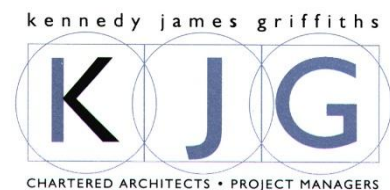


1660PL1:CEMP

Construction Environmental Management Plan

Proposed Residential Development
Kelvedon Street
Newport



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1.0 Introduction

1.1 Purpose

This document has been prepared in support of an application to discharge Condition 3 of Planning Consent AKPA/ 24/0756, for the construction 30 no apartments along with associated parking and external areas at Land Formerly Known As 21 Kelvedon Street Newport.

The Plan has been prepared by the KJG in conjunction with the developer/contractor of the project (MVR Solutions Ltd). It is intended to demonstrate how the impact of the construction works on adjacent neighbours and the environment generally will be controlled and minimised.

The intention is that this CEMP will be partially approved by the Council as part of any condition discharge with a requirement that the contents of the document to be adhered to by any selected contractors during construction works.

Whilst the Plan concentrates on the specific works identified in the Planning Application it could also be applied to any periodic external maintenance works which will be required at some stage and will not be subject to a formal planning application.

The principal aims of the CEMP are the protection and conservation of the natural and historic environment and protection of users of the environment within and adjacent to the proposed development during construction.

This document should be read in conjunction with the Site Management Plan, included in Appendix B of this document.

1.1. Scope

This CEMP covers the principal construction activities identified at the time of Planning Application. The key elements of this CEMP include:

- Overview of the proposed development and associated construction programme;
- Prior assessment of environmental impacts;
- Minimisation of potential impact through design and other mitigation measures;
- Monitoring of effectiveness of mitigation measures;
- Corrective action procedure; and
- Links to other complementary plans and procedures.

In summary, this document identifies how commitments made in the initial assessment will be translated into actions on-site and includes a schedule for implementing the actions through allocation of key roles and responsibilities.

The Planners have also identified certain issues that need to be specifically addressed within the CEMP and as set out below:

Condition 3:

- Construction methods: details of materials, how waste generated will be managed.
- General Site Management: details of the construction programme including timetable, details of site clearance; details of site construction drainage, containments areas, appropriately sized buffer zones between storage areas (of spoil, oils, fuels, concrete mixing and washing areas) and any watercourse or surface drain.
- Soil Management: details of topsoil strip, storage and amelioration for re-use.
- CEMP Masterplan: details of the extent and phasing of development; location of landscape and environmental resources; design proposals and objectives for integration and mitigation measures.
- Control of Nuisances: details of restrictions to be applied during construction including timing, duration and frequency of works; details of measures to minimise noise and vibration from piling activities.
- Resource Management: details of fuel and chemical storage and containment; details of waste generation and its management; details of water consumption and wastewater.
- Traffic Management: details of site deliveries, plant on site, wheel wash facilities
- Pollution Prevention: demonstrate how relevant Guidelines for Pollution Prevention and best practice will be implemented, including details of emergency spill procedures and incident response plan.
- •Details of the persons and bodies responsible for activities associated with the CEMP and emergency contact details

- Landscape/ecological clerk of works to ensure construction compliance with approved plans and environmental regulations.;

Condition 6:

- Construction traffic routes, including provision for access to the site
- Entrance/exit from the site for visitors/contractors/deliveries
- Location of directional signage within the site
- Siting of temporary containers
- Parking for contractors, site operatives and visitors
- Identification of working space and extent of areas to be temporarily enclosed and secured during each phase of demolition/construction
- Temporary roads/areas of hard standing
- Schedule for large vehicles delivering/exporting materials to and from site and details of manoeuvring arrangements
- Storage of materials and large/heavy vehicles/machinery on site
- Measures to control noise and dust
- Details of street sweeping/street cleansing/wheelwash facilities
- Details for the recycling/disposing of waste resulting from demolition and construction works
- Hours of working
- Phasing of works including start/finish dates

These requirements are addressed in this document as set out in Section 8:

The Principal Contractor will have responsibility for ensuring compliance with the CEMP throughout the construction phase and updating and reviewing the CEMP in relation to specific activities as necessary. The Contractor will be expected to designate a suitably qualified site operative to oversee environmental aspects of the CEMP and liaise with the CA as necessary.

All contractors will be responsible for working in accordance with the environmental controls documented in this CEMP. The overall responsibility for implementation of the CEMP will lie with the 'Applicant', which is MVR Solutions Ltd and Newport City Homes Housing Association.

This CEMP has been designed with the objective of compliance with the relevant environmental legislation and the commitments for mitigation measures documented therein and in particular BRE guide '*Control of Dust from Construction and Demolition Activities*'.

The following sets out the identified parties and their roles within the contract works:

Developer/Employer

MVR Solutions Ltd
Address: Felnex Industrial Estate, 4A Mariner Way,
Newport NP19 4PQ
Telephone: 01633 281200
Client
Newport City Homes
Nexus House
Mission Court
Newport
NP20 2DW

PRINCIPAL CONTRACTOR (CDM)

MVR Solutions Ltd
Address: Felnex Industrial Estate, 4A Mariner Way,
Newport NP19 4PQ
Telephone: 01633 281200
Emergency Contact details:
Name: Jon Moore
Number: 07979 240073

ARCHITECT

Kennedy James Griffiths.
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Telephone: 029 20545100.
E-mail: ceri@kjg.uk.com

QUANTITY SURVEYOR

MVR Solutions Ltd
Address: Felnex Industrial Estate, 4A Mariner Way,
Newport NP19 4PQ
Telephone: 01633 281200

STRUCTURAL ENGINEER

Intrado
Address: 63/69 Castle House, Cardiff Rd, Taffs Well,
CF15, 7RD
Telephone: 07855 530066
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MECHANICAL AND ELECTRICAL ENGINEER

Name: Brunel Integrated Services Ltd
Address: The Old, Post Office, 2 Church Ln, Coalpit
Heath, Bristol BS36 2SP
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E-mail: nick.hare@brunelservices.co.uk

PRINCIPAL DESIGNER
Kennedy James Griffiths.
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CF64 2AH..
Telephone: 029 20545100.
E-mail: ceri@kjg.uk.com

LANDSCAPE CLERK OF WORKS
DP Landscapes
Telephone: 01446 773 861
E-mail: info@dpla.co.uk

2.0 The Development and Construction Programme

2.1. Overview of the Proposed Development

The Proposed Development comprises the construction of 30 no. Apartments along with associated external amenities and parking areas.

The extent of the works is shown in the Planning approval drawings and amplified in further drawings included within the Planning Application submitted by Kennedy James Griffiths. These drawings are:

- 1660PL1 01 Location Plan
- 1660PL1 04G Proposed Site Plan
- 1660PL1 05B Proposed Floor Plans
- 1660PL1 06F Proposed Elevations
- 1660PL1 07F Context Site Section
- 1660PL1 10B RPZs
- Landscape Management Plan

The site is accessible off Kelvedon Street, an adopted Highway and the proposed building is set out parallel to the back of pavement on Feering Street

Construction Traffic Access will be via an existing crossover on Kelvedon Street as shown on the Site Management Plans included in Appendix B.

2.2. Construction Programme

The current expectation is that construction of the Proposed Development would take approximately 78 weeks.

Allowing sufficient time to discharge planning conditions and meet the requirements of the CDM Regulations to adequately prepare a suitable Health & Safety Plan, it is anticipated that the works will commence at the end of January 2026 with an anticipated Completion Date of September 2027, although this may change subject to discharge of pre commencement planning conditions.

During Construction, the Principal Contractor will be responsible for programming the works and setting working hours. The Client has not placed any specific constraints on working hours other than a requirement to adhere to guidelines set down by the Local Environmental Health Department and the HSE. The proposed site working hours are therefore:

(i) Construction Hours

No development, (including land raising and demolition if required) shall be carried out other than between the hours of 08.30 and 18.00 Monday to Friday and between the hours of 08.00 and 13.30 on Saturdays.

Should any works that will produce significant noise be required during construction the contractor is to contact the Local Authority Environmental Health Officer to agree suitable start times which are likely to be later than the 7.30AM for general works.

(iii) Prior Approval - Out of Hours

Prior approval will be required for any construction to take place outside permitted times and on Sundays and Bank Holidays, where it would create noise audible at the boundary of any residential property.

The precise numbers of construction staff present on site will vary during the construction period, depending on the activities taking place. During the initial stages of demolition and groundworks the numbers will be limited. However, during final fitting out and M&E installations there will be considerably more workers on site as works can take place in multiple apartments at the same time.

3.0 Environmental Risk Analysis

The proposed construction works have been assessed to establish if a risk exists against a series of categories as set out below:

3.1. Air Quality

The assessment for air quality includes an assessment of the likelihood of dust and airborne contamination being generated by demolition, construction and delivery and transport activities. The assessment includes the potential impact on both site operatives and adjacent occupiers and neighbours.

The site has been evaluated as a Medium Risk site given the overall site size of 1,950m² and the potential for emissions and dust from site activities to have a medium impact on adjacent properties.

There is no demolition required on site other than the grubbing up of existing historical floor slabs and as such dust and noise from demolition is not an issue.

The building works themselves present a low risk of dust creation as the building is predominantly constructed from masonry and off site manufactured timber frame materials.

Internal finishes are not particularly dust generating although measures will need to be included to ensure that dust is managed during construction. This will include a careful assessment of materials needed to the development to reduce on site cutting and waste generation.

Dust generation by vehicles entering and leaving the site is dealt with in Section 3.6: Traffic, Transportation and Access.

3.2. Noise and Vibration

The site is located within an existing residential area and is bordered directly to the North East by Witham Street, which has residential properties facing the site on the opposite side of the street. To the South West the site is bounded by Feering Street which also has residential properties facing the site on the opposite side of the street. To the South East the site is bounded Kelvedon Street, which has a pharmacy and industrial units on the opposite side of the road.

None of these locations present a significant issue in terms of noise and vibration.

To the North West the site is bounded by gable walls and gardens walls of residential properties on Feering Street and Witham Street. More consideration will need to be given to this boundary in terms of management of noise and vibration although the risk of harm is small.

The site construction works should not create excessive noise over and above that expected from a typical construction site and measures to control noise generated are set out below.

3.3. Ecology

The site is currently predominantly covered with old hardstanding's and demolition arisings .

There are 3 street trees adjacent to the site which will need to be considered during construction.

Requirements for the protection of these trees during construction works are included in the approved Arboricultural Impact Assessment. Appropriate fencing and protection will be provided during the works.

3.4. Cultural Heritage and Archaeology

The Pre-Application Planning process did not identify any potential for the site to be of historical or archaeological interest and as such no measures for their protection are identified. However, the Principal Contractor is to be aware of their responsibilities should anything be found during site excavations.

3.5. Ground Conditions

An intrusive site Investigation has been prepared to support the discharge of Planning Condition 4 . A copy of the report can be made available at any time.

The SI Report requires the notification of the Developer if any unforeseen Ground Contamination is identified during the construction works together with the submission of a suitable mitigation strategy to remove or manage such contamination. The Contractor will be advised of this requirement (by this CEMP) and will adhere to the requirements of the Condition.

The Client will monitor the situation on site to ensure that the Contractor meets their obligations under the relevant condition.

3.6. Traffic, Transportation and Access

Access to the site is obtained from both Kelvedon Street via an existing crossover and site gates. This opening is wide enough to accommodate site traffic and will be used for the majority of the construction works until a new, wider access is formed towards the end of the construction period.. Kelvedon Street and its connections to the wider road network are reasonably wide and the roads are suitable for larger vehicles making deliveries to site.

The site is currently fenced on all sides with a robust palisade fence. This will be left in place, and netted, during the construction works to provide site security and to prevent vehicular access to the site from Feering Street and Witham Street, which are smaller residential streets.

A dedicated haul road will be identified on site, with a turning head to ensure vehicles can enter and leave site in forward gear. This is to be used as access to delivery vehicle parking/unloading areas as shown in Appendix B. Goods will be unloaded from delivery vehicles via on board cranes or by a site based telehandler all within the site

Whilst there are no specific restrictions for off site delivery routes, all suppliers will be encouraged to access the site from the site via Corporation Road to avoid the Air Quality buffer zone to the North of the site.

There will be limited parking on site for operatives and the contractor is to put in place measures to enable site operatives to attend site without using immediately adjacent streets for parking.

Given the above it is not felt that site operative traffic and general deliveries will present a significant problem during the works.

Large deliveries may present a short-term issue and will need to be carefully managed at site level.

The creation of dust and transfer of mud etc. from the site will possibly be an issue and this will need to be addressed by the Principal Contractor as set out below.

3.7. Landscape and Visual

There are no significant landscape or visual constraints to the site.

4.0 Site Context, Location of Facilities and Phasing

Organisation of the construction site will be important in delivering mitigation of the risks identified above.

4.1. Location of Facilities

The location of site facilities is shown on the Site Management Plan (1660:PL1;SM) included in Appendix B of this document. The main elements are described below.

The main Contractor's compound including offices and welfare facilities is to be along the Northwestern boundary adjacent to a row of on site staff parking spaces accessed from the dedicated site access road.

Consideration is to be given to the houses on Witham Street when orientating these site cabins to minimise any future impact on residents. Overlooking windows to be avoided if possible.

A site access road will be provided within the site which will be coordinated with safe pedestrian routes to facilitate the safe loading and unloading of construction materials and movement of operatives on site.

The access road will be formed from clean stone at the start of site works and will be maintained for the duration of the works until the site levels need to be raised to meet the requirements of the FCA. Further details are included in Section 5.2 Traffic Management. Wheel washing facilities will be provided at the site entrance.

Materials storage will be at the northern end of the site in a dedicated materials compound with appropriate internal fencing/barriers.

Site security generally will be by the retention of the existing palisade fencing that runs around 3 sides of the site. The remaining, northern, boundary is formed by existing gable walls and garden walls of adjacent properties. These will be protected by Heras fencing that will remain for the duration of the works.

Within the materials area will be dedicated oil and fuel storage areas that will be bunded to minimise the risk of spillage of harmful materials.

Site parking for limited staff will be provided along the north western boundary with Witham Street until the raised car park is constructed towards the end of the construction works.

4.2. Pasing of the works

A full method statement for the phasing of the construction works is a requirement of Condition 6 of the Planning Consent. This document covers the following items, which are also included in various sections of this document:

- Construction traffic routes, including provision for access to the site
- Entrance/exit from the site for visitors/contractors/deliveries
- Location of directional signage within the site
- Siting of temporary containers
- Parking for contractors, site operatives and visitors
- Identification of working space and extent of areas to be temporarily enclosed and secured during each phase of demolition/construction
- Temporary roads/areas of hard standing
- Schedule for large vehicles delivering/exporting materials to and from site and details of manoeuvring arrangements
- Storage of materials and large/heavy vehicles/machinery on site
- Measures to control noise and dust
- Details of street sweeping/street cleansing/wheelwash facilities
- Details for the recycling/disposing of waste resulting from demolition and construction works
- Hours of working
- Phasing of works including start/finish dates

Construction phasing will be the responsibility of the appointed contractor. However, they will be required to adhere to the basic principles set out in this CEMP (Section 4.1 below) and the Phasing plans included in Appendix B of this document

Following the removal of all previous demolition arisings and other accumulated material on site to a licenced tip, the site will be stripped to formation level and all surplus material will be stockpiled on site to be used to raise the site levels required to meet the requirements of the approved FCA.

There is limited topsoil on site as identified by the SI. As such management of existing topsoil is not a significant issue to be controlled by this CEMP. However, the contractor is to make themselves aware of the following document should there be any areas of topsoil that do exist: *Construction code of practice for the sustainable use of soils on construction sites*.

Wheel washing facilities will be provided at the main site entrance ensure that mud and site debris is not transferred to the adjacent roads. This wheel wash will be maintained for the duration of the works. The wheelwash areas will include measures to ensure that soiled water cannot run off on to the Public Highway. All wash down water is to be retained on site and allowed to permeate to ground.

Following the initial site strip a layer of imported clean stone will be laid over the exposed site to provide a clean base for site parking, circulation and material storage areas.

The site compound and welfare facilities will be installed at an appropriate point during the initial works at the NW corner of the site.

The apartments will be constructed in phases as agreed with the contractor and as shown generally on the phasing drawings in appendix B.

Sub structure works for the building including any required piling will be carried out following the installation of a piling mat. This will be retained as part of the fill material below the raised ground floor level of the apartments.

Once the foundations are completed the Ground floor slab will be formed to take the installation of the timber frame upper floors.

The timber frame, including the roof structure, will be erected by a dedicated sub contractor. Cranes will be required and these will be located as shown on the phasing plans. All required licences will be obtained by the relevant parties and a detailed lifting plan will be prepared.

Following completion of the timber frame, internal fit out works will progress within the building.

During construction there will be a requirement for scaffolding to be erected. This can be accommodated within the site boundary so no particular approvals or licences will be required.

Once the apartments are nearing completion the site compound will be disbanded and welfare facilities will be located within one of the units to allow the completion of the access ramp, road and parking areas.

At an appropriate point in the construction programme the general car park levels will be raised and the SUDs drainage solution will be installed followed by the finishes to the car parking and general external areas.

Finally the landscaping will be installed at the earliest appropriate time.

5.0 Specific Mitigation Measures

5.1. Traffic Management

Access to the site is obtained from Kelvedon Street only as set above. There is limited on street parking in the vicinity of the site and the Contractor is to ensure that all site operatives are aware of this to ensure that there is no illegal parking in the area.

Following initial site set up there will be space available on site for limited parking, on the north western side of the site prior to the raising of the car park levels and the contractor will put in place management controls for this parking to ensure that it allows for delivery vehicles to access the site as and when required.

The contractor will ensure that a banksman is available during all deliveries that need to cross the existing pavement to ensure the safety of the public.

All deliveries will be coordinated to ensure that they occur outside peak traffic flows to minimise disruption to local residents and the traffic network in general.

Given the confined nature of the site the contractor will carefully manage on site storage of materials which will reduce the need for large delivery vehicles.

During construction the following additional procedures will be implemented to minimise the impact on local residents:

- Suppliers will be provided with delivery restrictions, information and timescale information prior to an order being placed.
- Upon confirmation of a delivery, the details will be added to the "Deliveries Board" on site. The details will also be recorded on the electronic system in advance to ensure single delivery accommodation and co-ordination with waste removal.
- The number of deliveries will be minimised by accumulating smaller orders into larger lots to reduce traffic movements, unless this results in significantly larger delivery vehicles.
- It is the intention to use smaller vehicles whenever possible, so there will be NO reversing of vehicles onto the road network.
- The largest anticipated delivery vehicle will be for floor beams and timber frame panels. Discussions have taken place with the suppliers and they have confirmed that the max size of delivery vehicle will be a 7 tonne flatbed lorry approx. 9.2m long for the beams and a 10.5m rigid for the panels. These vehicles can access the site using the semi constructed access road that runs through the site.
- Kerbside loading from Feering Street or Witham Street will not be permitted during the works. All deliveries will be unloaded using the on site unloading area shown on the site management area. All vehicles will be able to enter and leave site in a forward gear without turning on site.
- A lifting plan will be implemented in relation to all lifting operations involving lifting equipment.
- All lifting operations will be undertaken in accordance with lifting operations and lifting equipment regulations 1998 (LOLER)
- Vehicle engines are switched off whilst unloading or stationary,

- No localized waiting. Deliveries will be turned away if a vehicle is already unloading or if the arriving vehicle has not been booked in within agree time slot.
- A dedicated Wheel washing facility will be provided on site at the entrance/exit location (see Appendix B). All vehicles that enter the site will be inspected before they leave and wheels and chassis cleaned as appropriate.
- The wheel wash location is at the edge of the site to limit the chance of wheel becoming dirty before exiting the site. Drainage for the wheel wash will be controlled and restricted to the site area to ensure no run off of dirty water onto the highway.
- Whilst this facility will be important during the early stages of the project, once a mat of clean stone has been provided over the full site the risk of mud/dirt contaminating vehicle wheels will diminish substantially.
- Surrounding streets will be swept regularly to ensure that there is no mud or debris on the Public Highways or footpaths. Contractor to inspect the roads daily and establish cleaning regime.

5.2. Dust Suppression measures

Dust has been identified as a potential risk from the demolition of the existing building and grubbing up of slabs/yards in particular. The generation of dust from these activities is to be mitigated in accordance with the requirements set out below:

Generally, adhere to the principles set out in the HSE Construction Information Sheet 36: Construction Dust, included in Appendix A. and also BRE guide '*Control of Dust from Construction and Demolition Activities*',

In particular, the following strategies are to be employed during all construction and demolition works:

Site Planning

Erect barriers to site Boundary: To minimise spread of dust and suppress any potential noise site fencing consisting of heras and netting (or existing solid fences/walls) will be provided/retained to the entire perimeter of the site. Fencing will be maintained during construction until all potential dust generating activities have been completed.

Plan site Layout: Ensure that any dust generating activities, wherever possible, are located away from boundaries and carried out in accordance with requirements listed below.

Hard Surface Haul routes: prepare the site during construction to minimise muddy or dusty vehicular circulation areas. Either maintain existing hard surfaces, or if being used as recycled material, ensure that an appropriate layer of clean stone/recycled aggregate is used for internal site trafficked areas. These areas are to be regularly damped down during dry weather to minimise dust.

Construction Traffic

Switch Off engines: All vehicles on site are to switch off engines and are not to 'idle' on site. This will reduce noise and minimise potential air pollution.

Wheel Cleaning: All vehicles are to be inspected before leaving site and if required the wheels and underbodies are to be cleaned with a suitable wheel washing facility for the duration of the works. The external road may require cleaning regularly and damped down during dry periods to minimise dust.

Covered Loads: All loads entering and leaving site are to be covered (wherever practicable) to minimise dust creation.

Demolition Works

Damping Down: Use water as a dust suppressant during demolition activities that generate dust. Pre-wash work surfaces. Screen off work areas. Vacuum up all dusty residue rather than sweeping away.

Cutting Equipment: All equipment should use water suppressant or suitable local exhaust ventilation systems. Use dust extraction techniques where available. Service all fans and filters regularly to ensure they are properly maintained. When materials, such as concrete slabs or bricks, are cut with a power tool without extraction or suppression, a second worker can pour water from a plastic bottle over the material as it is being cut. This greatly reduces the amount of dust generated and can stop the occurrence of a statutory nuisance.

Cover skips and stockpiles: Completely enclose skips whenever possible. Hard surface areas where skips are to be stored. Reduce drop heights by using variable height conveyors or chutes. Regularly damp down surfaces with water.

Sheet and screen building: Sheet and screen buildings with suitable material and where possible strip inside buildings before demolition begins.

Removal of materials from site: Materials should be removed from site as soon as possible. If stored, whenever possible keep stockpiles or mounds away from the site boundary, sensitive receptors, watercourses and surface drains. Wherever possible, enclose stockpiles or keep them securely sheeted.

Hazardous Materials: Under the Control of Substances Hazardous to Health (COSHH) regulations, 2002, contractors must ensure that they take into account risks to the workforce from exposure to any harmful substances generated by work activities. Construction sites are often associated with activities that emit volatile organic compounds (VOCs), such as use of paints, adhesives, bitumen products and concrete and timber treatments. Emphasis should be placed on preventing or reducing emissions at source and where this is not possible personal protective equipment may be appropriate.

Site Activities

Minimise dust generating activities: Cutting, grinding and sawing will be minimised on site; prefabricated material and modules will be brought to site wherever practicable.

Use Water as a dust suppressant: Use water as a dust suppressant during construction activities that generate dust. Pre-wash work surfaces. Screen off work areas. Vacuum up all dusty residue rather than sweeping away. Water sprays, 'Dust Boss' type equipment and pressure washers (which can be used to generate a fine airborne mist) will be used during construction work and other activities that generate a high level of dust.

Burning: No burning is permitted on site.

Sand, Grit and Shot Blasting: Use agreed wet processes, sheet areas to contain dust and use silica-free material.

Planing and sanding: Use fans and/or filters, dust suppression techniques and water sprays.

Fitting out: Fit all machinery for activities such as plastering, sanding or rendering with dust suppression/collection equipment. Vacuum all waste material.

Welding and soldering: Follow control measures in HSE guidance notes EH54 and EH55.

Tarmac laying and use of bitumen: Do not overheat bitumen and cover pots. Use great care in all processes to prevent spillages and extinguish any accidental fires immediately.

Cutting Equipment: Cutting, grinding and sawing will be minimised on site; prefabricated material and modules will be brought to site wherever practicable. If cutting is required, all equipment should use water suppressant or suitable local exhaust ventilation systems. Use dust extraction techniques where available. Service all fans and filters regularly to ensure they are properly maintained. When materials, such as concrete slabs or bricks, are cut with a power tool without extraction or suppression, a second worker can pour water from a plastic bottle over the material as it is being cut. This greatly reduces the amount of dust generated and can stop the occurrence of a statutory nuisance.

Enclose stockpiles or keep them securely sheeted: Completely enclose skips whenever possible. Hard surface areas where skips are to be stored. Reduce drop heights by using variable height conveyors or chutes. Regularly damp down surfaces with water.

Concrete crushing: Ensure concrete crushers or concrete batchers have permits to operate: Notify the local authority if a crusher is to be used as it has a duty to inspect the process. Keep a copy of the permit on-site and adhere to the conditions therein at all times. Ensure material is damped down as it exits crushing machinery to minimise dust.

Manage on and off site vehicular routes: Use agreed wet cleaning methods or mechanical road sweepers when necessary. Provide hardstanding areas for vehicles and regularly inspect and clean these areas.

Excavation and earthworks : All dusty activities should be damped down, especially during dry weather. Temporarily cover earthworks if possible. Minimise drop heights to control the fall of materials

General Housekeeping: Good housekeeping measures (i.e. regular sweeping, cleaning, vacuuming etc..) will be adopted and implemented to ensure the construction site is kept in good order. Cement, sand, fine aggregates and other fine powders will be sealed after use and if necessary stored in sealed containers or silos. Where appropriate, materials will be kept damp to avoid drying out.

Dust Control Monitoring: Other than the monitoring activities outlined above, it is not anticipated that routine monitoring to assess environmental nuisance will be required during construction works, provided the control measures outlined above are put in place. However, in the event of a complaint, the Contractor will take appropriate action to deal with the problem.

Air Quality management Procedures: In addition to the above the following management practices are to be adopted during demolition and construction work:

- Display the name and contact details of person(s) accountable for air quality and dust issues on the site boundary. This may be the environment manager/engineer or the site manager.
- Display the head or regional office contact information
- Record all dust and air quality complaints, identify cause(s), take appropriate measures to reduce emissions in a timely manner, and record the measures taken.
- Make the complaints log available to the local authority when asked.
- Record any exceptional incidents that cause dust and/or air emissions, either on or off-site, and the action taken to resolve the situation in the log book.
- Undertake daily on-site and off-site inspection, where receptors (including roads) are nearby, to monitor dust, record inspection results, and make the log available to the local authority when asked. This should include regular dust soiling checks of surfaces such as street furniture, cars and window sills within 100m of site boundary, with cleaning to be provided if necessary.
- Carry out regular site inspections to monitor compliance with the CEMP, record inspection results, and make an inspection log available to the local authority when asked
- Ensure all vehicles switch off engines when stationary – no idling vehicles.

5.3. Noise mitigation measures

To ensure construction activities do not cause nuisance to local residents/neighbours the Principal Contractor shall follow construction best practice standards as outlined in BS 5228: 2009.

The Contractor is also to be aware of the following legislation that affects noise at work or on construction sites:

- Health and Safety at Work etc. Act 1974
- Control of Noise at Work Regulations 2005
- Control of Pollution Act 1974 and Environmental Protection Act 1990

BS 5228: 2009, provides practical information on noise and vibration reduction measures, and promotes, “best practice means” approach to control noise and vibration. Best practice activities that may be adopted to address both noise and vibration include the following:

Planning the works

Contractor should take due regard of the following when planning the works:

- Site layout, e.g. location of static noise sources, and use of site buildings, material dumps, etc., as ad hoc barriers;
- Types of machinery likely to be used and whether alternative types or techniques would achieve less disturbance.
- Ensure, where possible, that static items such as generators, are sited away from boundaries and where necessary noise control means, such as barriers, enclosures or silencers are utilised to further reduce noise.
- Ensure that all noise generating equipment is regularly and appropriately maintained.

The Contractor is to inform neighbours when specific noisy activities that may have vibration impacts are to take place. Good neighbour relations are recognised as an important factor in reducing the likelihood of nuisance or damage. Contractor is to provide a contact number for a suitable site operative to all immediate neighbours to enable any complaints to be dealt with at an early stage.

Execution of the Works

The hours of working should be planned and account should be taken of the effects of noise upon persons in areas surrounding site operations and upon persons working on site, taking into account the nature of land use in the areas concerned, the duration of work and the likely consequence of any lengthening of work periods.

Where reasonably practicable, quiet working methods should be employed, including use of the most suitable plant, reasonable hours of working for noisy operations, and economy and speed of operations. Site work continuing throughout 24h of a day should be programmed, when appropriate, so that haulage vehicles will not arrive at or leave the site between 19.00 h and 08.00 h. nor outside of any other times set out on page 3 of this document.

Noise should be controlled at source and the spread of noise should be limited.

On those parts of a site where high levels of noise are likely to be a hazard to persons working on the site, prominent warning notices should be displayed and, where necessary, ear protectors should be provided.

Control of Noise at Source

As a minimum, the following procedures and measures should be adopted on site and for specific site based operations:

- avoid unnecessary revving of engines and switch off equipment when not required;
- keep internal haul routes well maintained;
- use rubber linings in, for example, chutes and dumpers to reduce impact noise;
- minimize drop height of materials;
- start up plant and vehicles sequentially rather than all together.

The movement of plant onto and around the site should have regard to the normal operating hours of the site and the location of any sensitive neighbours as far as is reasonably practicable.

The use of conventional audible reversing alarms has caused problems on some sites and alternatives are available. Audible reversing warning systems on mobile plant and vehicles should be of a type which, whilst ensuring that they give proper warning, have a minimum noise impact on persons outside sites.

When reversing, mobile plant and vehicles should travel in a direction away from boundaries whenever possible. Where practicable, alternative reversing warning systems should be employed to reduce the impact of noise outside sites.

5.4. Pollution Control measures

The following points (not exhaustive) indicate general pollution prevention measures that will be implemented on Site during the works:

- Any material or substance which could cause pollution, including silty water, will be prevented from entering surface water drains by the use of and appropriate placement of straw bales, silt fences, cut-off drains, silt traps and drainage vegetated areas where appropriate.
- All refueling will be carried out in the designated compound which will be located as far away from any watercourse or drainage connection as is possible. Irrespective of the buffer distance and location of refuelling, drip trays and spill kits will be available in accordance with standard best practice across the construction industry.
- Areas of waste, oil/fuel / chemical storage and permanent refuelling will be located as far away from the any drainage paths as is possible. Such storage areas will be appropriately sited to prevent the downward percolation of contaminants to natural soils and groundwater. (double-bunded containment in use)
- Fuel, oils and chemicals will be stored on an impervious base within a bund able to contain at least 110% of the volume stored. Rainwater will not be allowed to accumulate within the bund and in any way compromise the required 110% volume capacity.
- Site compounds, parking areas and turning areas and vehicle and equipment washing areas are to be sited at least 10 metres from watercourses.
- All waste and stockpiled materials will be stored in designated areas and isolated from any surface drains.
- A Personnel Site Induction will make specific reference to required pollution prevention measures as detailed in the guidance discussed above.
- All works will be carried out in accordance with best practice and will aim to prevent deterioration in the ecological status of surface waters and to avoid compromising the restoration potential of such waters.
- In the event of a pollutant spillage on site, the material will be contained (using an absorbent material such as sand or soil or commercially available booms).

5.5. Details of Temporary lighting

The Temporary lighting for the site is to be designed by the Principal Contractor's electrical designer to provide adequate light to ensure the safety of site operatives without causing undue nuisance to adjacent properties.

Lighting for on site workers should comply with HSE Guide HG38: Lighting at Work.

The following requirements are to be included in any design, location and operation of on site temporary lighting to ensure the amenity of adjacent properties/neighbours:

- Lighting to be time controlled to suit hours of site working (limited nighttime lighting permitted for security purposes).
- All lights to be located at the perimeter of the site facing inwards and angled towards the ground to minimise potential light overspill.
- All lights at high level (on posts) to have suitable shrouds/guards to prevent upwards light spill.
- Wherever possible temporary site lighting to be located on boundary fence below 2m to provide protection to neighbours from light overspill.

5.6. Details of enclosure of working areas

To minimise spread of dust and suppress any potential noise heras fencing containing netting will be erected around the perimeter of the site on the existing palisade boundary fencing.

This netting is to be maintained during construction until all potential dust generating activities have been completed.

5.7. Recycling and Disposing of Waste

In order to control the waste on site the Principal Contractor will undertake a skip segregation system to separate the main waste streams on site, prior to them being taken to a waste facility for recycling.

In order to manage and monitor the waste process, waste streams will be estimated and monitored and goals set with regards to the waste produced.

All waste to be removed from site will be undertaken by fully licensed waste carriers and taken to licensed waste facilities.

A waste storage and collection facility is to be located close to the main delivery access to reduce the travel on site of collection vehicles, this is shown on drawing 1660:CMP:01.

In addition, the following measures are to be adopted:

- Order only the amount of materials needed as accurately as possible;
- Arrange for 'just in time' deliveries to reduce storage and material losses;
- Ensure that deliveries are rejected if damaged or incomplete;
- Make sure storage areas are safe, secure and weatherproof (where required);
- Store liquids away from drains, burns and in bunded areas to prevent pollution;
- Ensure options for the use of reclaimed and recycled construction materials that meet the required specification are considered;
- Recycle suitable spoil, demolition materials, pruning's and surplus construction material arising from the works on site to avoid the need to transport materials.
- Keep the site tidy to reduce material losses and waste;
- Promote good practice awareness as part of Health & Safety induction/training for workers onsite.

5.8. Dilapidations

Prior to commencement of the works the Contractor will carry out a full photographic (or video) survey of the site including all adjacent premises and the footpaths and highways across the site frontages. This survey shall be provided to the Contact Administrator who shall confirm that the contents are sufficient before demolition of construction works commence.

Particular attention is to be paid to the likely vehicular entrances/exits to the site as all highways and footpaths will need to be reinstated to a standard acceptable to the local Highways Authority. This is likely to be a requirement of any Highways agreements for new crossovers etc.

5.9. Consultation

The Contractor will provide full contact details of a site representative with the authority to control the works. Occupants of the adjacent properties will have access to these details and will be able to advise of any adverse impacts.

Regular discussions will be arranged to ensure that all neighbours are kept up to date with the timing and programming of the works. Wherever possible works will be programmed to minimise any impact or disruption to the adjacent residents.

The contractor is to prepare a monthly newsletter for neighbours, setting out the planned programme of activities for the upcoming period and noting any activities that are likely to have an impact on residents.

The first newsletter, prior to commencement, will clearly set out how residents can get in touch with the contractor and the means of resolving any complaints.

6.0 Complementary Plans and Procedures

In addition to this CEMP, a suite of complementary plans and procedures have been developed to mitigate the environmental impacts associated with the proposed development. These plans and procedures build on the principles and procedures detailed in this CEMP, and include:

- Principal Contractor's Waste Management Plan

7.0 Monitoring

The Principal Contractor is to appoint a designated Environmental Site Officer to check, monitor and report on the strategies employed to implement the requirements of the CEMP. This will most likely be the site manager in control of the overall site.

The Environmental Site Officer will need to be on site generally at all times and will be the point of contact for neighbours who have concerns or complaints regarding any environmental impacts as a result of the construction activities.

The Environmental Site Officer will be required to prepare a written report included in the Contractor's Progress Report to be submitted at each monthly progress meeting as set out in the Contract Preliminaries. The report should list all noisy activities planned for the next month and list any complaints or contacts made on any environmental matter during the previous month.

The Environmental Site Officer (ESO) will be responsible for advising neighbours of any forthcoming activities that could have the potential to cause nuisance and should include details of all such contacts/conversations in the monthly report.

The CA is to be advised immediately of any complaint made to the Environmental Site Officer, or any other site operative.

The ESO is to be responsible for ensuring that all sub contractors are aware of the contents of the CEMP and is to ensure that it is covered in all site inductions and tool box talks.

The ESO is to ensure that, where appropriate, any requirements of the CEMP are included within the Construction Stage Health & Safety File which is to be maintained on site for inspection by the PD and CA whenever required.

8.0 Specific Planning matters

The following tables indicate where in this document the matters raised in Conditions 5 and 6 are addressed:

Condition 3:

Item description	Location of response
General Site Management: details of the construction programme including timetable, details of site clearance; details of site construction drainage, containments areas, appropriately sized buffer zones between storage areas (of spoil, oils, fuels, concrete mixing and washing areas) and any watercourse or surface drain	See Sections 4.0, 5.0 and Appendix B

Soil Management: details of topsoil strip, storage and amelioration for re-use	See section 4.2
CEMP Masterplan: details of the extent and phasing of development; location of landscape and environmental resources; design proposals and objectives for integration and mitigation measures	See Appendix B, Site Management Plan and section 4.1
Control of Nuisances: details of restrictions to be applied during construction including timing, duration and frequency of works; details of measures to minimise noise and vibration from piling activities.	See Section 5.0
Resource Management: details of fuel and chemical storage and containment; details of waste generation and its management; details of water consumption and wastewater	See Sections 4.0, 5.0 and Appendix B
Traffic Management: details of site deliveries, plant on site, wheel wash facilities	See Section 5.1
Pollution Prevention: demonstrate how relevant Guidelines for Pollution Prevention and best practice will be implemented, including details of emergency spill procedures and incident response plan	See Section 5.0
Details of the persons and bodies responsible for activities associated with the CEMP and emergency contact details	See Section 1.1 for Contact details
Landscape/ecological clerk of works to ensure construction compliance with approved plans and environmental regulations.	See Section 1.1 for Contact details

Condition 6:

Item description	Location of response
Construction traffic routes, including provision for access to the site	See section 5.1
Entrance/exit from the site for visitors/contractors/deliveries	See Appendix B, Site Management Plan and sections 5.1 and 5.2
Location of directional signage within the site	See Appendix B, Site Management Plan and section 5.1
Siting of temporary containers	See Appendix B, Site Management Plan and section 5.1
Parking for contractors, site operatives and visitors	See Appendix B, Site Management Plan and section 5.1
Identification of working space and extent of areas to be temporarily enclosed and secured during each phase of demolition/construction	See Appendix B, Site Management Plan
Temporary roads/areas of hard standing	See Appendix B
Schedule for large vehicles delivering/exporting materials to and from site and details of manoeuvring arrangements	See Section 5.1
Storage of materials and large/heavy vehicles/machinery on site	See Appendix B, Site Management Plan and Section 5.1
Measures to control noise, vibration and dust	See Section 5.2 and 5.3
Details of street sweeping/street cleansing/wheelwash facilities	See Section 5.1
Details for the recycling/disposing of waste resulting from demolition and construction works	See Section 5.7
Phasing of works including start/finish dates	See Section 2.2 and 4.1

9.0 Conclusions

This CEMP has provided a comprehensive list of mitigation measures and monitoring procedures for the proposed development.

As part of the monitoring process an Environmental Site Officer will be designated by the Principal Contractor, who will be present onsite throughout the construction process and when new activities are commencing, and will be responsible for ensuring the mitigation strategies identified in this document are implemented.

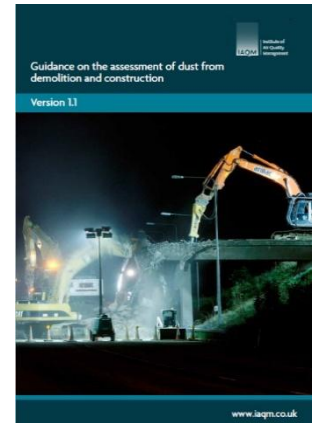
A brief report will be produced and submitted to the Employer at each monthly progress meeting and following completion of the monitoring programme. This will summarise the monitoring process, observed deviations from the CEMP and the corrective actions.

Appendix A: Guidance Documents

HSE Construction Information Sheet No. 36: Construction Dust

IAQM: Guidance on the assessment of dust from demolition and construction

IAQM: Guidance on Monitoring in the Vicinity of Demolition and Construction Sites



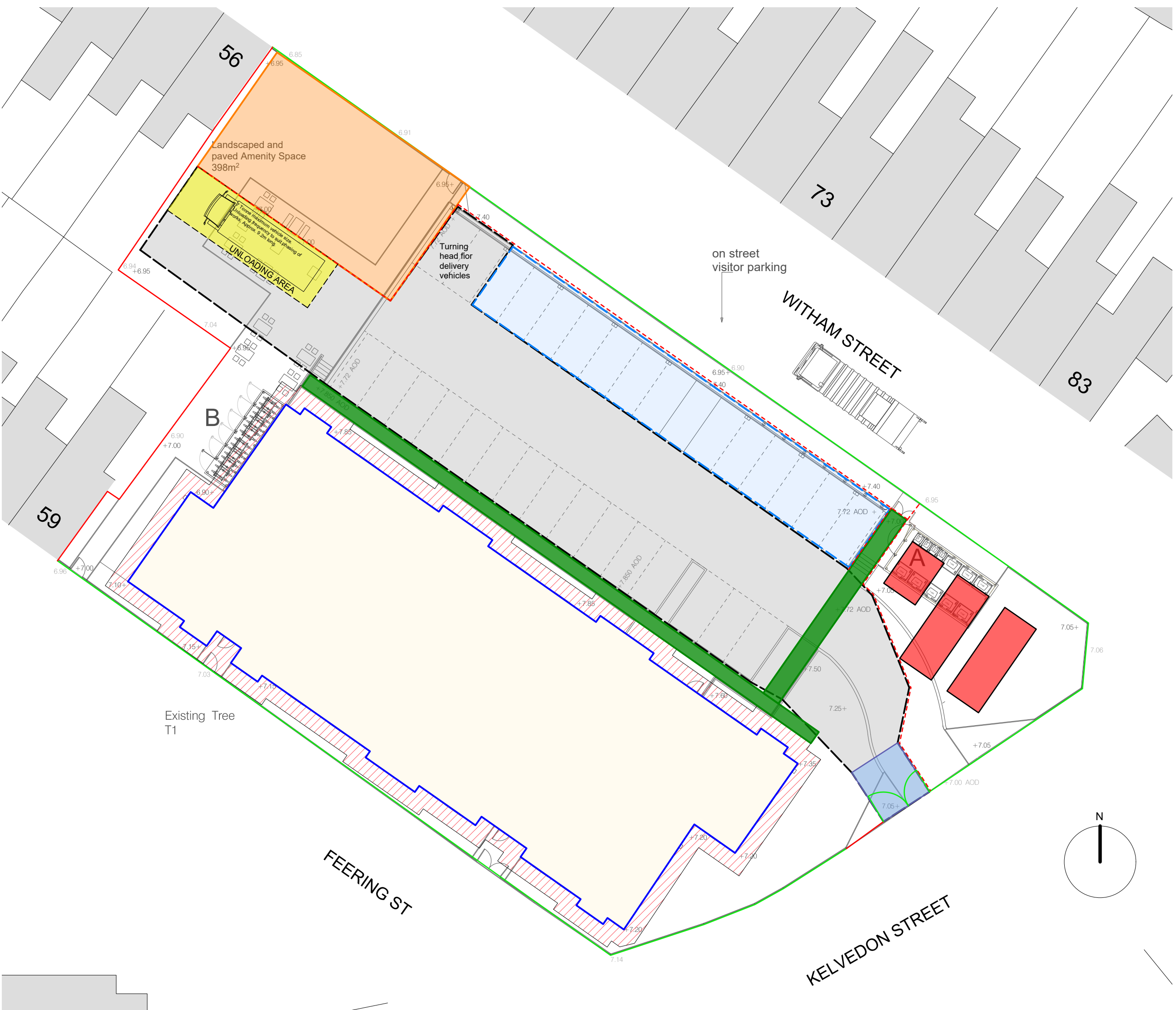
These documents are available to download at:

<http://iaqm.co.uk/text/guidance/construction-dust-2014.pdf>
http://iaqm.co.uk/text/guidance/guidance_monitoring_dust_2018.pdf
<https://www.hse.gov.uk/pubns/cis36.pdf>

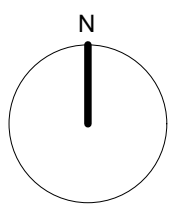
Appendix B: Construction Site Layout/Phasing

1660PL1-20, Site Management Plan showing site fencing, loading zones, contractor's compound etc.

Site Phasing drawings prepared by the contractor



- Site Hoarding: netting on existing pallisade fencing
- Site Hoarding: Heras fencing
- Scaffold area
- Proposed parking areas
- Proposed Buildings
- Unloading Area
- Site Cabins and amenities
- Site Access Road
- Site Compound Storage Area
- Pedestrian routes
- Wheel wash facilities



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Proposed Apartments
Kelvedon Street, Newport

Title
Site Managment Plan

Status
Planning Application

Job Number
1660-PL1-20

Date
25 09 2025

Scale @ A3
1:250

Drawn by
CKG

Use figured dimensions where possible. Do not scale for construction purposes.
This drawing is copyright.

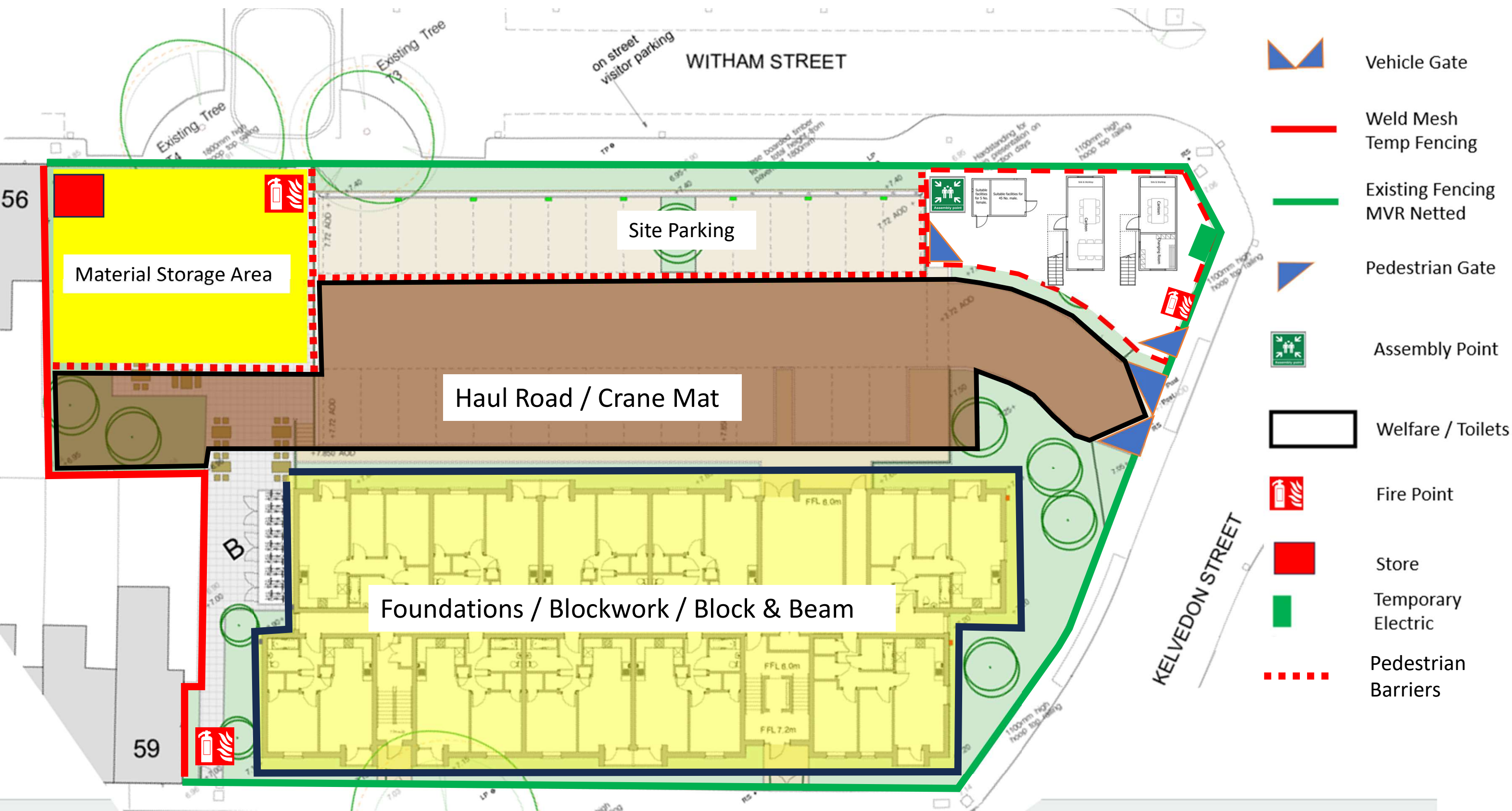
Kelvedon Street – Phase 1 – Enabling Works - Initial Site Set Up



Kelvedon Street – Phase 2 – Enabling Works – Piling Mat



Kelvedon Street – Phase 3 – Substructure – Foundations / Blockwork



Kelvedon Street – Phase 3 – Superstructure – Timber Frame

