DEVELOPMENT
DESIGN
CONSTRUCTION

Construction Dust & Noise Management Plan

To Control Dust & Noise During the Construction Phase of Development

At

Cemetery Road

Hemmingfield

Barnsley

S73 0PU

March 2022

Introduction

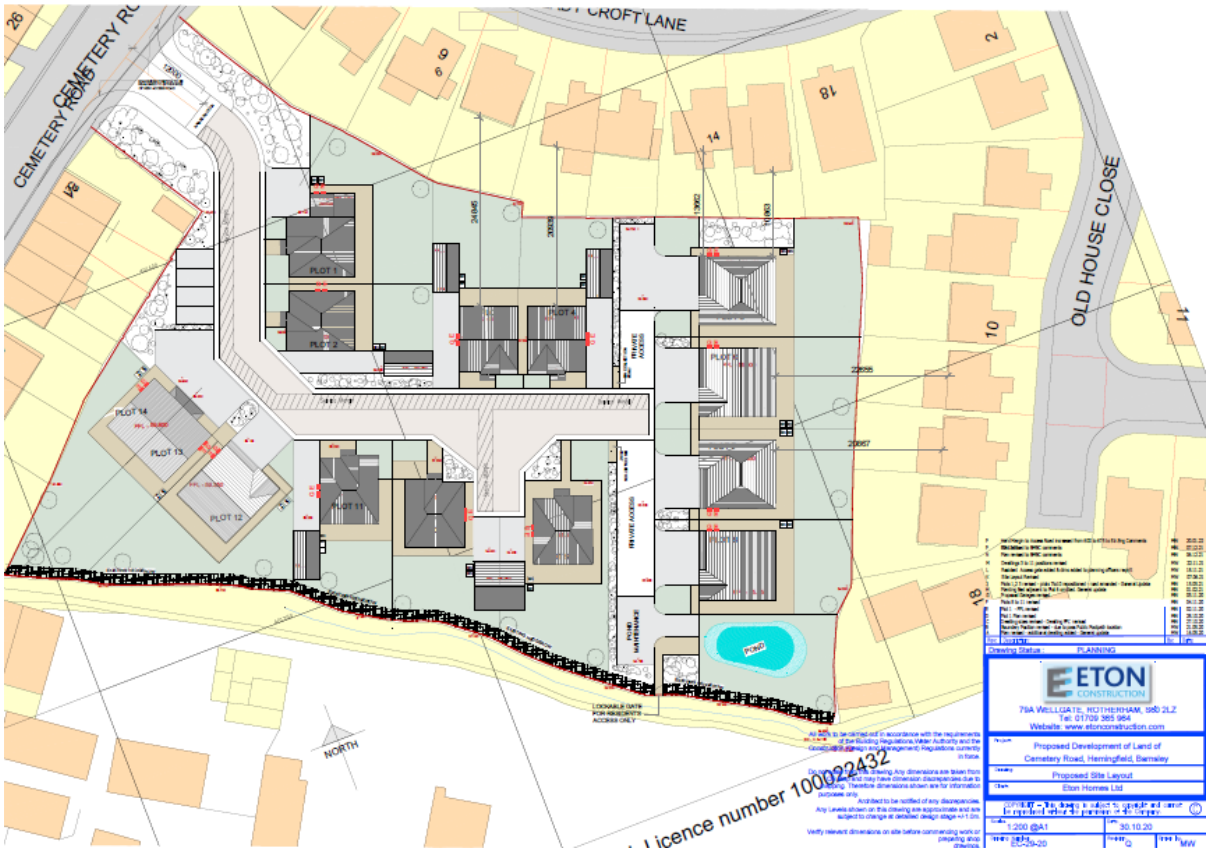
The following sets out the general approach to eliminate, mitigate and manage dust and noise emissions in relation to the above development during the Construction Phase and in pursuant to the discharge of the planning condition imposed upon the Proposed Development, here on in referred to as Cemetery Road Hemmingfield, the Proposed Development.

Benefits of an Environmentally friendly site

An environmentally friendly site will help to establish good relationships between the contractors, regulators, local residents and others in the construction process, thereby helping projects to run smoothly. Benefits will be felt at both corporate and project levels and include:

- lessening of the impact on local air quality
- reduction in the soiling of property, thereby reducing the costs of cleaning
- reduction in the level of complaint from local residents
- reduction in the number of environmental offences and hence prosecutions by Local Authorities
- less time and money wasted in defending prosecutions and repairing environmental damage
- demonstration of improved margins
- reduction in the site engineer's workload by avoiding conflicts
- potential for increased future business
- enjoyment of the benefits of increased profit.

The site is located



Description of Project

Construction of 12 detached & 2 semi-detached houses at Cemetery Road Hemmingfield Barnsley S73 0PT

Duration of Works

78 weeks

General Description of Works to be Carried Out

- Demolition of Existing Structures
- Installation of Sewers and Services
- Groundwork's
- Dwelling Construction
- Internal Finishes
- External Finishes
- Landscaping

Nominated Representative

A member of the principal contractor Eton Construction will be nominated as the 'nominated representative' responsible for the implementation pf the dust and noise mitigation strategy and will fulfil this duty on a day-to-day basis. It will be this person's responsibility that the dust and noise mitigation measures are implemented on a day to day basis.

It will be this person's responsibility to ensure:

- The dust mitigation measures are implemented on site.
- The dust monitoring is carried out as set out in this protocol; and
- The remedial action in the event that the trigger levels are exceeded, as detailed below; and
- The results of the monitoring are reported to The Local Authority

Site Activities

Noise and Dust generating activities may occur during the construction phase of the development and all the efforts will be made to eliminate, mitigate this.

Working Hours

All construction works will be carried out during the hours of 0800 to 1800hrs Monday to Friday with no work being planned for Saturday, Sundays or bank holidays.

Due regard will be given to activities that have potential to generate noise and will be carried out at times which are less likely to cause nuisance to all.

Local Resident Liaison.

Eton Construction will issue local residents a newsletter which will advise of forthcoming activities. It is our intention to continue this policy throughout the construction phase. We will also supplement this activity with letter drops to advise of any unusual activities as they may occur.

Potential Receptors to Dust & Noise

- Neighbouring properties
- General public
- Operatives

Meteorological Setting

The prevailing wind would be southwest and therefore predominately any dust and noise would travel over neighbouring properties on Cemetery Lane & Lady Croft Lane.

Dust-Assessment of Potential Risk: Construction Phase

The initial demolitions, excavations and groundworks could result in air borne dust

Additionally, movement of plant and equipment and disturbance of running surfaces has the potential to generate air borne dust.

The general construction activities have also the potential to generate dust through the day-to-day activities in three different categories:

1. Silica Dust-Concrete/Masonry etc.
2. Non Silica Dust-Plasterboard
3. Wood Dust-Skirting Architraves/Kitchens etc.

Dust Control

Element	Dust Mitigation and Control Methods
Communications	• Develop a stakeholder communication plan • Display name and contact details of responsible person for dust issues on site boundary. • Display Office contract information
Dust Management	• Implement a dust management plan to be approved by the local authority.
Site Management	• Record all the complaints and incidents and resulting actions in a log book. • Record any exceptional events. • Liaise with other high risk construction sites within 500meters to ensure plans are co-ordinated.
Monitoring	• Undertake daily on and off-site visual inspections. • Increase frequency of inspections during periods of high-risk activities or in dry periods • Agree monitoring protocol with Local Authority if required.

Preparing and Maintaining the Site	• Use site layout to locate activities away from sensitive receptors. • Reduce storage of dusty materials to minimum. • Minimise emissions from stockpiles by covering or damping down.
Construction Traffic	• Sheeting and containment of delivery vehicles. • Produce a Construction Logistics Plan to manage delivery of goods. • Record inspections of haul routes in the site logbook. • Access to the site via paved areas • Regularly sweeping of access roads using water assisted dust sweepers. • Damping Down during dry periods • Limiting Vehicle speeds • Switching off all engines when not in use
Measures specific to Excavations	• Minimize drop heights when loading and off loading • In dry periods damp down general area • Sheeting and containment of the loads immediately
Cutting-Masonary/Concrete	• Cutting equipment will use water as a dust suppressant. • Dust extraction units will be fitted to equipment wherever possible and site personnel will ensure equipment is in good working order. • Face fit dust masks will be provided to Operatives.
Cutting- Wood- Carpentry/Kitchens	• Dust extract equipment will be fitted to all saws. • Face fit dust masks will be provided in accordance with the agreed Risk Assessments and method statements.
General Construction Activities	• Effective barriers around dusty activities. • Site will not allow run off of water or mud onto the public highway. • The need for dust masks will be risk assessed and implemented in accordance with the agreed method statements. • Ensure suitable cleaning materials are available at all times to clean up spills.
Waste Management	• Only use registered waste carriers to remove waste off site.

	• No bonfires on site. • All floor plates will be cleaned regularly damping down as required during the brushing process. • Waste Bins will be made available at all levels. • A central waste management area will be located at ground level -Material will be sorted and segregated off site. • Rubbish Skips will be covered • Use enclosed chutes and conveyors.

Noise Control

Noise can emanate from a wide variety of sources across all activities:

Source of Noise	Noise Mitigation and Control Methods
Construction Traffic/Plant and Equipment Tools	• Switching off all the engines when not in use. • All vehicles to be fitted with silencers • All Plant and Equipment will be in good working order, regularly serviced and maintained. • All plant and equipment will be used in an efficient way by training personnel. • Stationary plant will be cited with the consideration to the local environment and those likely to suffer nuisance as consequence. • All equipment will be selected with due regard to the noise emission's levels and ear protection will be worn in accordance with the manufacturers and hirers recommendations our as stated within the agreed method statement and Risk Assessments.
General Construction Activities	• Site Management will manage and control all activities and personnel on site. • All personnel will be inducted and will be aware of the requirements to minimise noise. • Regular tool box talks will be given to ensure risks and the need to wear ear defenders are fully understood.

Noise & Dust Monitoring.

We propose to undertake dust and noise monitoring using hand held optical analyser dust monitors and noise meters to determine dust levels at specified locations at known times during the working day. All equipment will be fully calibrated, and in good working order at all times. Monitoring will always be carried out by a competent member of the Eton Construction site staff, with daily logs being maintained throughout the construction period.

We propose to establish three monitoring locations, which will be adjacent to the main existing residential areas in the closest proximity to our site boundary. The monitoring equipment will be situated in a local approximately 1.2 t0 1.5 meters above the local site level, taking the possible effects of any local screening or reflection in account. The calibration and battery levels of both meters will be recorded at the beginning, and each monitoring session.

We will obtain background noise and dust levels during periods of non-activity on site. If the record levels exceed the agreed target trigger levels, we will bring this to the local authorities attention, with the view that alternative target levels may be set.

Monitoring will be undertaken at each specified monitoring location. Data will be gathered during the normal site operation.

We will feel it will not be necessary to carry out the dust monitoring during periods of significant precipitation. All such periods will be recorded in the site log sheets.

Prevailing weather conditions, including wind direction and speed, temperature, incidence of precipitation and degree of cloud cover, will be recorded and logged during each monitoring session.

Wind speed and direction will be recorded using a portable anemometer and compass.
Eton construction recognises the need to monitor the effect of dust and noise on the workforce And record their findings accordingly and wherever possible ensure that exposure is eliminated, minimised or if unavoidable the right protective measures are adopted.

Proposed Monitoring Locations

Residential areas adjacent to the junctions at:

Station 1 TBC

Station 2 TBC

Station 3 TBC

Monitoring Process	• Visual monitoring of downwind site boundaries on a regular basis. • Monitoring using meters and acting on empirical data recorded. • Stop works as required and take mitigation measures. • Review and up-date dust control measures as required. • All personnel will be inducted and / or trained as required.

Complaints Procedures

Eton construction will clearly display contact details in prominent locations, at various points Around the site boundary.

Eton construction will keep accurate records of any complaints received.

We would propose that we will advise the Local Authority Environmental Protection Team of any Complaints received and how we have addressed them.