Construction Noise

Construction sites are inherently noisy places and pose variable problems for contractors to deal with. The main noise sources are often situated outside where they can be affected by weather, topography, atmosphere and landscaping. Also, the main noise sources (construction plant and equipment) will move from location to location and vary in its intensity throughout the workday.

Controlling noise is essential not only for residents in the local area, but also for the construction workforce.

Whenever possible all activity should comply with BS 5228:2009 and the Code of Practice for noise and vibration control on construction and open sites

There are 7 potential steps that can be utilized to control noise on construction sites: -

1. Elimination – *remove the source of the noise completely.*
2. Substitution – *employing alternative construction techniques.*
3. Isolation – *using noise control products such as baffle and attenuators.*
4. Equipment – *choosing the quietest makes and models of equipment.*
5. Engineering control – *placed at the source or in transmission path*
6. Quiet work practices – *such as putting a time limit on noisy periods and omit times when plant stands with the engine idling.*
7. Administrative control – *management making concerted decisions to reduce exposure to noise.*

All, or none of these steps may or may not be suitable or practical to implement as each situation is individual.

Fort Estates use the following measures to help reduce noise to the local area and its workforce: -

1. Use the correct size machinery for the task.
2. Excavators are generally under 5 years old, and regularly maintained.
3. Break-up periods of noisy work.
4. Do not leave machinery 'idling'.
5. Machinery not to be started before 07:30 hours and cease around 16:30 hours.
6. Site or shield any noisy temporary generators as far away from houses and workers as possible.
7. Ensure workforce are informed of dangers on working near sources of noise.
8. Ensure workforce use appropriate PPE.

7. Smoke

There should be no pollution from smoke on site or in the immediate surrounding area as burning on site is prohibited through our Health and Safety Plan.

8. Odour

The majority of housing construction materials and processes are odour free. The storage of diesel fuel for machine use is a possible source of odour. Our Fuel storage tanks are double skinned and bunded which greatly assist in preventing leakage that could cause odour and contamination.

9. Light Pollution

All our construction processes are carried out during daylight hours and do not require any other lighting source. On occasions the only other light sources possible required would be inside built properties and this will have no impact on adjoining properties.

10. Contamination

The existing site is not contaminated therefore there will be not cause for concern should any surplus materials be removed from site.

And, for standard residential housing developments there are very few operations used that can cause contamination, the major potential issue for contamination is diesel fuel as mentioned above.

11. Monitoring & Complaints Procedure

Our Site Manager will be based on site, during the working periods and he is responsible for the day-to-day control and management of Health and Safety and Environmental matters.

Our Site Manager will be the first point of contact where anyone has cause for concern or complaint, and if this initial contact cannot amicably resolve the problem, the issue can be escalated by contacting the named person at our regional office.

A copy of our Complaint Procedure will be available on site and will be available to any person who raises a justifiable complaint