

July 2020

+BOWMER KIRKLAND

N.O.M.A. Plot 14

**Planning Application Ref:
123437/FO/2019**

Construction Environmental Management Plan



Project Details	
Name	N.O.M.A. Plot 14
Address	4 Angel Square, Corporation Street, Manchester, M4 4DU

CEMP Approval	Prepared By	Reviewed By	Approved By
Name	Paul Smith, PIEMA	Paul Neilson	Manchester City Council through discharge of planning condition 6 of planning application 123437/FO/2019
Position	Environmental Advisor	Contracts Manager	
Date	6th August 2020	6th August 2020	

Issue	Date	Reason
P1	1st May 2020	Issue for Internal review
A	6th July 2020	Issue fto discharge planning condition
B	6th August 2020	Update to working hours

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1. Introduction

1. Introduction

This Construction Environmental Management Plan (CEMP) has been developed to identify the environmental mitigation measures and management controls to minimise the environmental impact from construction of the 11 storey building (plot 14)

Bowmer and Kirkland have implemented a Integrated Management System (IMS) which is externally verified by a UKAS accredited certification body, BM Trada to ISO9001, ISO 14001 and ISO 45001 (See [Appendix C](#)).

Quality

Bowmer and Kirkland recognise the importance of developing our business through continued improvements in quality. By consistent and effective implementation of a robust Quality Management System (QMS) we believe that we can add value to the project development process for the benefit of Clients and users of our buildings. Our Quality Management System complies with ISO 9001:2015, and delivers the objectives of our Quality Policy (see [Appendix B](#))

Environment

Bowmer and Kirkland are committed to sound management practices that minimise the potential effects of building activities on the environment. By encouraging the sustainable use of natural resources, minimising environmental pollution, reducing waste and encouraging recycling, we aim to contribute to improving the world in which we work and live.

We believe that a proactive approach for promoting awareness of environmental issues with our employees, together with our development of various environmental initiatives, helps us to grow an even more sustainable business of the future.

Bowmer and Kirkland's Environmental Policy (see [Appendix B](#)) sets out the company's strategy for minimising the environmental impact of our site and office operations. Through promoting the prevention of pollution, energy efficiency and the sustainable use of natural resources in all our construction activities and those of our sub-contractors, we endeavour to achieve a high standard of environmental performance.

Our Environmental Management System complies with ISO 14001:2015, and delivers the objectives of our Environmental Policy.

Health & safety and Well-being

Bowmer and Kirkland has the highest regard for the well-being of all persons involved in its activities and others who may be affected by them. We are committed to working with our Clients and external stakeholders to manage and control Health & Safety Risks. It is our belief that all accidents and occupational ill health can be prevented by adherence to our policies and procedures. We take a sensible, positive approach to Health & Safety.

Through the company's Health & Safety Policy (see [Appendix B](#)) the importance of discharging our statutory obligations and duties, and our leadership and commitment to effective Health & Safety management is defined. Best practice is accepted as a core aim throughout business operations and integral to maintaining a strong, positive safety culture. To facilitate this aim, the company the company's management system and procedures has gained accreditation to ISO 45001:2018

Corporate and Social Responsibility

Bowmer and Kirkland is underlining its commitment to sustainability through compliance with BS ISO 26000:2010 (see certificate in [Appendix C](#)). This Standard presents a framework for Bowmer and Kirkland to ensure that socially responsible behaviour is incorporated into its existing policies, procedures, and performance. Bowmer and Kirkland has a strong commitment to ethical practices in its business operations and hopes to strengthen these through a more rigorous assessment of its social responsibility policies. Adherence to the Standard will create multiple benefits, not only improving the company's environmental credentials and enhancing its brand reputation, but also supporting more cost-effective business practice to build a long-term competitive advantage. Engaging staff to improve the company's environmental performance can also improve employee motivation and bring sustainability into mainstream corporate communications. Meanwhile, monitoring environmental performance can present an insight into potential risks and opportunities to the business.

1. Introduction

Bowmer and Kirkland have been engaged to undertake construction of an 11 storey building with external terrace to form a mixed use development in accordance with the planning application 123437/FO/2019

This CEMP has been produced to discharge planning condition 6 of planning application 123437/FO/2019.

6) *Prior to the commencement of the development, a detailed construction management plan outlining working practices during development shall be submitted to and approved in writing by the local planning authority, which for the avoidance of doubt should include;*

- *Display of an emergency contact number;*
- *Details of Wheel Washing;*
- *Dust suppression measures;*
- *Compound locations where relevant;*
- *Location, removal and recycling of waste;*
- *Routing strategy and swept path analysis;*
- *Communication strategy with residents which shall include details of how there will be engagement, consult and notify residents during the works;*
- *Parking of construction vehicles and staff; and*
- *Sheeting over of construction vehicles.*

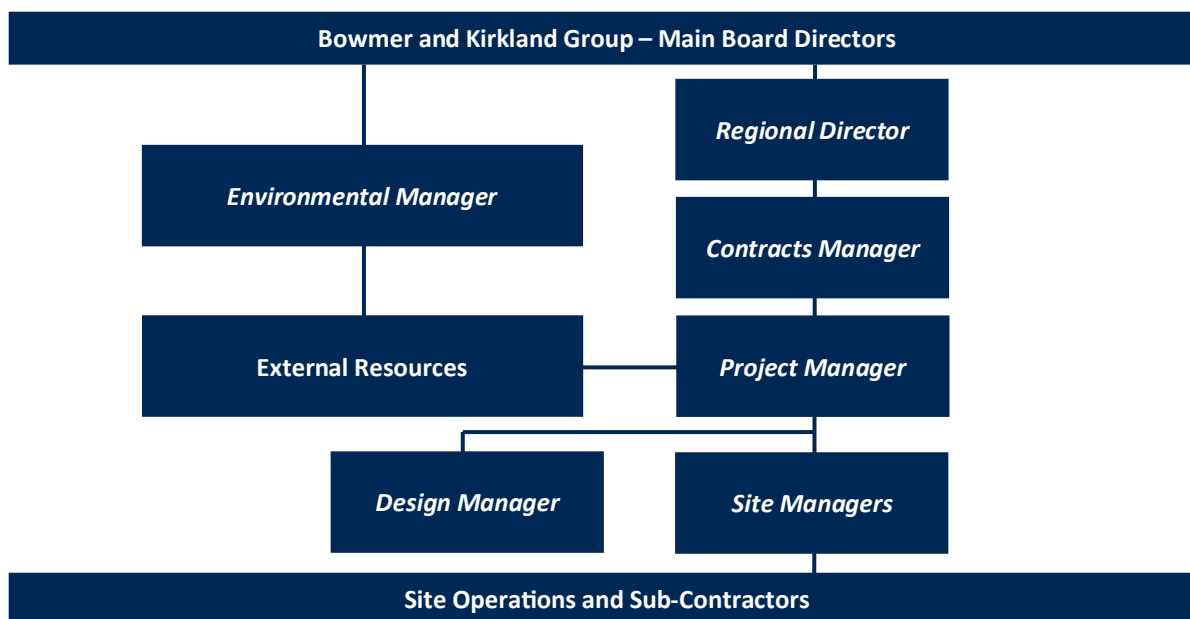
The development shall be carried out in accordance with the approved construction management plan.

Reason - To safeguard the amenities of nearby residents, highway safety and air quality, pursuant to policies

In addition the measures identified in the CEMP, Bowmer and Kirkland intend to ensure the implementation of sound environmental management practices for all issues by the implementation of their Environmental Management System (EMS) in the project. Bowmer and Kirkland's EMS is registered to meet the requirements of ISO14001:2015 by a UKAS accredited certification body, BM TRADA (Certificate No. 1133 included in **Appendix C** of this document).

2. Organisation and Responsibilities

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Regional Director

The Regional Director takes overall responsibility for all projects conducted by the construction region responsible for delivering the project and will visit the site on a regular basis.

Contracts Manager

The Contracts Manager (CM) takes Senior Management Responsibility for the overall project. The Contracts Manager will not be permanently on site but will visit the project 2-3 days per week to ensure the requirements of this CEMP and Bowmer and Kirkland’s IMS are fully implemented and effective. The Contracts Manager will conduct a formal inspection of the Site Operations on a monthly basis to assess the adequacy of Health, Safety and Environmental controls.

The Contracts Manager along with the Project Manager is responsible for liaison with the public and community groups during construction. The Contracts Manager will manage communication with the public and wider community which will include meetings, notices, news-letters and site visits as appropriate. This includes overseeing the resolution of any complaints raised relating to nuisance during the work.

Project Manager

The Project Manager is responsible for the day to day management of the project and will be permanently on site during the works. This includes the selection of competent sub-

contractors and the inclusion of control measures in their sub-contracts. The Project Manager, in conjunction with the Site Managers, will monitor the works on a daily basis to ensure the specified controls are implemented and effective. In addition, the Project Manager will ensure that the project is inspected on a weekly basis for compliance with Health, Safety and Environmental compliance. The Project Manager will assist the Contracts Manager in liaison with the public and community groups during construction. The Project Manager will assist in communication with the public and wider community which will include meetings, notices, news-letters and site visits as appropriate. This includes assisting with the resolution of any complaints raised relating to nuisance during the works.

Design Manager

The Design Manager is responsible for the management of the design consultants to ensure that the project specification is established in accordance with project requirements, building regulations and relevant standards. The Design Manager will be permanently on site during the early stages of the project and will visit site regularly during the later stages of the project. The Design Manager will liaise with relevant parties on the final scheme design and ensure advice is provided to the Project Manager on the potential impact of proposed construction methods.

2. Organisation and Responsibilities (Continued)

Site Managers

Site Managers are based permanently on site during the works, the number of site managers will vary depending on the construction output. The Site Managers are responsible to monitor the implementation and effectiveness of the specified controls on a day to day basis. This includes the induction of all sub-contractor's operatives and liaison with their management should improvements be required. The Site Managers, under instruction from the Project Manager, will formally inspect the works on a weekly basis for compliance with Health, Safety and Environmental compliance.

Environmental Manager

The Environmental Manager takes overall responsibility for the organisational legal compliance of the Bowmer and Kirkland Group of Companies. This includes ensuring our EMS recognises current regulatory and other requirements and the specified controls are effective in achieving compliance, preventing pollution and reducing the environmental impact of the organisation. The Environmental Manager will monitor the compliance of the project from information provided by external resources (see below) and site visits ensuring the project is audited internally at least once.

External Resources

The following resources are employed by the Bowmer and Kirkland Group:

RG Wilbrey Consultants – conduct Health, Safety & Environmental inspections of the project bi-weekly

Adler & Allen – provide pollution response 24/7 mobilising resources where required

Cardinal Environmental – provide legislation updates and specialist legal advice where required.

Complaints Procedure

Although the measures set out within this CEMP are intended to minimise the impacts of construction and ensure that neighbouring residents are informed of the construction programme and timescales, it is possible that complaints may be raised concerning construction. As previously detailed, contact details and information concerning construction will be provided to local residents, and the Site Managers will be available to meet and explore issues with concerned parties directly via appointment.

Any complaints received will be taken seriously and addressed immediately by the construction team and designated Site Managers. All complaints that are received will be reviewed in regular site meetings to ensure that any required actions are communicated to all employees, as appropriate.

3. Scope of Work

3. Scope of Work

Construction of an 11 storey building with external terrace to form a mixed use development comprising office use (Use Class B1) and ground floor commercial units (Use Classes A1, A2, A3, A4, B1 and D2); creation of a new public square and associated landscaping, undercroft car and cycle parking, provision of plant and servicing and related access and highways' works and associated works.



Fig 1 – Location Map (taken from [google.com/maps](https://www.google.com/maps))

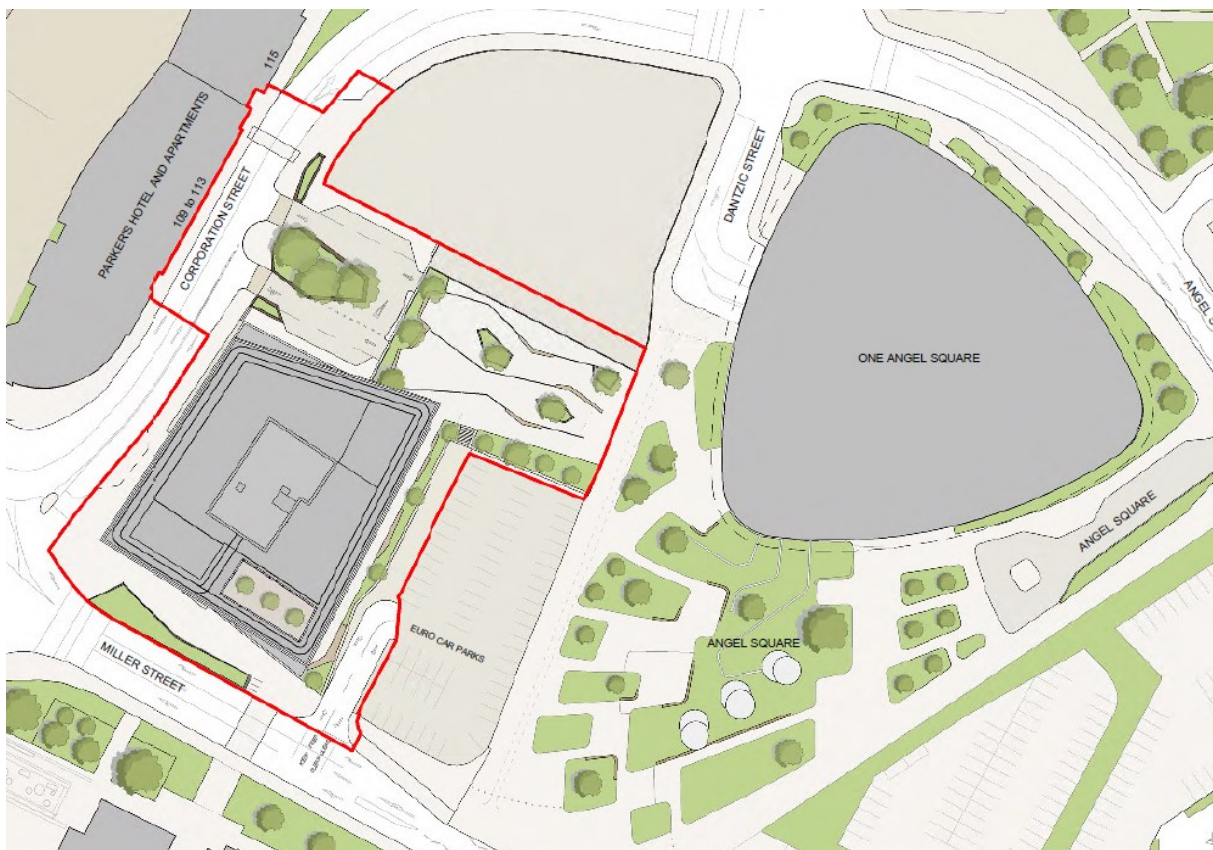


Fig 2 – Proposed Site Plan

4. Environmental Impacts

4. Environmental Impacts

The following table summarises the current key features on and around the development site which may be impacted by Bowmer and Kirkland's operations. In assessing the significance of the impact potential on these receptors we have taken into consideration reports received to date and publicly available information. The impact severity will be re-assessed the specialist reports have been available information.

		Potential Impact Severity								
Receptor	Description	Noise	Vibration	Dust	Fumes	Visual	Physical Harm	Flooding	Pollution	Heritage
General Community	The site located within NOMA, a business and entertainment development known for its landmark contemporary architecture, including the glass-walled One Angel Square office tower. See appendix A	M	M	M	L	M				
Residential Neighbours	The nearest residential property is Parkers Hotel Apartments located opposite the site on Ring Road to the east of the site.	M	M	M		M				
Land	A ground investigation report has been issue by Bu-roHappold Engineering (March 2019). Further intrusive site investigation is required to be carried out to determine presence of any ground contamination. A subsequent remediation strategy may also then be required.								M	
Ecology	ERAP Consultant Ecologists have been appointed by the client for the project, an ecological survey (including bat survey) was undertaken in February 2019, the site was deemed to be low ecological value and no signs of bats were recorded on site or within buildings. No other protected species were detected. No further mitigation required for construction.									
Water Course	The nearest water course is the River Irk, located 127m to the north west. There are no known direct path ways to this receptor.		L	L			L	L	L	
Building Users	The building will be used by the employees and worked on by maintenance staff. There are no pre-existing contaminants, no harmful materials will be used in the construction of new facilities.						L	L		

KEY:		Insignificant		Low		Medium		High
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5. Environmental Mitigation

5. Environmental Mitigation

In order to reduce the environmental impact of the construction phase of the development Bowmer and Kirkland propose to implement our Environmental Management System (EMS) for the project. Our EMS is registered to meet the requirements of the international standard ISO14001 by a UKAS registered certification body, BM TRADA (see [Appendix B](#) for certificate). Bowmer and Kirkland's EMS includes standard controls to mitigate the environmental impact of our activities during normal construction operations. Site specific environmental issues requiring project specific mitigation have been considered and are summarised in the following table, these mitigation measures will be further detailed as the CEMP is developed on the receipt of further information:

	Potential Impact								
Description	Noise	Vibration	Dust	Fumes	Visual	Physical Harm	Flooding	Pollution	Heritage
Workings Hours / Delivery Hours Working and deliveries hours for external construction activities on project will be restricted as follows: Construction: 07:30 – 18:00 Mon to Fri Construction: 08:30 – 14:00 Sat There will be no works on Sundays or Bank Holiday, Where normal construction activities are expected to exceed these working hours then the MCC will be informed in writing at least 10 days prior to commencing works. Newsletter drops to the local area will also be implemented during construction.	✓	✓	✓	✓					
Statutory Nuisance - Vibration To minimise issues caused by vibration during construction, Best Practicable Means will be employed in accordance with BS5228:2009 Part 2 that gives guidance on vibration levels that could be used to assess the likely impacts of construction activities, on the environment and people. The foundation solution will require CFA piling, which will cause the least vibration during construction. Any complaints with regards vibration will be recorded and managed any additional mitigation will be actioned to reduce the impact for construction activities as per BS 5228:2009 part 2.		✓							
Traffic Management Traffic Management Plans have been included in Section 6 . All deliveries will be booked in with Bowmer and Kirkland’s Site Management who will avoid slots at peak hours. Road will be kept clean by the provision of wheel cleaning facilities and road sweepers as required.	✓	✓	✓	✓	✓	✓		✓	✓
Waste Management Bowmer and Kirkland will apply the waste hierarchy to the project to minimise waste production and subsequent landfill burden. No waste removed from site will be permitted to leave without the provision of an adequately completed waste transfer note and copy of valid waste carrier licence for the person removing the waste and environmental permit for the site where the waste is being taken. The burning of waste is banned on all B+K construction sites. In order to implement these requirements and monitor the amount of waste being produced by the project a Site Waste Management Plan will be prepared and maintained throughout the course of the construction phase.	✓	✓	✓		✓	✓	✓	✓	

5. Environmental Mitigation (Continued)

Description	Potential Impact							
	Noise	Vibration	Dust	Fumes	Visual	Physical Harm	Flooding	Pollution
Statutory Nuisance – Dust The control of dust is a prime concern for all construction projects, particularly during periods of dry and windy weather, there are also ecological receptors which may be impacted by dust. During construction, it is anticipated that the primary air pollution emissions will be associated with dust generated from plant movement on site. The following mitigation will be implemented during the project: • Daily Inspections for dust emissions from the site. • Dust suppression will be used where risk of dust is high particularly in dry weather periods. • All waste materials stored within skips • Dampening down of haul roads during dry periods will be carried out. • Construction activities such as cutting, grinding and sawing will be carried out with the required local dust extraction in place, this will be at least a class L extraction. Where ever possible cutting booths will be used to control noise and dust. • Mud and debris on the road is regarded as one of the main environmental nuisances and safety problems arising from construction works. All vehicles removing spoil and debris from the Site will be fully sheeted to minimise the risk of any debris over spilling onto the highway. • The use of road sweepers will be utilised at the site exits to control the risk of mud on Local highways supplemented with cleaning of wheels as required (see Section 6). A road sweeper will also be used in wet weather periods to remove any deposited debris on local highways / access roads to the site. • The Site Managers will undertake daily inspections of the site to ensure that dust control measures are complied with.			✓					
Spillage Emergency Planning An emergency plan for spills of fuels, oils or other CoSHH materials will be prepared for the project and briefed to all operatives. All minor spills will be cleared and consigned off site as hazardous waste. An emergency response contractor, Adler and Allan, will be retained to attend site in the event of a major spill or spill which may affect any water course.						✓		✓
Lighting Construction phase lighting shall be designed to minimise effects beyond the site boundary. Where possible site lighting will be LED which virtually eliminates upward glare, alternatively lights will be shrouded / pointed downward. All lighting will be pointed inwards to the site and away from ecological receptors. Lighting plans will be developed in order to avoid spill onto the northern tree belt.					✓			

5. Environmental Mitigation (Continued)

Description	Potential Impact							
	Noise	Vibration	Dust	Fumes	Visual	Physical Harm	Flooding	Pollution
Statutory Nuisance - Noise To minimise issues caused by noise during construction, Best Practise Means will be employed in accordance with BS5228:2009 Part 1 during each phase of the project. Working hours will be as agreed with the LPA. Where construction activities may exceed these agreed times then the LPA and local community will be notified. Daily noise monitoring will be carried out for the sensitive receptors nearby and records maintained. The quietest and lowest impact processes that are reasonably practicable will be employed on-site in the undertaking of all construction works. Measures that will be implemented as a means of minimising noise include: • The quietest vehicles, tools and machinery shall be used as far as is reasonably practicable; • No power tools or machinery (excluding portable hand tools) will be permitted to start up on-site until after 08:30 Monday and 09:00 Saturdays. • Radios and other noise-generating devices are not permitted on site. • Keep voices and conversation outside of the perimeter of the Site to a minimum and low in volume; • No engines left running whilst vehicles are stopped on-site; • Local residents will be advised of the start and finishing dates and times of particularly noisy works (such as site clearance) and these will be timed to minimise the disruption to local residents as far as possible.	✓							

6. Construction Logistics

6. Construction Logistics

Site access will be from the access road from the Ring Road. Contractor and visitor parking, material storage and waste skips areas will be provided on site, this will be hard surface to reduce dust from site. (see full site phasing plans see **Appendix A**).



Solid timber hoarding will be erected around the boundary where the existing permeant fencing is not suitable. Heras fencing will be used form the tree portection areas within the site. (see full site phasing plans see **Appendix A**).

All site fencing including site boundary and ecological protection areas will be inspected on a daily basis by B+K Site Management and records maintained.

Site Security

Site Gate will be manned or locked at all times throughout the construction period, in accordance with the working hours. The Site frontage will be enclosed with solid hoarding (or use of existing palisade fence) and additional security gate. Secure vision panels will be incorporated to allow public viewing of the works.

The Site will be secured whenever construction personnel are not present on-site. A separate pedestrian access gate will be provided. Access to site will be via biometrics turn style control.

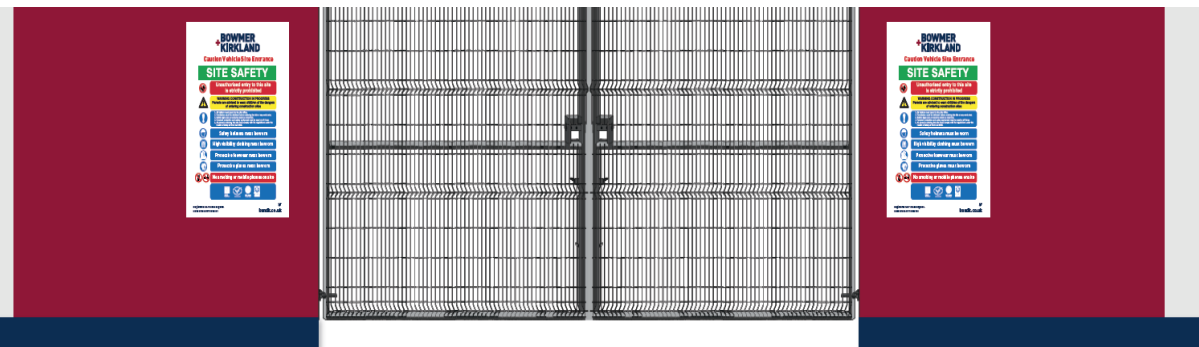
B+K Standard Hoarding Design



B+K Standard Pedestrian Access gate



B+K Standard Site Access Gate



6. Construction Logistics (continued)

The Gate Cabin will be the focal point for all vehicle entering / leaving the site. This will be the operational base for our security personnel who will manage access and egress from the site.

Contractors parking will be provided on site, this will be a clean stone surface during construction to reduce dust. (see [appendix B](#))

In order to reduce disruption to neighbouring businesses and residents during the construction periods we will take several steps to ensure as little impact as possible on the roads surrounding the site. These will include the following.

- All subcontractors will be advised of the requirement for site tidiness, and enforcement of this rule will take place.
- Newsletter drops to local community informing of progress and planned works.
- Should any local complaints arise about they will be dealt with promptly and courteously, and suitable compromises agreed wherever practicable, subject to the normal restrictions of construction sites.
- Provision for contractor / visitor parking will be provided on site, there is also a number of nearby public car parks and easy access to railway / tramline
- Minimise the accumulation of loose materials on site road by regular sweeping.
- Ensure bulk deliveries /collections are sheeted (where appropriate).
- Provide wheel washing facilities at site exit point as necessary.
- Gully guards will be used in the road gullies outside of the site to protect from silt runoff.

Due to the position of the project it is imperative we reduce the risk of any mud on the surrounding roads due to the construction process. The risk of this will be higher within the first 15 weeks of the project due to the nature of the works over this time. a wheel wash will be located prior to exiting the site and that any runoff is contained within the site.

Road sweepers will be utilised where required on the local road network throughout the project as a secondary precaution. We will have a dedicated person on site who will be responsible for ensuring construction vehicles chassis and wheels are clean prior to leaving site, this will be by means of a jet wash on a solid hard standing area prior to exiting the site, Gully Guards (or similar) will be used to protect existing road gullies

Storage of Materials

The site compound will be used for the Construction Material; additional areas of material storage will also be available in the proposed construction areas. (see site plans [Appendix B](#)). Some material will be used in construction areas directly from the transport for example, Steel works will be craned off and positioned for erection directly in construction area.

Materials will not be unloaded outside of the construction areas or site compound where possible.

If Unloading outside of the construction areas and site compound will be under control of a banksman and approval by B+K Site Management.

Vehicle Dwell Times

Construction delivery vehicles are not anticipated to be required on-site for a period longer than necessary to safely unload, depending on materials being delivered or collected. The Site Manager will allow sufficient times between deliveries to ensure that no vehicles arrive or depart at the same time, to minimise potential disruption to traffic flow on the surrounding local highway network.

6. Construction Logistics (continued)

Logistics Route

The proposed construction vehicle routing strategy to be employed for the duration of the construction programme is shown below. The routing strategy has been developed taking into consideration highway routes in the vicinity of the Site, sensitive receptors.

Routes to site

The site is located on the inner ring, there are multiple routes that can be taken for the Manchester Inner ring road.

From North & West (via A6 and M602 - Blue Route)

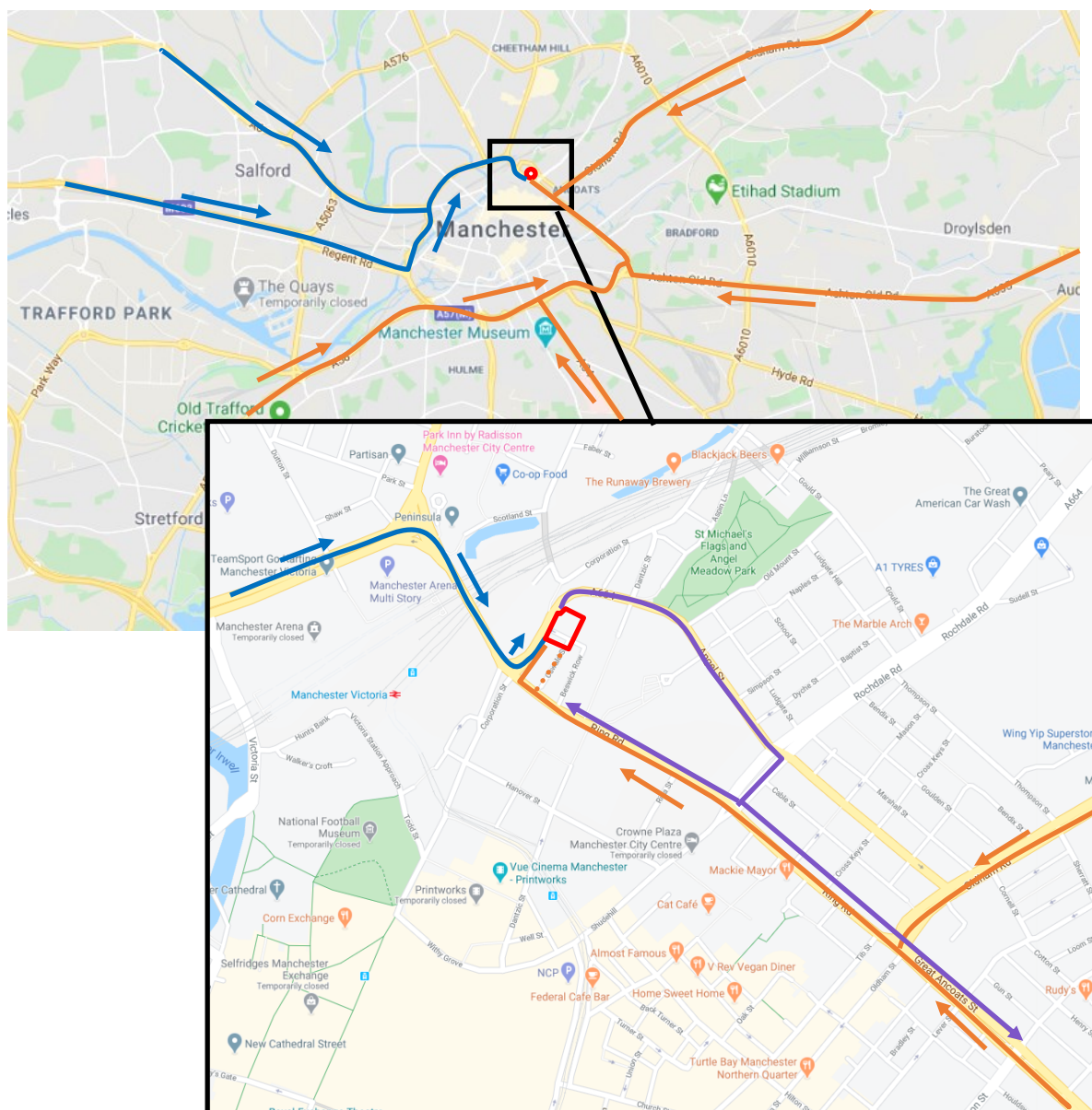
Turn left on to Trinity Way from the A6, continue to the junction for the Ring Road and turn right, continue over railway and left onto Ring Road (A664) site entrance will be in the right hand lane closure.

From South & East (via A57(M), A34, A56, A62 and A635 - Orange Route)

Form A57M, A34, A56, A62 and A635 continue on to Ring Road, then turn right on to Ring Road, site entrance will be in right hand lane, there is a secondary access on Oswald Street

Route From Site (Purple Route)

On leaving the site all vehicles will turn right on to Angle Street (One Way) then turn right onto Rochdale Street that will give access to North Bound ring road towards A6 and M602, or left towards A57(M) and other major routes to the south of the city.



6. Construction Logistics (continued)

Construction Vehicle Movements

The following table details the typical “Large Construction Vehicles” that may be required on site, these numbers will be dependant on the phase of works being undertaken., the numbers stated are indicative of the potential number of vehicle movements and will vary depending on construction programme phasing throughout the project.

For the avoidance of doubt, “Large Construction Vehicle” will be defined as any vehicle larger than a long wheel base transit type van (length 4.1m, width 1.7m, height 1.8m, payload 1200 – 1500kg). Vehicles below these specified dimensions will be defined as “General Construction Vehicles”.

Frequency of Large Construction Vehicles

Construction Activity	Type of Vehicle	Size of Vehicle	Number of Movements (Daily)
Groundworks	8 Wheel Tipper	10m x 2.4m	10
Muck Shift	8 Wheel Tipper	10m x 2.4m	15*
Foundations - Concrete	Concrete Mixer	7.5 x 2.5m	10
Structural Steel	Articulated /Flatbed	16.5m x 2.55m	8
Brick / Blocks	Rigid	10m x 2.55m	2
Envelope Cladding / Render	Articulated /Flatbed	16.5m x 2.55m	5
Roofing	Articulated /Flatbed	16.5m x 2.55m	4
Building Services & Fit Out	Rigid	10m x 2.4m	5
Landscaping	8 Wheel Tipper	10m x 2.4m	6
Hard Landscaping	8 Wheel Tipper	10m x 2.4m	4

*dependant on quantity of soils being removed

Types of large construction vehicles:

8 Wheel Tipper

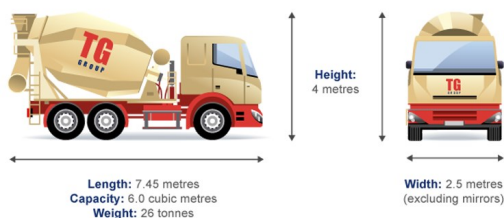


Rigid (<26 ton)

≤10m



Concrete Mixer



Articulated



Flatbed



7. Waste Management

7. Waste Management

Bowmer and Kirkland will record all waste generated on site in a SWMP. This will be used to report on the performance of waste management on the site.

Construction Waste - Waste from construction activities will be disposed through an appointed waste management contractor, appointment will be on the basis of their performance of recycling of mixed waste, it is Bowmer and Kirkland's target to achieve a 95% diversion from landfill.

The following principles will be employed:

- Pollution from waste will be minimised by using the correct and safe storage of the waste.
- Segregation of different types of waste as they are generated.
- Marking of waste containers clearly with their intended contents.
- Using containers suitable for their contents.
- Disposing of different wastes in the correct containers.
- Checking the condition of waste containers before use.
- Placing containers in impervious bunded areas (if required)
- Ensuring that containers are securely covered (If required)
- Preventing damage to materials during storage.

Prior to removal of any waste from site Bowmer and Kirkland will carry out the following Duty of Care checks:

- Valid waste carrier's licence
- Ensure the waste carrier is authorised to carry the type of waste for disposal.
- Obtain details of waste disposal sites and verify the waste disposal licence in place.
- Carry out checks of carriers and disposal sites with the Environment Agency Public Register.

Once the checks are completed Bowmer and Kirkland will:

- Maintained records of waste transfer and record in B+K SWMP.
- Keep copies of all transfer notes of waste sent off-site.
- Check that the waste is going to the correct disposal centre as documented on the transfer notes

Waste Hierarchy

Bowmer and Kirkland will manage waste and develop the SWMP in accordance with the waste hierarchy. Specifically, the amount of waste produced will be minimised by consideration in development of the design and, where produced, will be reused before recycling / disposal options are considered.

8. Implementation and Review

8. Implementation & Review

The control measures identified in the CEMP, and sub-ordinate documentation, will be implemented by the following means:

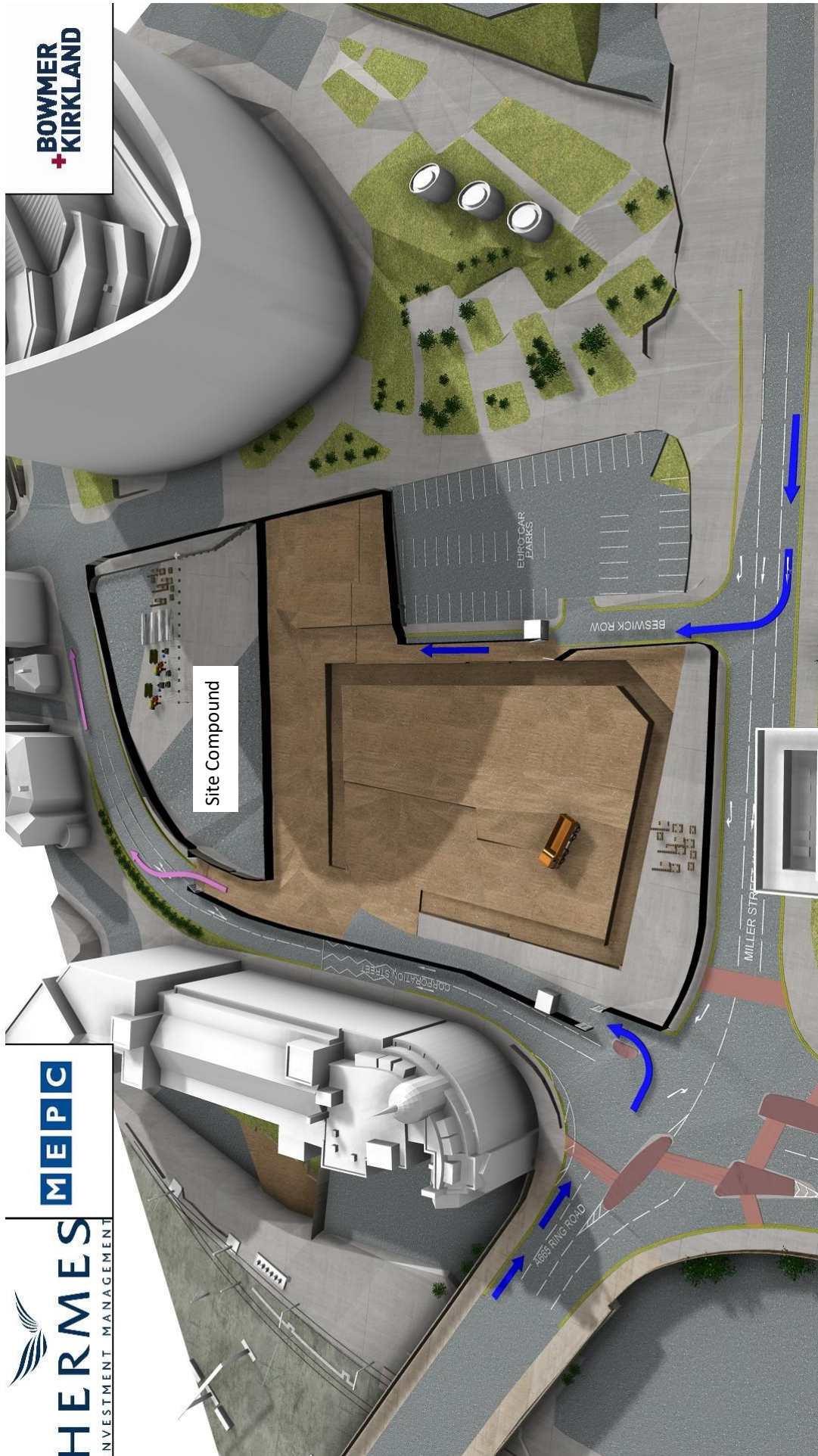
- Relevant information will be communicated to sub-contractors before an order is placed during a pre-contract meeting. An order will only be placed with a sub-contractor following a commitment that they will work to the control measures specified. Where they are required to appoint specific plant, equipment or specialist resources this will be stated in their contract.
- Sub-contractors will be required to submit a detailed method statement for all works they undertake stating detailed control measures. This will be reviewed and authorised by the Site Manager prior to the commencement of operations.
- All sub-contractors will be required to monitor their own works and provide a permanent on-site Supervisor. Where many operatives are provided Supervisors will be required at a ratio of 1:8 with site operatives.
- All site operatives will be required to attend a site induction before undertaking any work. The induction will be conducted by the Site Manager and will include all control measures site operatives are required to work to.
- Access and egress from the site for operatives and deliveries / collections will be controlled by a gateman who will be supervised by the Site Managers.
- The Site Managers will walk the site daily to monitor the works and implementation of the specified controls. Where actions are required to further implement controls these will be raised with the sub-contractor's supervisor. If required they may use a red / yellow card disciplinary and or toolbox talks to improve the implementation of the specified controls.
- Any incidents or visits from regulators will be reported to the Environmental Manager by the Site Manager.

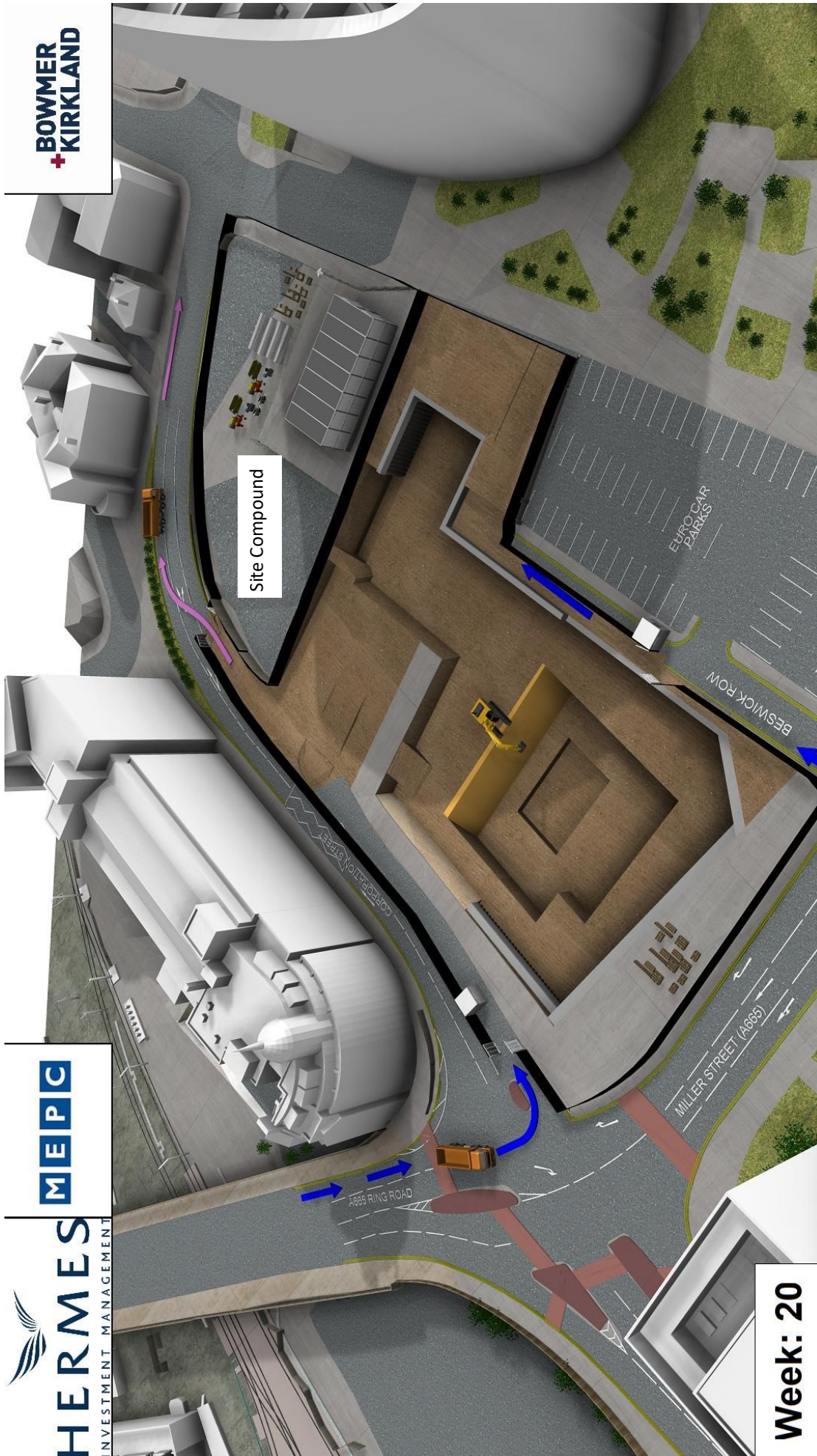
In addition to the monitoring described above, the implementation and effectiveness of controls will be reviewed as follows:

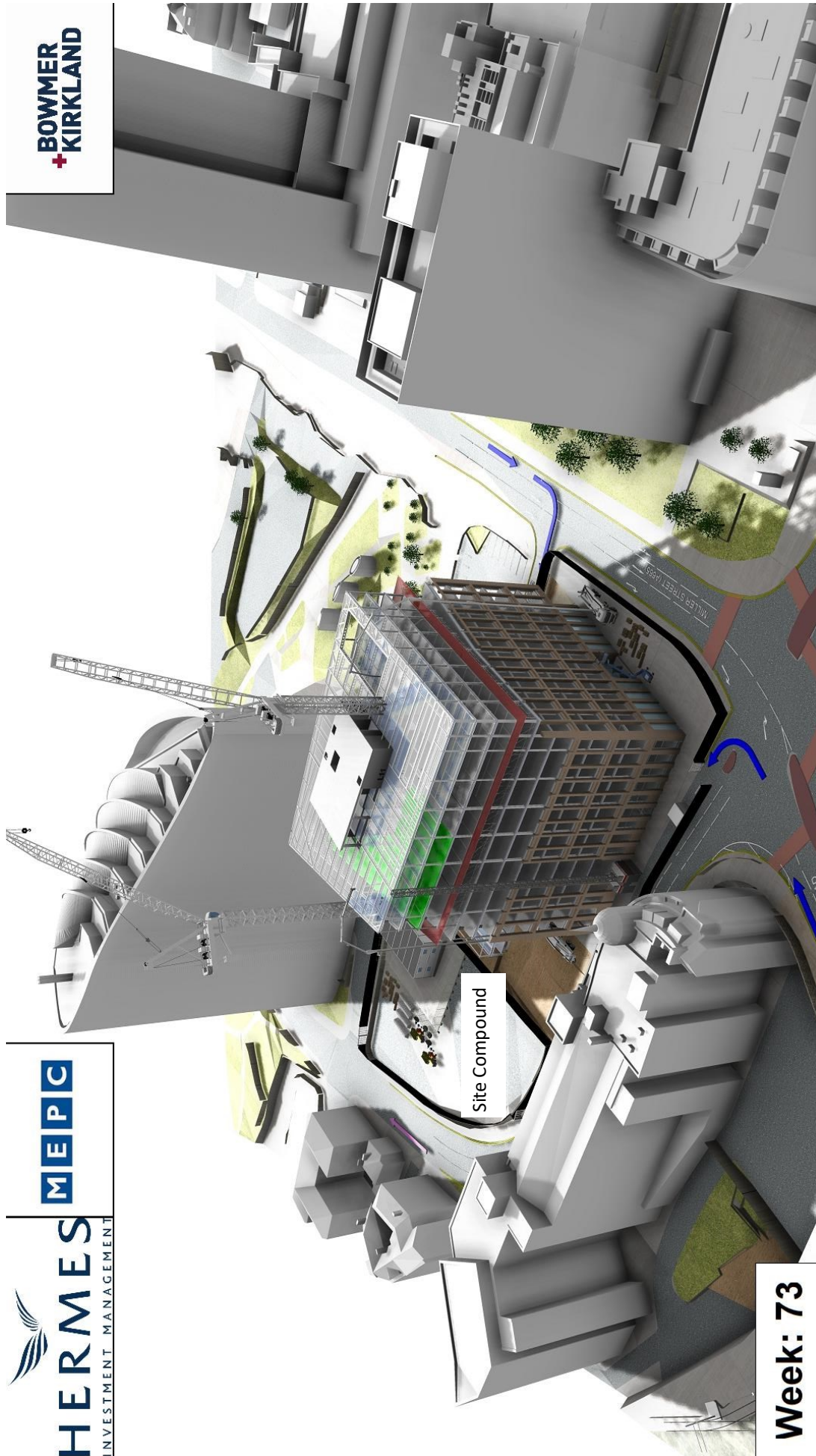
- The Site Manager will conduct an inspection on general good order and security on a daily basis.
- The Site Manager will conduct an inspection of all environmental controls on a fortnightly basis, this will be alternated with the external inspection described below.
- RG Wilbrey Consultants will conduct an inspection of all environmental controls on a fortnightly basis.
- The Contracts Manager or Regional Director will conduct an inspection of environmental controls on a monthly basis.
- The Environmental Manager will ensure the project will be audited for compliance with our Environmental Management System, controls which have been specified and legal requirements at least once during the project.
- A project meeting will be held on a monthly basis, to be attended by the Site Manager and Contracts Manager, to review the results of the above monitoring and inspections. The effectiveness of the specified controls will be considered and any actions required to improve the overall environmental performance of the project agreed and documentation updated accordingly.

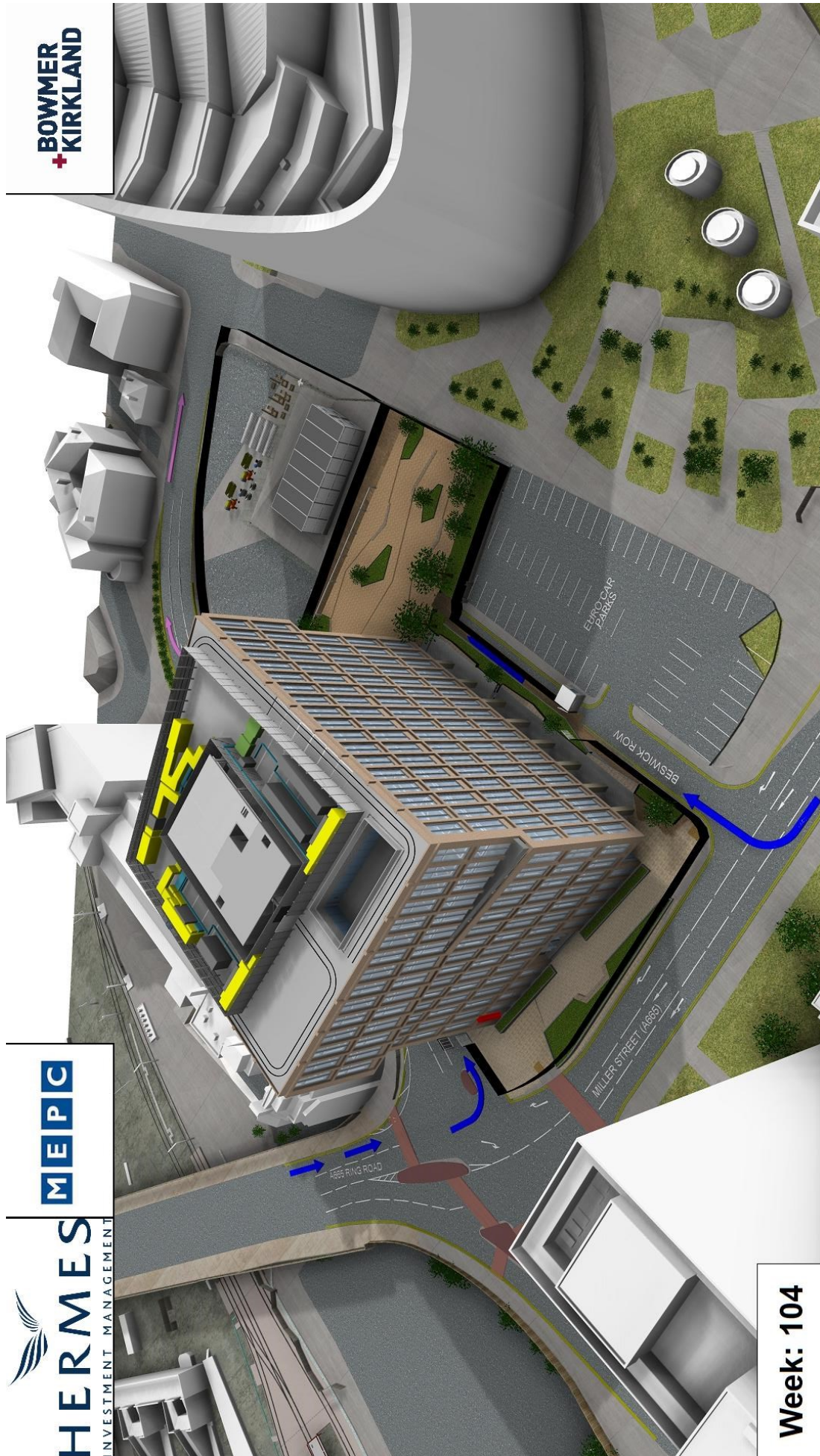
Appendix A

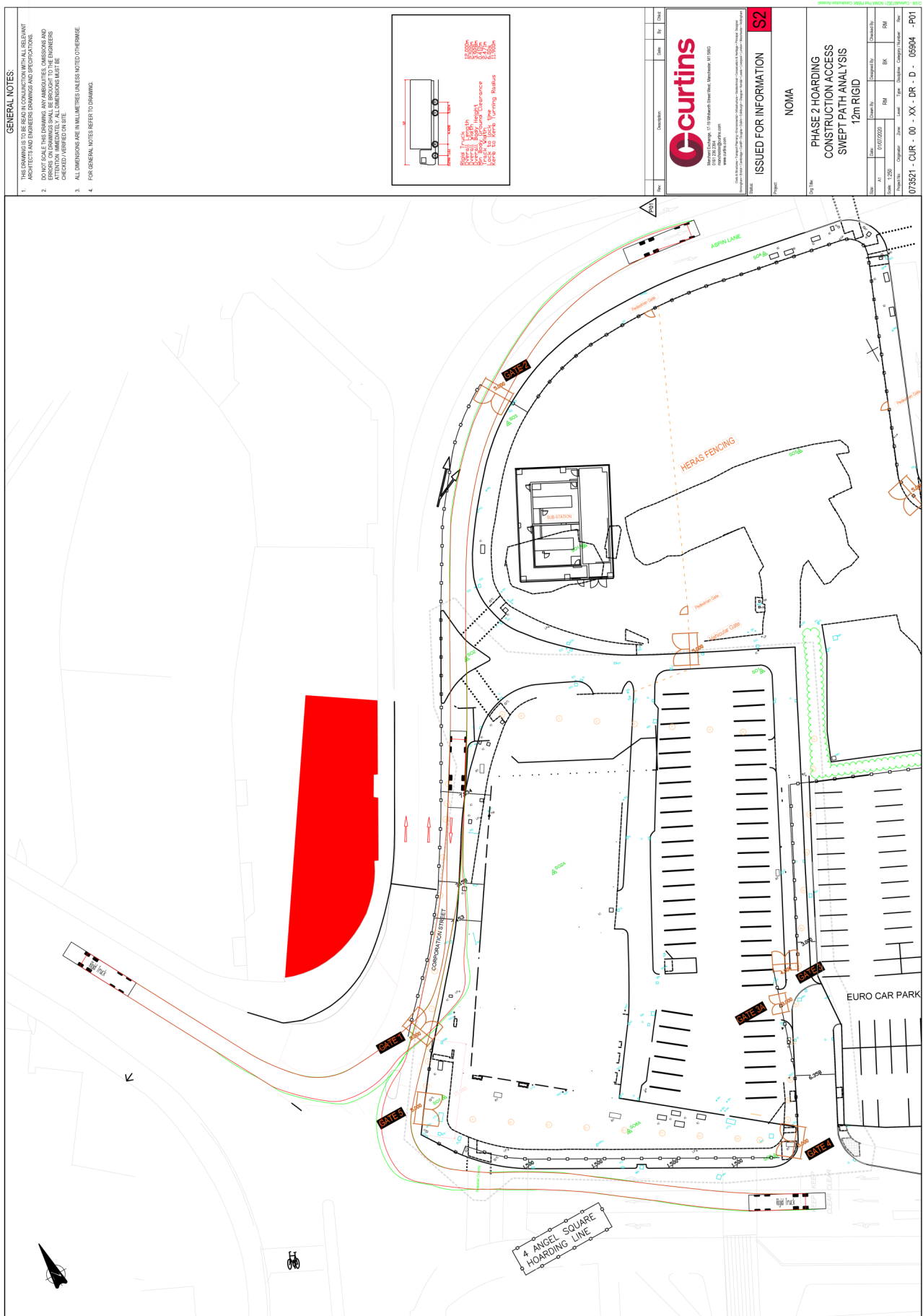
Site Logistic Plan







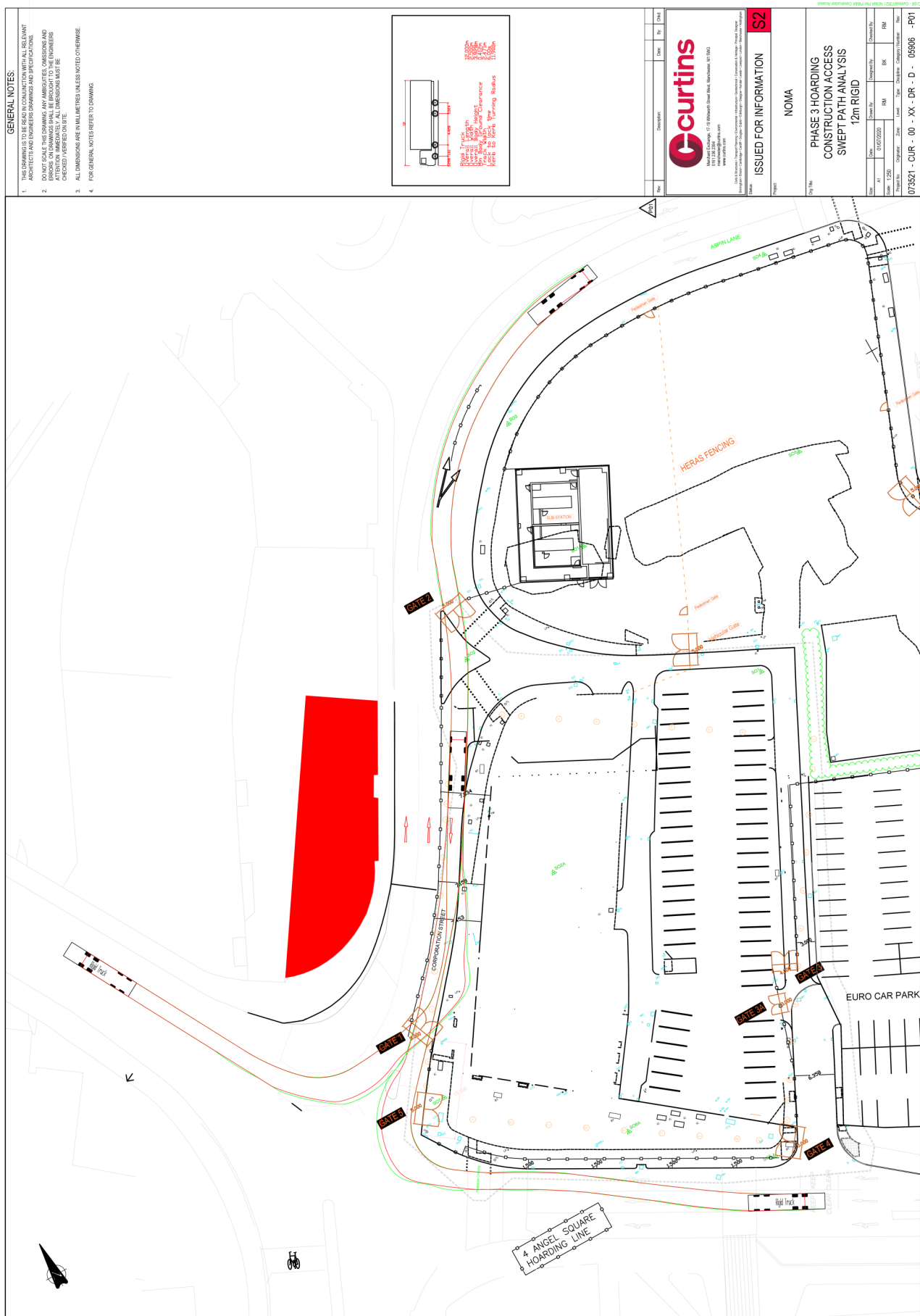


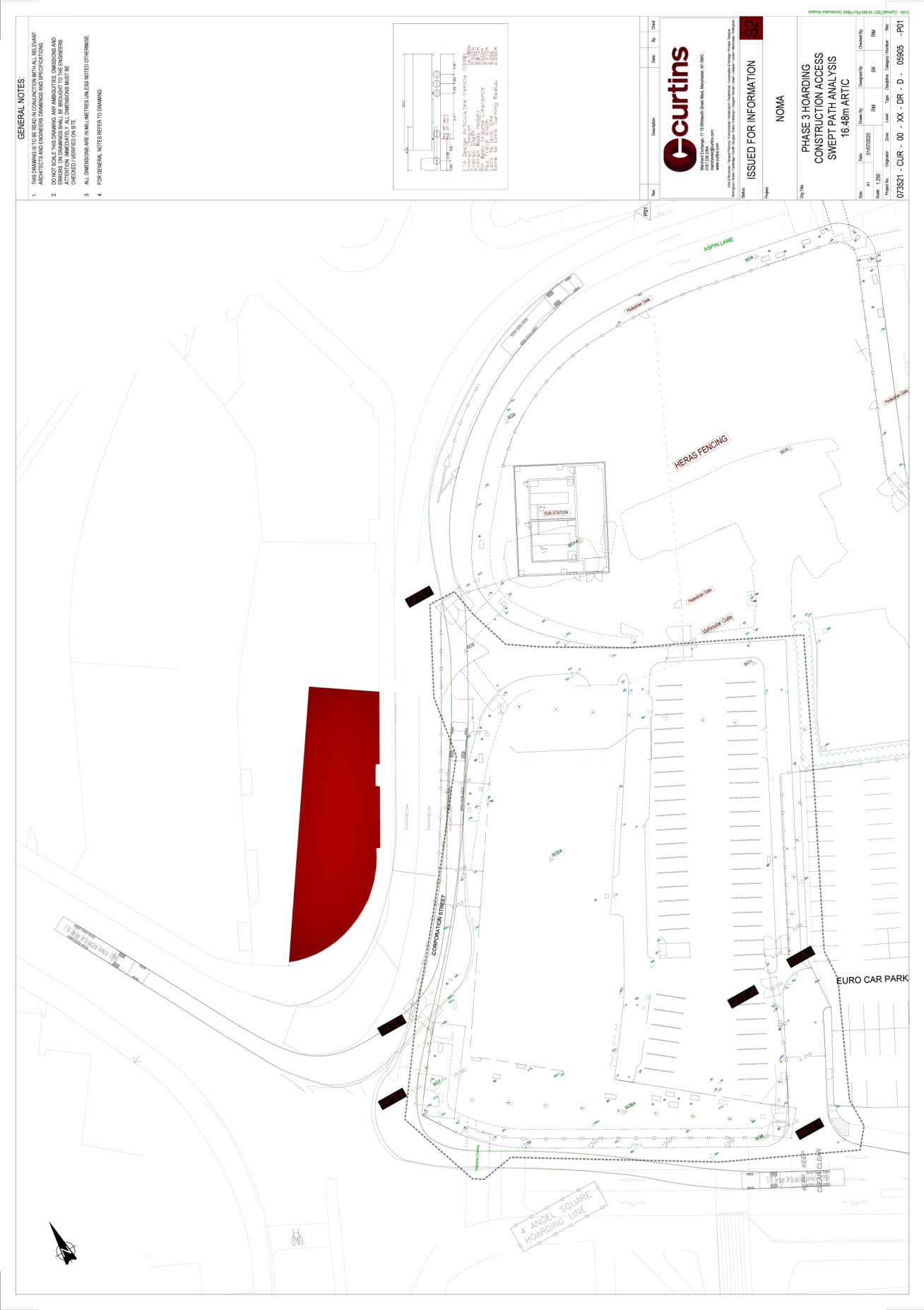


Construction Environmental Management Plan



Construction Environmental Management Plan





Appendix B

Quality, H&S and Environmental Policies

Appendix B - Quality, H&S and Environmental Policies

System Ref: MMA 1.3 K MANAGEMENT SYSTEM MANUAL
Sheet: 1 of 1 QUALITY POLICY



Bowmer and Kirkland are dedicated to achieving the highest possible level of Client satisfaction in everything we undertake. Over time, the company has grown substantially and adapted to suit many differing circumstances, but the underlying principle of Client satisfaction has never changed.

Throughout the Bowmer and Kirkland Group we recognise the importance of developing our business through continued improvements in quality. By consistent and effective implementation of a robust Quality Management System, we believe that we can add value to the project development process for the benefit of our Clients. During this process our objectives are to meet specific project requirements, and to exceed Client expectations.

To achieve quality performance on our construction projects, we are committed to operating and maintaining a certified Quality Management System that complies with ISO 9001: 2015. To promote efficiency this is part of an Integrated Management System which also complies with ISO 14001: 2015 (Environmental) and ISO 45001:2018 (Health & Safety).

In support of high quality performance through our Quality Management System, we have set the following strategic aims:

- Ensure that all employees remain dedicated to looking after our Clients' best interests
- Develop the skills, knowledge and capability of all existing and new employees so that we can successfully meet the changing needs and expectations of our Clients and other interested parties.
- Monitor the effectiveness of our Quality Management System and set high standards on all projects undertaken by the company.
- Set clear Quality objectives and targets that are regularly reviewed to enable continual system improvements.
- Communicate essential objectives and targets to all employees to ensure that our quality ethos permeates the entire company.
- Continually review and develop our Quality Management System working procedures to support company objectives.

This Quality Policy, together with our Management System, will be periodically reviewed to ensure their continued suitability within an everchanging industry.

Signed:

A handwritten signature in black ink, appearing to read 'J.A.C. Kirkland'.

J A C Kirkland - Chairman

Date: 1st January 2020

Appendix B - Quality, H&S and Environmental Policies

Appendix: MPA 9.1 J HEALTH AND SAFETY MANAGEMENT

Page No: 1 of 1 HEALTH AND SAFETY POLICY



Bowmer and Kirkland is family owned and promotes family values - Health & Safety is a core business value. We are committed to creating a future free of incidents, injuries and ill health as a result of our activities.

We are committed to working with our Clients and other external interested parties to manage and control Health & Safety risks. Managing safety, health and wellbeing and engaging with, and training our workforce are integral to how we work, along with the consultation and participation of workers.

Bowmer and Kirkland wish to maintain workplaces where everyone is valued, all views are listened to and a safe and healthy working environment is the norm and not the exception.

It is the Group's belief that all accidents and occupational ill health can be prevented by adherence to our policies and procedures. We take a sensible, positive approach towards Health & Safety. We seek to comply with legislation as a minimum standard. Good practice is accepted as core value throughout the business and integral to maintaining a strong, positive safety culture.

Nothing we do is so important that we cannot take the time to do it safely. No one is asked or expected to work unsafely.

We take pride in everyone returning home safely every day, and we will target matters of concern measuring our success against specific objectives.

All efforts will be made and sufficient resources will be made available to maintain, as far as reasonably practicable, a safe and healthy environment at every location under the Group's control.

We embrace the principles of leadership and endeavour to help everyone in our business, to eliminate hazards and reduce OH&S risks, work safely, prevent unsafe work practices, and will never knowingly walk past an unsafe act or condition on site.

Documented arrangements are maintained in our Health & Safety Management System based upon ISO 45001:2018 and the Company's operational procedures. Compliance and continual improvement are achieved by effective implementation of this Policy and monitoring and audit to evaluate performance and progress. This Group Health & Safety Policy is reviewed on an annual basis and monitoring the implementation of this policy is supported by the Group Director of Health & Safety and his Team.

Leadership, passion and commitment are present at all levels. The Group expects and requires all levels of Management and Supervision to actively initiate and pursue ways and means of making the working environment as safe and healthy as possible.

It is the responsibility of ALL our employees and subcontractors to comply with legal, moral and company safety requirements. Good safety behaviour is admired, respected and recognised across the organisation. Peer pressure will reinforce policing – acting unsafely is anti-social.

All the Group Companies' Directors acknowledge their responsibility for successful implementation of the Health & Safety Policy and for promoting the continual improvement of Health & Safety within the Company.

Proper management of Health & Safety is critical in the future development of the Company and in safeguarding its reputation. Attitude and behaviour, not just statistics, are a measure of success. Our business welcomes those who support our vision and are willing to work with us – without compromise on safety.

For, and on behalf of, Bowmer and Kirkland Group

J A C Kirkland
Group Chairman
1st January 2020

Appendix B - Quality, H&S and Environmental Policies

Form: MPF 6.1 L ENVIRONMENTAL MANAGEMENT
Page No: 1 of 1 ENVIRONMENTAL POLICY



Bowmer and Kirkland are committed to promoting the conservation and sustainable use of natural resources, to preventing environmental pollution and to promote energy efficiency in all of its own construction activities and those of its sub-contractors and suppliers.

To achieve a high standard of environmental performance on our construction projects and related operations, we are committed to operating and maintaining a certified Environmental Management System that complies with ISO 14001: 2015. To promote efficiency this is part of an Integrated Management System which also complies with ISO 9001: 2015 (Quality) and ISO 45001:2018 (Health & Safety).

It is the general policy, therefore, to:

- Minimise any potential effects on the environment arising from site operations
- Liaise with our Clients on any potential environmental and sustainability issues and work with them to address issues and concerns
- Set clear environmental objectives and targets that are regularly reviewed to enable continual improvement in our overall environmental management performance
- Provide appropriate training for our employees
- Foster a constructive working environment through liaison with government and other interested parties, together with the communities in which we work
- Conserve energy through minimising consumption, maximising efficiency and monitoring our carbon emissions
- Develop management processes and operational procedures to prevent pollution and enable compliance with environmental laws, regulations, codes of practice and other relevant obligations
- Minimise the use of materials which may be harmful to the environment
- Promote efficient purchasing which will avoid waste, incorporate sustainable materials and allow for materials to be recycled at the end of building life
- Employ sound waste management practices and encourage the efficient use of materials
- Promote prudent environmental practice in design
- Recognise and encourage the contribution every employee can make towards improving the Company's environmental performance

This Environmental Policy, together with our Management System, will be periodically reviewed to ensure their continued suitability within an ever-changing industry.

Signed:

J A C Kirkland – Chairman

Date: 1st January 2020

Appendix C

Management System Certificates



012



CERTIFICATE OF REGISTRATION

This is to certify that

Bowmer and Kirkland Ltd

High Edge Court

Heage

Belper

Derbyshire

DE56 2BW

has been audited and found to meet the requirements of standard
ISO 14001:2015 Environmental Management System

Scope of certification

Building Contracting, including Design & Build

Certificate number: 1133.01

Issue number: 2020-01

Certificate effective date: 12 February 2020

Certificate expiry date: 18 February 2023

Date of initial certification: 19 February 2008

Karen Prendergast
Divisional Director - Certification
BM TRADA

Issuing Office: Warringtonfire Testing and Certification Limited t/a BM TRADA Chiltern House, Stocking Lane, High Wycombe, Buckinghamshire, HP14 4ND, UK
Registered Office: 10 Lower Grosvenor Place, London, United Kingdom, SW1W 0EN Reg.No. 11371436

This certificate remains the property of BM TRADA. This certificate and all copies or reproductions of the certificate shall be returned to BM TRADA or destroyed if requested. Further clarification regarding the scope of this certificate and verification of the certificate is available through BM TRADA or at the above address or at www.bmtrada.com/certified-companies/check-a-certificate

The use of the UKAS accreditation mark indicates accreditation in respect of those activities covered by the accreditation certification number 012. For further information on bmtrada activities covered by UKAS accreditation please go to: <https://www.ukas.com/search-accredited-organisations>

Multisite clients - The scope of certification shown above includes the participating sites shown in appendix A



CERTIFICATE OF REGISTRATION

This is to certify that

Bowmer and Kirkland Ltd

High Edge Court

Heage

Belper

Derbyshire

DE56 2BW

has been audited and found to meet the requirements of standard
ISO 9001:2015 Quality Management System

Scope of certification

Building Contracting, including Design & Build

Certificate number: C1000.01

Issue number: 2020-01

Certificate effective date: 12 February 2020

Certificate expiry date: 18 February 2023

Date of initial certification: 1 September 2000

Karen Prendergast
Divisional Director - Certification
BM TRADA

Issuing Office: Warringtonfire Testing and Certification Limited t/a BM TRADA Chiltern House, Stocking Lane, High Wycombe, Buckinghamshire, HP14 4ND, UK
Registered Office: 10 Lower Grosvenor Place, London, United Kingdom, SW1W 0EN Reg.No. 11371436

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Multisite clients - The scope of certification shown above includes the participating sites shown in appendix A



CERTIFICATE OF REGISTRATION

This is to certify that

Bowmer and Kirkland Ltd

High Edge Court
Heage
Belper
Derbyshire
DE56 2BW

has been audited and found to meet the requirements of standard
ISO 45001:2018 Occupational Health and Safety Management System

Scope of certification

Building Contracting, including Design & Build

Bowmer and Kirkland Ltd is deemed to satisfy and is registered to the SSIP Accredited Registered Scheme, which covers all ISO 45001:2018 certified sites detailed in this certificate, for the duration of this certificate and for the following CDM categories (Principal Contractor, Designer and Principal Designer). This certificate on its own should not be considered evidence of registration. To verify this organisations registration please go to the SSIP Portal:
<http://www.ssiportal.org.uk/Home>

Karen Prendergast
Divisional Director - Certification
BM TRADA

Issuing Office: Warringtonfire Testing and Certification Limited t/a BM TRADA Chiltern House, Stocking Lane, High Wycombe, Buckinghamshire, HP14 4ND, UK
Registered Office: 10 Lower Grosvenor Place, London, United Kingdom, SW1W 0EN Reg.No. 11371436

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Multisite clients - The scope of certification shown above includes the participating sites shown in appendix A

Certificate number: 304.01

Issue number: 2020-02

Certificate effective date: 14 April 2020

Certificate expiry date: 18 February 2023

Date of initial certification: 16 June 2009

Planet Positive verifies that Bowmer & Kirkland have aligned their Social Responsibility Policy, Procedures & Practices with ISO 26000:2010



Steve Malkin, CEO Planet Positive

1st May 2012



ISO 26000:2010 - Social Responsibility

Bowmer & Kirkland's Social Responsibility Policy, Procedures & Practices encapsulate the seven fundamental core principles of social responsibility:

Organisational Governance	Ensuring that an organisation has an effective system and structure in place to implement its social responsibility policies.
Human Rights	The guarantee that Bowmer & Kirkland respects the fundamental rights of the people that it interacts with. It means, for example, promoting equal opportunities and diversity.
Labour Practices	Practices to ensure that the health and wellbeing of Bowmer & Kirkland's employees and those working on behalf of B&K are safeguarded, that they are well trained and receive opportunities for development.
The Environment	Stems from the recognition that businesses have an impact on their environment, both directly and indirectly. Puts procedures in place to minimise this and wherever possible have a positive impact.
Fair Operating Practices	Commits Bowmer & Kirkland to ethical, honest and fair transactions with other parties. Also promotes harmonious working practices between management and Bowmer & Kirkland's employees.
Consumer Issues	Gives consumers the confidence that Bowmer & Kirkland have their best interests at heart. Focused primarily on B&K delivering complete customer satisfaction.
Community Involvement & Development	Acknowledges the important role that Bowmer & Kirkland plays in the wider community and that Bowmer & Kirkland can promote positive community development through engagement.

