

HG

P627 – Bio Park, WGC

Construction Management Plan

HG
CONSTRUCTION

Issue: 03

Issue Date: July 2025

HG

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1.0 Introduction

HG Construction has been appointed as main contractor by HG Living, for the construction of their development at the Bio Park, Welwyn Garden City.

This CMP addresses the construction traffic movements and routes associated with the development. The proposed development comprises Demolition of existing buildings and construction of 289 residential units (use class c3) and community hub (use class e/f.2), with public realm and open space, landscaping, access, associated car and cycle parking, refuse and recycling storage and supporting infrastructure.

The development is situated on the former Bio Park, it is situated on Broadwater Road. The boundaries are occupied by residential homes.

It is anticipated that the build out of the development is scheduled over a 2 ½ year period. The anticipated on-site date is April 2026, with anticipated completion November 2028.

This CMP has been prepared in line with the upcoming planning submission.

The key elements that we have taken into consideration to produce our logistics strategy are.

- Traffic management
- Pedestrian routes
- Site security
- Welfare facilities and accommodation
- Delivery coordination with neighbouring businesses
- Material distribution
- Waste management
- Fire plans and fire safety

All of the above points will be reviewed and implemented in line with measures contained within, the transport for Local Authority standards for construction, logistics and cycle safety scheme (CLOCS)

1.1 Scope of Report

The Construction Management Plan shall include details of:

- a. Construction vehicle numbers, type, routing.
- b. Traffic management requirements.
- c. Construction and storage compounds (including areas designated for car parking).
- d. Siting and details of wheel washing facilities.
- e. Cleaning of site entrances, site tracks and the adjacent public highway.
- f. Provision of sufficient on-site parking prior to commencement of construction activities.
- g. Post construction restoration/reinstatement of the working areas and temporary access to the public highway.

It should be noted that this CMP is a 'live' document which will be updated and amended by the main contractor as part of the works contract. Updates may reflect changes in management practices or changes to the design (where agreed with the local authority) etc.

This report has, therefore, been prepared to be submitted as an accompanying document with the planning submission pack.

1.2 Assessment Methodology

Research undertaken in connection with this assessment has included:

- Desktop and field study of local road types to establish suitable routing of vehicles.
- Consideration of appropriate measures to reduce vehicle movements and associated impacts on local residents; and
- Information provided from the developer regarding on-site facilities and protocols.

The remainder of this report is structured as follows:

Section 2: Summarises the roles and responsibilities

Section 3: Considers the potential concerns of the local community to be addressed and any environmental impacts on the local area and how these are to be mitigated

Section 4: Relates to Social economic factors

Section 5: Addresses each of the planning condition requirements by Welwyn & Hatfield council.

Section 6: Summarise and conclude the report

Anticipated programme of works.

- April 2026 site setup and enabling works
- April 2026 to November 2026 substructure works
- November 2026 to March 2028 superstructure including façade
- March 2028 to August 2028 Internal fit out
- June 2028 to November 2028 landscaping and external works.

This report should be read in conjunction with the following:

- Documentation produced under the Construction, Design and Management Regulations 2015. These should be used to assess potential hazards, risks and control measures required.

2.0 Roles & Responsibilities

This section sets out the roles, responsibilities and key contacts for the project (where these are currently known).

HG Construction will retain overall responsibility for the development during all phases of construction and for ensuring that all construction activities are in compliance with this CMP.

The chain of command on site is as follows:

- Project Director - HGC
- Project Manager - HGC
- Site Manager - HGC

2.1 Site Managers

As a minimum, HG Construction requires their Site Managers to have undergone the following training:

- Construction Skills Certification Scheme (CSCS)
- Site Manager Safety Training Scheme (SMSTS)

- Fire Marshall
- First Aid

2.2 Key Contacts

It will be the responsibility of the appointed Project Manager to maintain up-to-date details for the key contacts throughout the lifetime of the project.

HG Construction – Project Director	
Name:	TBA
Telephone:	
Email:	

HG Construction – Project Manager	
Name:	TBA
Telephone:	
Email:	

HG Construction – Site Manger	
Name:	TBA
Telephone:	
Email:	

In accordance with the planning consent normal working hours will be restricted to the following:

Monday to Friday:	8am – 6pm
Saturday:	8am – 1pm
Sunday and Bank Holiday:	No works allowed

Operations outside of the permitted times will not be undertaken without prior consent from the Local Authority.

In non-extreme scenarios, where works on site must be done outside of allotted hours (crane removal, oversized vehicle deliveries, etc), HG Construction will give The Local Planning Authority and local residents at least one weeks’ notice of works to be undertaken.

Under extreme circumstances, where giving one weeks’ notice is not possible, HG Construction will email both the planning officer and the highways and environmental Health team to notify them of the proposed works. In addition, HG Construction will also notify residents where possible.

2.3 Site Inductions & Toolbox Talks

All operatives working on site will be inducted, setting out the procedures for pedestrian access and egress to and from the place of work, information on considerate contractors scheme, muster points, and site rules. When necessary, due to the changing site environment, an updated induction will be given and refresher inductions given every 12 months, operatives that have been away from the project for more than 2months will have to sit a refresher induction on their return to site.

All workers will be made aware of the site requirements on the use of Personal Protective Equipment (PPE).

All workers will be made aware of the need to keep noise and disruption to a minimum from plant, communication radios and vehicles. Site managers will ensure this is conveyed as part of the initial site induction and is maintained with good site management. Should any noise levels become unacceptable toolbox talks will be used to ensure all site personnel are aware of environmental constraints.

2.4 Site Screening, Hoarding & Security

All hoarding will be erected as per HG Construction Hoarding Specification and Strategy and clearly identified on the Traffic Management Plan for the relevant phase of construction.

The Site Manager will carry out weekly inspections to ensure the hoarding meets required standards for safety and will repair any damages where required. Site hoarding will be checked at intervals by a qualified engineer.

Screening and hoarding will be appropriately secured to prevent vandalism, theft and fly tipping.

2.5 Health & Safety Signage

Safety and information signage will be erected on the external and internal hoarding, along with other Health & Safety notices. Notice Boards will be erected by the pedestrian site entrances showing the latest Newsletters and Site Managers contact details.

2.6 Method Statements & Risk Assessments

All subcontractors and specialist personnel carrying out works on site, throughout all phases, will be expected to create a risk assessment and method statement. HG Construction's site team will review and implement accordingly.

HG Construction are committed to and have an excellent Health & Safety record. A key concern will be the safety of local residents & visitors to site, and this will be reviewed monthly with the H&S team.

Method statements and risk assessments will be required prior to the start of site setup.

2.7 Site Safety

Operatives and visitors to the site will be required to wear high visibility vests, boots, helmets, and gloves, and carry valid CSCS cards when entering the work area.

3.0 Addressing Local Community Concerns & Environmental Impacts

3.1 Concerns of Local Community & Stakeholders

HG Construction recognises that a key concern for the local community of Welwyn & Hatfield will be any disturbances caused by construction traffic. It is acknowledged that the local community might also be concerned that there could be an impact on the condition of local roads.

HG Construction will provide a dedicated community liaison manager as the 1st line of response to resolve or answer any public concerns and questions that may arise throughout the works. HGC will provide a project-based website whereby construction information will be updated monthly to advise local residents of forthcoming activities.

HG Construction has taken account of these concerns in the development of the CMP and these are addressed herein. The following list provides a summary of mitigation measures:

- Minimise generation of traffic.
- Use agreed routes through the local community and having the least impact on road infrastructure in the area.
- Safely manage pedestrians.
- Endeavour to ensure that materials travel as short a distance as possible.
- The site will be operational between the hours of 08:00 and 18:00 (Monday to Friday) and 08:00 to 13:00 on Saturdays. As such no vehicles will access the site outside of these times and on Bank Holidays. This will ensure minimal disturbance to the local community.
- All loads entering and leaving the site will be covered (including skips) to avoid spillage of dust onto the surrounding highway.

All local residents and businesses will be informed of any disturbances that may affect them.

3.2 Environmental Impact

The potential environmental impacts associated with construction vehicle movements are to be addressed through the strategy by way of:

- Minimising traffic movements where practicable.
- Minimising the carbon footprint through the use of local materials and sub- contractors where possible.
- Implementing noise and dust reduction strategies throughout the construction process.

3.3 Environmental Measures

3.3.1 Noise Management

HG Construction proactively looks to introduce noise control measures as part of a standard site set up, these include, hoarding installation, noise screens surrounding cutting equipment and generators, and considered positioning of noisier plant ensuring that, where possible, noise producing equipment is placed further away from sensitive receptors. Regular checks will be undertaken to ensure that the plant is in good working order to ensure it is not running at a noisier than expected level.

All workers on site will be made aware of the need to keep noise and disruption to a minimum from plant, communication radios and vehicles movements. Site managers will ensure this is conveyed as part of the initial site induction and is maintained with good site management. Should any noise levels become unacceptable toolbox talks will be used to ensure all site personnel are aware of environmental constraints.

All subcontractors will be responsible for monitoring and implementing prevention methods.

Where possible plant will be fitted with White Noise warning beacons, this reduces the sound emission from vehicles required to produce audible warnings.

Prior to the commencement of each phase of development, excluding demolition and ground works, a scheme for noise mitigation measures for that phase will be reviewed by the HGC team.

3.3.2 Dust Generation

The production of dust emissions will be minimised and/or controlled in order to reduce the impact on local residents, members of the public, construction personnel and ecological receptors. When making assessments the site management team will consider the Control of Pollution Act 1974, Planning Policy Guidance, The Local Planning Authority Environmental Health section Construction Site Guidelines, 2006, and the requirement of the Control of Substances Hazardous to Health (COSHH). As a minimum we will ensure the following.

- No burning of waste materials onsite
- Adequate water available to undertake damping down of roadways and cutting stations
- All vehicles leaving site carrying loose or potentially dusty material are fully sheeted.
- Minimising the amount of excavated material held onsite
- Suitable dust suppression is fitted to all site cutting equipment

The following activities have been identified to have the potential for dust generation:

- Formation of piling mat – Water mist cannons will be used when required, material will be compacted as soon as practicably possible.
- Brick cutting – Designated cutting stations will be setup and suitable sound, and water suppression will be used.
- Vehicle Movements – Wheel wash and Road Sweepers will be used when necessary. All loads entering and leaving the site to be covered where practical.
- Stockpiling – Water will be used as a suppressant where material has the potential to be ‘wind whipped’.

All subcontractors will be responsible for ensuring method statements include these prevention methods.

HG Construction will ensure that hoses will be able to reach all areas of dust creation prior to works commencing. Tarmac construction service roads will be established early during the build phase which will form part of the permanent roads to the development.

4.0 Socio-Economic Factors

The HG Construction will consider the socio-economic impact on the area when letting contracts. The construction phase of the development provides employment opportunities for local businesses.

Where practicable, the contractor will use local companies to provide services such as supplies of materials, road transport, distribution facilities and subcontract labour and plant.

5.0 Measures to Address Planning Concerns

5.1 Vehicle Routing & Access Strategy

To minimise traffic movements, an agreed route will be used for construction vehicles, minimising the impact on local roads. (Appendix 2)

The site compound is to be located within the site itself (Appendix 3)

The main vehicle route will be Broadwater Road. The site in the demolition phase will have one main gate where vehicles enter and exit. Once within the hall road there will be another gate where a Traffic Marshall can bank the vehicle so that they can use the turning point within the site, this will eliminate the need for any vehicle to be reversing directly out of the main front gate of the site.

In order to access the development site, a construction traffic access strategy has considered the following route:

5.1.1 Access via Broadwater Road

Construction traffic travelling to the development site should do so via the A1 exiting at Hatfield onto the A6129, vehicles will then follow this route to Broadwater Road, turning left into the site signposted Bio Park Drive. (See Appendix 2)

Traffic leaving the site will exit right and head towards the A6129 and exit Hatfield via the A1.

The above routes use the strategic road network and minimise traffic travelling through residential areas.

All sub-contractors and supply-chain members will be advised in the induction, of the need to adhere to local speed limits. The HG Construction will ensure all staff are briefed of route and use the dedicated route to and from site.

5.2 Site Vehicle Access & Movement/HGV Impact

Vehicles coming to site where applicable will be a minimum FORS bronze standard.

Site speed control measures include restrictions of 10mph for site construction traffic, which will be policed by the site team.

The site management team will develop a Traffic Management Plan (TMP) for each phase which will incorporate the agreed working hours as agreed in the Local Authority Planning Consents and be displayed in the site office where inductions will take place. Each TMP will show the location of the site traffic routes, site welfare, waste segregation compound, parking where available, lay down areas, wheel washing points.

Key contractors will provide nominated vehicle Banksman during the initial phase of the development in order to assist with the co-ordination and unloading of their deliveries, in particular, bricks, steel reinforcement and concrete delivery vehicles.

The HG Construction team will via traffic marshals see in all deliveries to site and hold them at the waiting area/unloading zone after which the sub-contractors Banksman will take them to the desired location. The HG Construction team will keep a Log of every vehicle entering site. All deliveries to site are to be pre-booked during a weekly delivery/book time meeting and a copy of the schedule will be issued, deliveries will be restricted to the periods after 9.30am and not between 3.00pm and 4.30pm in order not to impact with school drop off and pick up times. No deliveries will be permitted to site outside the site working hours, unless under the strict provision of a traffic order for larger loads.

During construction, vehicles will be expected to give priority to members of the public and to be courteous at all times.

Vehicle reversing movements should be kept to a minimum but when they are required a Traffic Marshal/banksman must accompany all reversing vehicles. Operatives assisting vehicles must wear high visibility clothing.

Drivers of site vehicles will, when required, be asked to demonstrate that they hold valid appropriate certification (CPCS card) applicable to the type of plant or equipment that they are operating. A register of certification will be kept and maintained by HG Construction.

Checks of contractor's plant and equipment, driver's qualifications and delivery vehicles will be carried out and a register will be kept within the site office.

When leaving site, vehicles will be wheel washed if required by the sub-contractor. A site speed limit of 10mph will be established during the construction activity due to the space constraints on site.

5.3 Enforcement Measure

No deliveries outside their agreed allocated slot will be accepted and will be asked to return to their depot and will be required to reschedule.

5.4 Interface with Construction Traffic

Delivery vehicles will be encouraged to have signs warning cyclists of Left-Hand Turns. Signs will be erected at the site exit reminding drivers to leave in a safe manner.

Vehicles where required will be assisted out of site by way of a trained traffic marshal, who will be able to direct traffic using stop boards.

5.5 Siting & Details of Wheel Wash Facilities

To minimise waste and dust which might collect on vehicles and subsequently transfer to the local roads and environment, a wheel washing facility (jet washer) will be provided at the at the exit gate onto Broadwater Road.

Wheel washing will take place before exiting onto the public highway.

The jet washer facility will be placed close to the exit of the site and a temporary aqua drain will be used to collect unclean water for correct disposal offsite.

5.6 Cleaning of Site Entrances, Site Tracks & Adjacent Public Highway

Roads adjacent to the site will be kept free of debris and dirt as necessary, by sweeping or hosing down.

Should the need arise a road sweeper will be made available and used as required on Broadwater Road to make sure the adjacent public highway is kept clean.

5.7 Traffic Management

HG Construction understands the importance of safety to people both within the site and more importantly surrounding it. As such, site managers will ensure mitigation measures are put in place to improve clarity to local residents and site personnel of what impacts site traffic will have on roads.

All construction traffic will be monitored by our gateman/ security and their details recorded. Monitoring of the local roads will be undertaken daily to ensure all construction staff are adhering to the Site Rules in relation to ensuring construction staff are not parking in the neighbouring roads.

To minimise generation of traffic to the site, ground workers and frame operatives will arrive by mini- bus, car share will be encouraged as well as use of public transport.

When deliveries are expected a Traffic Marshal will be on hand to ensure ease of access into the site.

Where possible materials will be sourced locally.

5.8 Post Construction Restoration / Reinstatement of The Working Areas & Temporary Access to The Public Highway

Vehicular and pedestrian access to the site is from Broadwater Road.

HG Construction will conduct a condition survey before and after construction and a provide plan to outline the areas surveyed, this plan will be made available to the Highways Authority upon request.

Any deterioration of the road in the vicinity of the site access considered to be attributed to construction

vehicle traffic would be the responsibility of the Contractor. The contractor will make good any damage caused by their construction works.

5.9 Parking for vehicles of Site Personnel, Operatives & Visitors & Associated Measures

There will be no onsite parking permitted, all parking will be within neighbouring surface and multi-story car parks. Parking will not be permitted on public roads, where residential parking will be affected.

Local car parks.

- APCOA – Welwyn Garden City
- Osborn Way – 4 Church Road

The site compound will contain welfare and site offices, storage area for material. Electricity, water and telephone connections will be made to the site compound.

Facilities to prepare food and drink on site during the working day will be provided to minimise the need for personnel to leave the site and compound area during the working day. This will again minimise the traffic through the local community.

The HG Construction will ensure that where possible local labour and sub-contractors will be utilised for the duration of this project, thus minimising general traffic through the region.

The HG Construction will encourage personnel to utilise public transport, cycles and car share to travel to site. Cycles can be stored in the compound area, which is secure within the site.

5.10 Site Compound & Material Storage Areas

The Site Welfare, Canteen, Drying Rooms and Project Office will be located in a segregated area indicated on the site layout.

Materials will be off loaded in lay down Areas highlighted on the Traffic Management Plan. Once unloaded, the Tele-handler will take the materials to the storage areas.

5.11 Contractors Arrangements

All contractors will be informed of the limited parking arrangements and HG Construction will seek to review their transport proposal prior to works starting onsite, this is to ensure they have understood and complied with using as few vehicles as possible and where possible car share.

5.12 Site Pedestrians Access

HG Construction site management will use signage to make people aware of site entrances specific to a particular phase.

These will be clearly marked routes and hoarding will ensure safe access and egress throughout the site. PPE designated areas will be clearly marked, and all visitors will be suitably inducted or supervised beyond these points.

5.13 Loading & Unloading of Plant & Materials

A schedule of typical planned vehicle deliveries is provided in the following table. This table sets out the Contractors typical projected deliveries of construction materials and the frequency these are anticipated. All loads entering /exiting site will be covered.

5.13.1 Schedule of Typical Planned Principal Deliveries

Description	Approx Duration	Average No. per week	Vehicle Type
Site Set Up	Week 1 to 2	6	Lorries with Hiab's
During Piling	Weeks 2 to 6	81	Haulage Lorry, Concrete Truck Rebar deliveries
Basement excavation (pile caps & basement)	Weeks 5 to 19	22	Haulage lorries
Basement - Ground floor reinforcement	Weeks 25 to 37	2	Articulated lorries/flatbeds
Basement - Ground floor concrete	Weeks 28 to 39	18	Concrete mixer truck
Main frame reinforcement	Week 39 to 77	2	Articulated lorries/flatbeds
Main frame concrete	Weeks 42 to 79	32	Concrete mixer trucks
Internal Fit-Out	Weeks 80 to 116	45	Articulated lorries/flatbeds
Landscaping & External Works	Weeks 108 to 128	30	Articulated lorries/flatbeds

To facilitate the efficient loading and unloading of plant and materials a loading bay is identified on the site plan.

Construction vehicles will enter the site in forward gear, manoeuvre through the site to the loading bay, turn and exit the site in forward gear. At no time shall vehicles reverse into or out of site.

In order to reduce conflict with other road users and to minimise congestion, deliveries will be scheduled wherever possible to avoid peak traffic movements.

A Traffic Marshall will coordinate movements at the site access.

Where practicable, the Contractor will use local companies to provide services such as supplies of materials, road transport, distribution facilities and sub- contract labour and plant.

5.14 Storage of Plant & Materials

Material storage areas onsite will be clearly defined with barriers and signage, they will where possible be sited away from the boundary and sensitive receptors such as neighbouring properties.

Moveable plant will be stored in dedicated areas again away from the site boundary and neighbouring properties.

5.15 Programme of Works

The site will be operational between the hours of 08:00 and 18:00 (Monday to Friday) and 08:00 to 13:00 on Saturdays. No vehicles will be permitted onto site before 07:30. This will ensure that disruptions will be kept to a minimum.

The programme of works will consist of the following.

- Enabling works comprising perimeter fencing/security provisions, site compound, site roadways, site entrance (S278 works).
- Utility services into site.
- Sub infrastructure works, ground works and foundations.
- Construction of superstructures including façade and fit out.
- External works such as car parking and landscaping etc

5.16 Provision of Boundary Hoarding Behind Any Visibility Zones

Enabling works for the site will comprise perimeter fencing/security provisions. The construction and maintenance of fencing and hoardings will be carried out to industry acceptable standards to prevent unwanted access to the construction site, to provide noise attenuation, screening, and site security where required. This will include the need to provide a viewpoint, located on Broadwater Road, as appropriate different types of fencing will be used:

- Including hoardings used for noise control.
- Painting the side of hoardings facing away from the site, and to keep them free of graffiti or posters.
- Site information boards with out of hours contact details, 24-hour telephone number(s) (for comments/complaints), community information and information on the works programme, positioned at key locations and
- Display notices and signs on the site boundaries to warn of the hazards on site, such as deep excavations, construction access, etc.

Clear sight lines will be maintained around hoardings and fencing with no hidden corners in order to avoid, where reasonably practicable, opportunities for anti-social behaviour, crime and to ensure the safety of pedestrians and vehicles. The site entrance hoarding will be set back from the kerb line and splayed to maintain roadway visibility.

Footways of adequate width, to facilitate pedestrian flows, will be provided with appropriate signage to facilitate safe access to the site.

Adequate lighting will be installed, as necessary, near or on hoardings, as is appropriate.

Fencing and hoarding will, as far as is reasonably practicable, be located such that it does not damage trees

or hedgerows.

6.0 Summary & Conclusion

This report sets out the overall framework for managing the construction traffic movements and routes associated with development. The proposed development comprises the construction of 289 residential units (use class c3) and community hub (use class e/f.2).

A CMP is required to be submitted at planning stage.

This report sets out the overall framework for managing the movement of construction and delivery traffic to and from the development site. Its main purpose is to present the methodology for minimising the potential impact of the development on the travelling public and to ensure that the HGV movements do not create any unnecessary safety concerns.

It is acknowledged that the local community are likely to be concerned that there could be an impact on the condition of local roads.

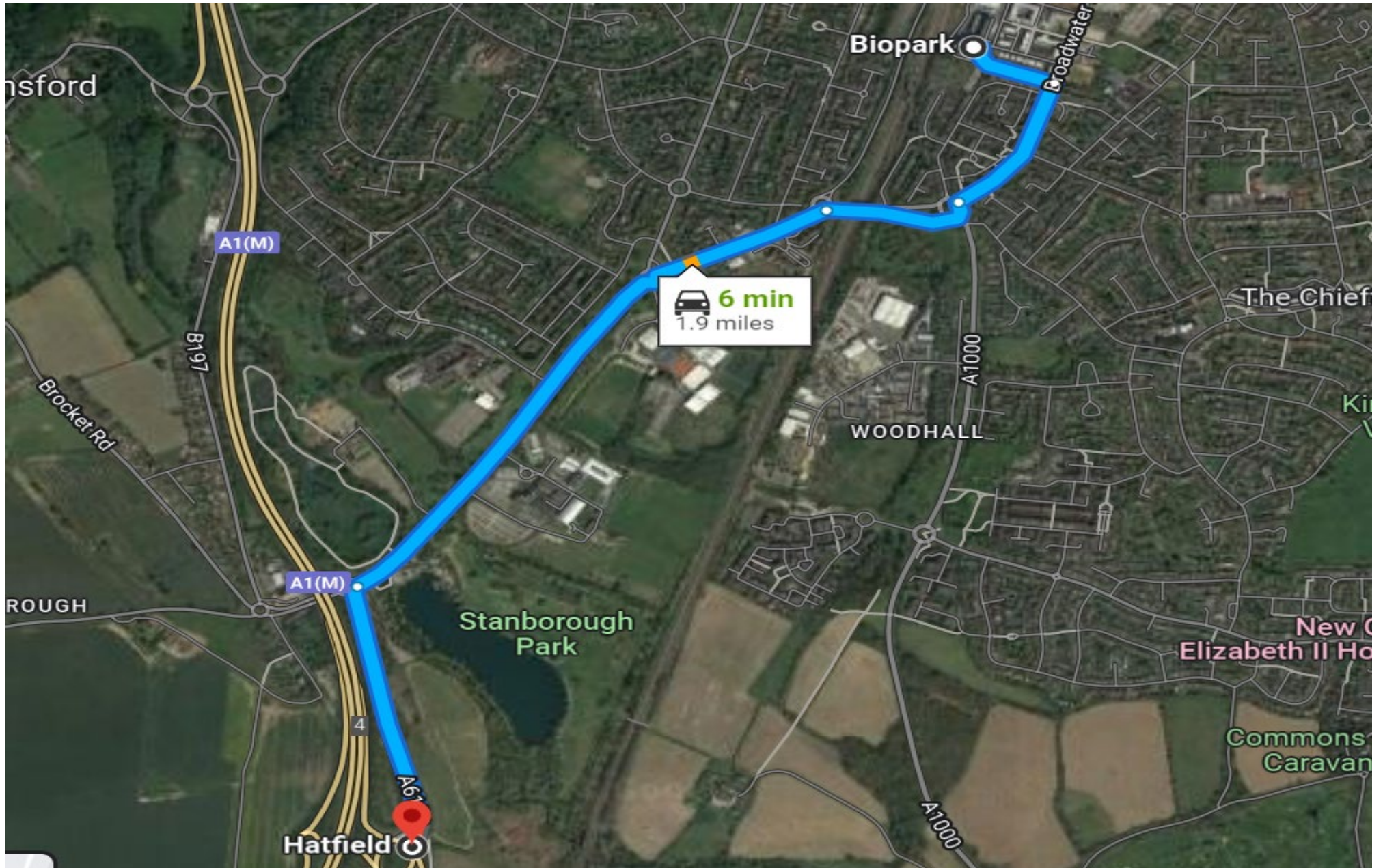
During the construction of the development, the contractor will seek to minimise disruption to local residents and businesses. The site is located in a built-up area and Broadwater Road is considered a major roadway within the borough, as the road is already heavily trafficked the increase in construction vehicle movements should not have an adverse effect on local residents or businesses. No vehicles will be allowed to idle or await site entry on Broadwater Road or surrounding roads, this will be policed by our traffic marshals.

HGC do not anticipate any risk of significant traffic impact as a result of the construction work. The risk will be reduced further by use of prefabricated elements, consolidation of materials and vehicles delivering full loads where possible. Where possible deliveries will be planned around rush hours to reduce the impact to the local road users.

Appendix 1 - Site Location

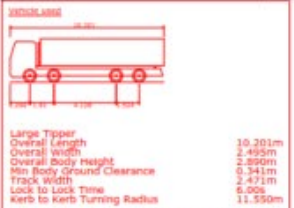


Appendix 2 - Traffic Route



Appendix 3 - Logistics Plan





This drawing has been prepared for planning purposes and should not be used for construction.



BASED ON ONSHORE SURVEY MARKING AND REPRODUCED BY TRANSPORT PLANNING PRACTICE WITH THE PERMISSIONS OF THE CONTROLLER OF ROAD © DRAWN COPYRIGHT

Based on PL GA-SP-RF 56a Refuse Plan, TPP REF - 3N, 02.

Biopark Broadwater Road Welwyn Garden City

Swept path analysis of a large tipper

TRANSPORT PLANNING PRACTICE

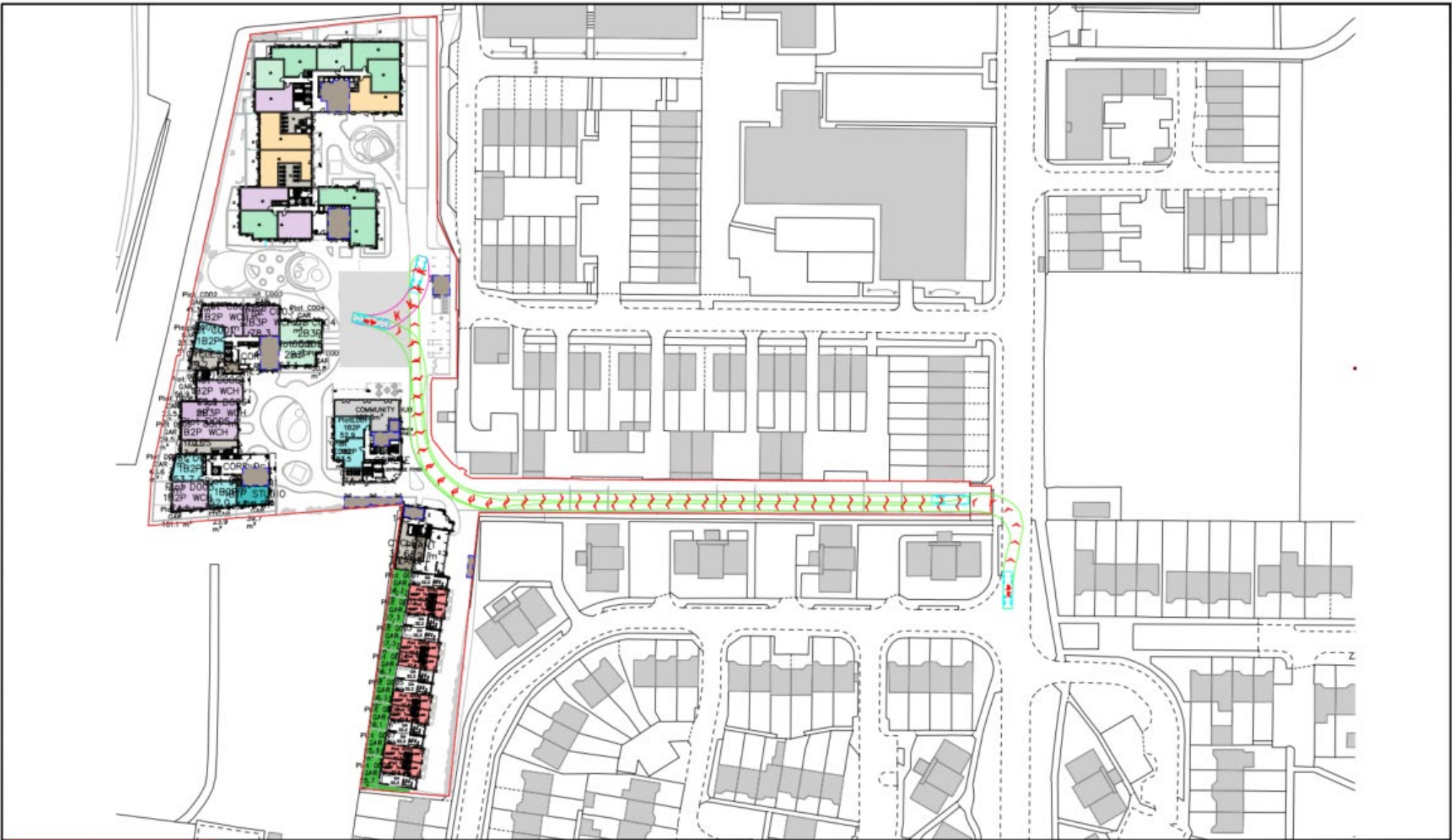
70 Cowcross Street
 London, EC1M 6EL
 t: 020 7608 0008
 w: www.tppweb.co.uk



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Large Tipper	10.201m
Overall Length	2.492m
Overall Width	2.890m
Overall Body Height	3.341m
Min. Body Ground Clearance	2.471m
Track Width	6.009
Lock to Lock Time	11.550m
Kerb to Kerb Turning Radius	

This drawing has been prepared for planning purposes and should not be used for construction.

Based on PL GA-SP-RP_Site Refuse Plan. TPP REF - IN_02

BASED ON ORDNANCE SURVEY MAPPING AND REPRESENTED BY TRANSPORT PLANNING PRACTICE WITH THE PERMISSION OF THE CONTROLLER OF ROAD © CROWN COPYRIGHT



Biopark Broadwater Road Welwyn Garden City Swept path analysis of a large tipper



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29/07/25

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TRANSPORT PLANNING PRACTICE

70 Cowcross Street
London, EC1M 6EL

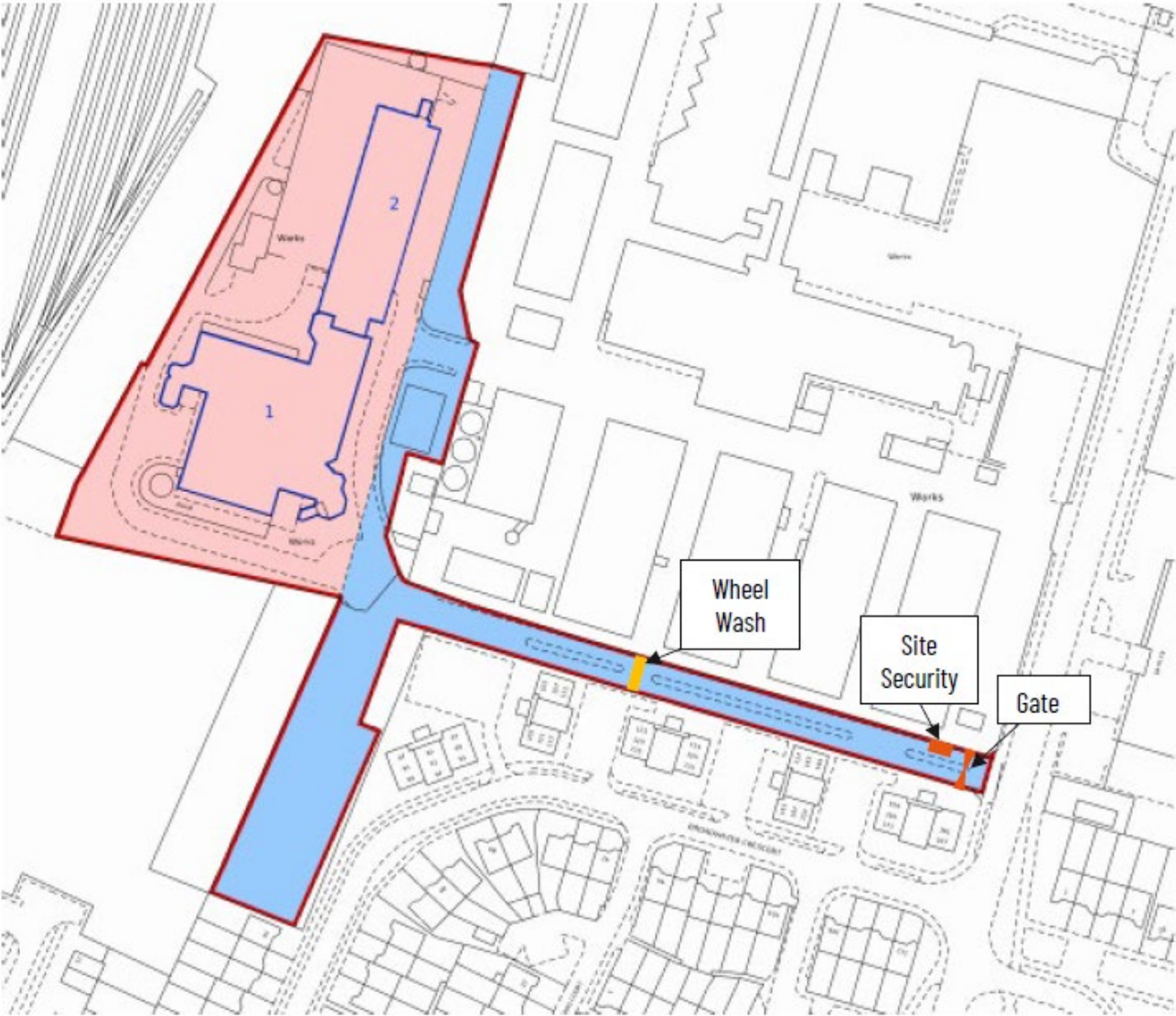
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REV
-

Appendix 4 - Site Boundary



Appendix 5 – Health & Safety Risk Assessment

RA - HGC - 01



ASSESSOR:	C A Nunn	PROJECT:	Bio Park, WGC			APPROVAL DATE:	March 2025	REVIEW DATE:	March 2026
TASK / OPERATION	POTENTIAL HAZARD	PEOPLE AT RISK	INITIAL RISK			CONTROL MEASURES SPECIFIED	RESIDUAL RISK		
			L	S	RR		L	S	RR
General Working Environment	Trips etc.	All	4	3	12	Good housekeeping, policy of clean as you proceed to prevent accumulation of debris. Work only in well illuminated areas. Operatives to wear hard hats, boots with steel toecaps & mid-soles. Ear defenders appropriate to the exposure limits are to be provided if working in noisy areas.	3	2	6
General Site Access	Vehicles & Pedestrians on site.	Operatives & Third Parties	4	5	20	Controlled manned access to site during normal working hours. Security to control access outside these hours (to be confirmed).	3	2	6
Proximity Of Public in Occupied Areas.	Injury to third parties	All	3	3	9	Ensure all work areas are correctly cordoned & notified as construction areas. Adequate warning signs to be posted. Do not commence works until you are sure that the area is safe. Movement of vehicles to be carefully monitored & controlled. Banksman must be present when reversing, audible & visual warning must be operating. Construct protected footpath & place warning signs. Secure site with minimum access points.	3	1	3
Waste Disposal	Fire, explosion, asphyxiation, contamination	Operatives	3	3	9	All waste is to be removed from site by licensed carrier or in the case of left over materials by company vehicle. The Site Waste Management Plan will identify materials which are hazardous & to be removed in specific containers. All containers are to be checked for disposal instructions. DO NOT dispose of liquid waste into the local sewerage system or open watercourses. If in doubt seek advice.	2	2	4
Traffic Management	Movement of vehicles and pedestrians in & around the site	Operatives & Third Parties	4	4	16	Produce a traffic management plan to be posted in Site Office and Canteen. Mark the route in and out clearly with warnings to both drivers and pedestrians. No vehicles to reverse without the assistance of a Banksman. Advise suppliers of restrictions and entrance to site. Deliveries to be timed to occur during off peak times. Audible and visual hazard warning to be fitted to on site and delivery vehicles. Established barriered walkways to segregate vehicles and pedestrians. 5mph speed limit at all times on site.	3	2	6
Unloading Lorries	Falls from height, hit by falling objects, Fall of Load. Impact with vehicle	Operatives & Third parties	3	3	9	Ensure all site operatives, including lorry drivers, are wearing protective headgear, footwear & high visibility clothing. Ensure by visual inspection that all ground is level & compacted to suit vehicle tolerances in all manoeuvring & off-loading areas. Ensure that fall protection is in place prior to mounting the vehicle. Ensure that a competent person supervises all vehicles when reversing. All chains/straps/ropes to be removed by a competent person only when load is in final position.	2	2	4
Use Of Hired Plant	Electrocution, physical injury	Operatives	4	4	16	Plant only to be hired from approved suppliers. All plant to be checked prior to use and not to be adapted in any way. Only to be used for the appropriate task. Damaged plant is not to be used & to be reported to site manager & hire company.	3	2	6

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TASK / OPERATION	POTENTIAL HAZARD	PEOPLE AT RISK	INITIAL RISK			CONTROL MEASURES SPECIFIED	RESIDUAL RISK		
			L	S	RR		L	S	RR
Use of MEWP's	Falls from height, Impact or collision, contact with overhead power lines, falling tools or materials	Operatives	4	4	16	Only competent operatives with the appropriate IPAF licence should operate the vehicle. Operatives must be clipped on with a safety harness if there are other vehicles operating in the vicinity, there is the possibility of collision with buildings or structures, or the ground is uneven. If there is a possibility of falling 2 metres or over the working platform must be fitted with double guardrails & toe boards. Any machine left unattended must have the ignition keys removed & battery terminals should be disconnected at the end of every shift. The vehicle must be suitable for the task intended, particularly in terms of size & weight of the load as well as the terrain to be driven over. Do not operate the equipment close to overhead power lines or other dangerous machinery. Do not move the equipment in the elevated position unless it is designed to do this safely. Do not allow the knuckle or elbow of the arm to protrude into a traffic route when working in the vicinity of other vehicles. The area below the work should be cordoned off. With the warning notices placed at relevant points. Records should be kept of regular maintenance & inspections.	3	3	9
Manual Handling	Strains, cuts etc.	All	3	4	12	Operative trained in manual handling techniques & to assess all loads prior to moving. Components sized to permit easy handling and movement by one person. Provision of lifting aids for bulky/heavy components	2	2	4
Portable Tools & Appliances	Electrocution, Entanglement, Eye damage	Operatives & third parties	3	5	15	Use of battery powered tools or 110V site transformers & tools; RCD protection is essential if 240V is unavoidable. Tools only to be used for appropriate works & not to be adapted. Cables & tools to be inspected at the start of each shift & any damages reported or repaired prior to use. All tools to comply with European or British Safety Standards & be regularly maintained in accordance with PUWER 1998. Operatives to be trained in the use proper use of tools & the importance of not leaving long hair & loose clothing hanging in the vicinity of the tool in use. Guards to be fitted at all times & not to be adapted or altered in any way. Operatives to be provided with appropriate PPE & eye protection. Work area to be suitably barriers to prevent access to immediate area by others.	2	3	6
Overhead Services	Electrocution from contact with electrical cables.	All	3	5	15	Obtain plans and details regarding the power lines. If possible, create alternative access points and routes, which are not affected by the overhead lines. Plant or equipment should not be used within 15 metres of overhead lines suspended from steel towers, or 9 metres if supported by wooden poles. Where closer approach is likely the lines should be made dead or barriers should be erected to prevent approach. Where work is to take place close to the lines barriers and goal posts should be erected after consultation with the electricity company so as to maintain a safe working distance. All lines must be assumed "live" until proven otherwise, even if they have been brought down by machinery	2	5	10
Lifting Operations	Falling materials. Collision with overhead power lines, site based mobile plant,	Operatives	3	5	15	All lifting to be performed in accordance with the Site Lifting Plan. Ensure that the operator is physically fit & competent for the work to be undertaken. They must also be over the age of 18 and hold a valid NPORS/CPCS licence. The crane & the lifting tackle must be suitable for the task to be carried out & must have up to date test certificates. Additionally, all the necessary inspections are to have been carried out to in line with legislative requirements. A competent person to check its capability to take the loads to be placed on it should assess the ground. If unsure specialist advice should be sort. Ensure that the	2	3	6

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TASK / OPERATION	POTENTIAL HAZARD	PEOPLE AT RISK	INITIAL RISK			CONTROL MEASURES SPECIFIED	RESIDUAL RISK		
			L	S	RR		L	S	RR
	persons or structures. Extreme weather conditions. Failure of ground. Overturning.					approach & the working area are as level as possible & not in the vicinity of overhead power lines. Ensure that trained & competent persons are appointed as a signaller/slinger & that they are working in the correct manner. Ensure that the safe working load & radius indicator are working correctly. Ensure that the load is not slewing over any persons & that nobody is standing or walking under the load. When travelling ensure that the load is secured & carried as close to the ground as possible & that tag lines are used. Attention must be paid to the weather conditions, as high winds, heavy rain, snow or ice can have adverse effects on the safety of crane operations. Ensure that competent persons are trained in the rescue procedures for medical emergencies involving the crane driver. Ensure that the necessary rescue equipment is available at all times on site			
Poor Ground Conditions	Overturning of plant and equipment. Collapse of excavation	Operatives & Third Parties	3	4	12	Plan in temporary hard standings / roads. Adequately shore all excavations.	2	3	6
Underground Services	Toxic or flammable gases. Electrocution. Contact with severed fibre optic cables.	Operatives & Third Parties	3	5	15	Obtain surveys of existing gas, water, electricity, drainage & all underground/overhead cables. Thoroughly survey site using Cable Avoidance Tools to be used to locate services prior to work starting. Safe digging practices should be observed. All services to be assumed LIVE until proven otherwise.	2	3	6
Excavation	Contaminated ground, buried services, trench collapse	Operatives	3	3	9	Ensure excavations are protected. All excavations will be clearly marked to prevent plant from tipping in. Prevent unauthorised site entry. Agree method statements. Insert shoring procedures. View soil reports for possible contamination present & identify specific H&S requirements. Should unforeseen substances be identified by sight or smell then works will cease & further instruction sought. Ensure operatives wear protective clothing.	2	2	4
Use of Concrete	Skin/ eye damage	Operatives & Third Parties	4	3	12	Adopt appropriate COSHH controls. Avoid contact with skin. Wear PVC gloves at all times. Wear Overalls to ensure arms, legs and feet are covered at all times. Wash off contact area immediately with water. Avoid contact with eyes. Wear eye protection at all times. Wash out point to be established away from drains.	2	3	6
Reinforced Concrete Works	Skin contact, eye damage.	Operatives & Third Parties	4	3	12	Ensure that works are carried out in line with approved method statements. Ensure that all temporary works have been designed, checked, approved & installed in accordance. Ensure that all correct systems of work are in place at all times, i.e., correct PPE. Working at height, manual handling, CPCS, etc. Ensure that all relevant permits are in place.	2	3	6

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TASK / OPERATION	POTENTIAL HAZARD	PEOPLE AT RISK	INITIAL RISK			CONTROL MEASURES SPECIFIED	RESIDUAL RISK		
			L	S	RR		L	S	RR
Use of Concrete Pump	Skin/ eye damage, Head injury from suspended boom hoses, vehicle movement	Operatives & Third Parties	3	4	12	Use of ropes & good manual handling practices to be adopted. Concrete Gang should wear a safety helmet, safety footwear, impervious gloves/gauntlets, high impact goggles & high visibility clothing. Until concrete is flowing smoothly out of the end of the delivery hose, or when a blockage occurs in the boom pipeline, all personnel should remain clear of the delivery hose & placing boom. Under no circumstances should any unauthorised personnel attempt to open the pipeline. All unnecessary personnel including the general public should be kept well away from the concreting area Inc. lower floors & staircases. Vehicles to be reversed under the guidance of a trained Banksman. Keep site personnel out of reversing area.	2	3	6
Use of Shutters	Struck by moving shutter. Fall from height. Muscular-skeletal injury	Operatives & Third Parties	3	5	15	Ensure that works are carried out in line with approved method statements. Ensure that all temporary works have been designed, checked, approved & installed in accordance. Ensure that all correct systems of work are in place at all times, i.e., correct PPE. Working at height, manual handling. Ensure that all relevant permits are in place.	2	3	6
Off Loading & Handling of large steel components	Struck / crushed by components. Muscular-skeletal injury	Operatives & Third Parties	3	5	15	Use mechanical hoist. Ensure appropriate & current test certificates are valid. Use of cordoned area & use Banksman.	2	3	6
Steel Erection	Struck / crushed by components. Falls from height. Muscular-skeletal injury	Operatives	3	5	15	Avoid working under beams during steel frame erection. Approved Method statements. Safe access & protected platform/scaffolding. Use mechanical hoist. Ensure appropriate test certificates are valid.	3	3	9
Waste Disposal	Fire, explosion, asphyxiation, contamination	Operatives	3	3	9	All waste is to be removed from site by licensed carrier or in the case of left over materials by company vehicle. The Site Waste Management Plan will identify materials which are hazardous & to be removed in specific containers. All containers are to be checked for disposal instructions. DO NOT dispose of liquid waste into the local sewerage system or open watercourses. If in doubt seek advice.	2	2	4
Demolition	Collapse of structure, asbestos, vermin, electrocution, fire	Operatives	4	5	20	Only trained & experienced contractors to be employed. Fence off area & display warning notices install temporary shoring as required. Provide suitable edge protection as required. Work to the method statement & demolition plan. Ensure all services are disconnected and made safe prior to commencement. The likelihood of vermin or asbestos being present to be considered. All operatives to be made aware of possibilities & to be watchful. Building to be removed in a recognised manner from the roof to the ground. Do not remove supporting structure until the area above is clear.	2	5	10

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			L	S	RR		L	S	RR
Demolition of Mezzanine	Uncontrolled collapse. Falls from height	Operatives	4	4	16	Structure to be dismantled by hand no cutting of members to be undertaken. Floor to be lifted to expose joints & waste removed to skips. Joints to be unbolted only after the beams/columns have been adequately supported by mobile crane. Members to be removed in sequence & no unbolting of members to be undertaken until released members removed from working area. All exposed leading edges to be protected & warning notices prominently located.	2	4	8
Uncontrolled Collapse	Crushing, instability of structure	All	2	5	10	Wall to be dismantled by means of handheld tools & removed from the top down in courses. Any noted instability of the internal wall is to require all works to cease & further instruction sought from a structural engineer. Designated sterile area to be provided internally during the works - no staff access at any time	1	5	5
Asbestos	Inhalation of fibres, falls through fragile materials	Operatives	3	5	15	All site-based operatives to be asbestos awareness trained. If the presence of asbestos is suspected a survey should be carried out by UKAS accredited consultants to establish the nature & extent of the asbestos prior to the commencement of work. Removal should be carried out by Licensed Contractors & in accordance with an appropriate method statement. Areas should be designated as "asbestos areas" or "respirator zones" as appropriate & clearly marked as such. Access to these areas should be restricted. All equipment contaminated by dust, including extraction & vacuum equipment, must be maintained in a clean & efficient condition. Dust suppression by wetting should be used where appropriate. All waste material (including protective clothing) should be double bagged & labelled "Asbestos". Decontamination units should be available on site. Operatives should not eat, drink or smoke in the designated areas. Operatives must be instructed to never intentionally drill or work asbestos containing materials. If in doubt seek advice.	2	5	10
Cutting Drilling Opening of Structure	Concealed services electrocution, explosion	Operatives	3	5	15	Operatives to check by means of appropriate detectors for hidden services within wall etc. Check opposite side of any wall, which is to be worked on or demolished. Check with M&E contractors for any known routes & ensure services are made safe prior to working. If in doubt Seek Advice.	2	3	6
Contact with Live Services	Electrocution, fire, explosion	Operatives & Third Parties	3	5	15	Check with site management for records of service routes. Before opening any structure or excavation carry out CAT scan & visual inspections. If in doubt seek advice.	2	3	6
Noise	Hearing Loss	Operatives & third parties	4	4	16	Appropriate PPE to be issued to operatives affected by these conditions. Ear defenders to be selected for the appropriate noise range. Noise zones to be established to protect third parties where noise assessment indicates need. Tools to be selected for the operation & to be suppressed, if possible, to limit noise.	3	2	6
Dust	Respiratory problems. Eye	Operatives & third parties	4	4	16	Area to be well ventilated to reduce build-up of dust or dust extraction equipment to be provided. Use water bowsers to dampen the working area to control dust levels. Housekeeping. No eating, drinking or smoking in the vicinity of the work. Good levels of personal hygiene. RPE.	2	2	4

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TASK / OPERATION	POTENTIAL HAZARD	PEOPLE AT RISK	INITIAL RISK			CONTROL MEASURES SPECIFIED	RESIDUAL RISK		
			L	S	RR		L	S	RR
	irritation. Contact dermatitis								
Vibration	Vibration white finger	Operatives	3	4	12	Operatives to be made aware of the symptoms & associated potential for risk associated with the effects of vibration on the body. Gloves are to be worn & regular breaks from the operation are to be taken. Operatives to keep warm in cold weather to ensure circulation is maintained.	2	2	4
Sharps	Cuts & puncture wounds from syringes/needles, broken glass, razor blades or similar. Infection from contaminated syringes etc.	Operatives	3	3	9	Where there is a foreseeable likelihood operatives must be informed in the site induction & the contents of this risk assessment brought to their attention. If there is a reasonably foreseeable risk of sharps being present a site sharps kit will be assembled & kept in the site office. The kit will comprise disposable tongs, stout rubber gloves & 'sharps box' (obtained from health authority). If sharps are discovered & there is not a sharps box on site, a suitable metal or strong plastic container labelled "sharps box" should be used to hold any blades or syringes discovered on site. Avoid putting hands into chambers or voids, behind seat cushions or other places where sharps could have been deposited. If sharps are discovered on site notify the Site Manager. When sharps are discovered, they should be picked up carefully with gloved hands or tongs & deposited in the sharps box or another suitable container. If anyone is wounded by a syringe needle or other sharp, seek first aid advice & notify the site manager.	2	2	4
Leptospirosis	Urine of infected rats or watercourses contaminated with it.	Operatives	3	3	9	Cover all cuts & skin abrasions with waterproof dressings before & during work. Remove any contaminated clothing & wash your hands before eating, drinking or smoking. Control or eliminate rats on site. Use a tool or wear protective gloves to move dead rats. Consult a physician if feeling unwell & inform them that you may have been exposed to rat's urine.	1	3	3
Psittacosis	Any work that involves the likelihood of contact with birds.	Operatives	3	3	9	Cover all cuts & skin abrasions with waterproof dressings before & during work. Remove any contaminated clothing & wash your hands before eating, drinking or smoking. Control or eliminate birds on site. Use a tool or wear protective gloves to move dead birds or their secretions & faeces. Avoid dry sweeping; all waste materials should be wetted with a disinfectant prior to removal. If possible, use local exhaust ventilation. Consult a physician if feeling unwell & inform them that you may have been exposed to birds infected with Chlamydia psittaci.	1	3	3

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TASK / OPERATION	POTENTIAL HAZARD	PEOPLE AT RISK	INITIAL RISK			CONTROL MEASURES SPECIFIED	RESIDUAL RISK		
			L	S	RR		L	S	RR
Scaffolding	Collapse of structure. Falls from height. Falling materials.	Operatives & Third parties	4	4	16	Only authorised & competent persons should erect, modify or dismantle scaffolding (hand-over certificates must be obtained). The structure should conform to BS 5973. The scaffold must be inspected by a competent person weekly or after any alterations or adverse weather conditions. All working areas where it is possible for a person to fall more than 2 metres must have double guardrails & toe boards fitted. Any unused ladder access points or where guardrails & toe boards have been removed for access must have them replaced or fitted. Ties removed for any purpose must be replaced immediately or alternative ties fitted. Traffic movement around the base of the scaffold should be restricted. Operatives must be instructed not to throw items from the top of the scaffold. Very high scaffolds or those close to public areas should be fitted with debris guards or fans. Ground level access ladders must be removed or covered with boards out of working hours to prevent unauthorised access by trespassers.	2	4	8
Mobile Towers	Falls, dropping tools & materials	All	4	4	16	Towers to be erected by trained staff and used correctly. Outriggers, guard rails & toe boards to be used at all times. Towers are not to be moved with operatives still on the working platform. Clear safe area to be designated around the base of the tower or ladder. Ladders to be inspected prior to use & fully extended on flat stable ground. Damaged ladders, trestles etc. are not to be used	2	4	8
Ladders/Steps	Falls from height. Dropping tools	Operatives	4	4	16	All ladders are to be inspected prior to use. Only those without defect are to be used. Steps must be fully extended & locked. Do not work from the top or over stretch - move the steps. Ladders are to be set on stable, level ground & at the appropriate angle for safe use. Ladders should be 'footed' or secured at the top when used for access. The ladder should extend at least 900mm above the edge of the roof for safe access. Ensure 3 points of contact with the ladder	2	3	6
Roof Works	Falls from height, Fragile materials, Dropping tools, Extremes of weather conditions	Operatives	3	5	15	Fragile roofs require the use of crawling boards - do not access this type of roof under any circumstances without the use of boards. If parapets are greater than 900mm no further edge protection is required. Below this height further protection is required either attached to a cherry picker/similar or by means of temporary edge protection. Operative must not walk on or around roof lights - Treat as fragile at all times. Do not work within 2m of exposed edge unless safe to do so. Provide drinking water, knowledge of and monitoring of heat stress symptoms. Ensure shirts are worn at all times and if necessary, ensure that sun block is applied. Provide shelter close to the work area with warming facilities, knowledge of & monitoring for symptoms. Monitor wind speed using an anemometer & cease work if wind speed too high.	2	5	10
Work With or Near Fragile Materials	Falls	Operatives & Third Parties	3	5	15	Detailed method statement to be issued for work to both new and existing roofs	2	5	10
Fire	General fire risks.	Operatives & Third parties	3	5	15	Adequate Site Fire Plan, escape routes kept clear at all times. Suitable fire points to be in place in cabins & building once erection process commences.	2	3	6

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TASK / OPERATION	POTENTIAL HAZARD	PEOPLE AT RISK	INITIAL RISK			CONTROL MEASURES SPECIFIED	RESIDUAL RISK		
			L	S	RR		L	S	RR
Hot Works	General fire risks. toxic fumes. Burns	Operatives & Third parties	3	3	9	All hot work is subject to a permit to work certificate signed by a person in authority. Gas torches must conform to British Standards & be checked before use. All gas bottles/cylinders must be used & stored in accordance with current legislation. All areas affected by hot work must be suitable fenced & signed. Working areas to be kept clear of flammable materials at all times. Suitable fire extinguishers to be on hand at all times whilst hot works are being carried out. Any hot work involving lead or galvanised steel is to be carried out in well-ventilated areas or suitable RPE is to be issued to all affected. No hot works to be carried out within the last 30 minutes of the working day.	2	3	6
Handling/ Installation of Metal Decking	Struck / crushed by components. Falls from height. Musculo-skeletal injury	Operatives	3	3	9	Approved method statements. Use mechanical hoist. Ensure appropriate & current test certificates are valid. Use of cordoned area & use Banksman.	2	3	6
Blockwork / brickwork	Falling Masonry causing injury. Chasing Blocks. Musculo-skeletal injury	Operatives	3	4	12	Operative trained in manual handling techniques & to assess all loads prior to moving. Components sized to permit easy handling & movement by one person. Provision of lifting aids for bulky/heavy components. Clear floor of obstacles. Good housekeeping must be employed to ensure that tools and materials are removed promptly. Materials must not be stacked above the toe boards of scaffolding unless brick guards, debris netting or fans have been fitted. The area below the work should be cordoned off. With the warning notices placed at relevant points. Arrange for scaffolders to erect trestles & provide level or suitably stepped area to erect trestles. Provision of trestles incorporating patented handrails. Regular inspection of trestles. Ensure sufficient support is available until mortar has hardened.	2	4	8
Use of Mortar	Regular skin contact with mortar may cause serious skin conditions & / or burns.	Operatives	5	2	10	Direct skin contact with mortar to be avoided by the use of suitable PVC gloves. Staff to be given a toolbox talk on the dangers of skin contact with mortar. Adequate washing facilities to be provided for staff. First aid equipment to include eyewash bottles of sterile water.	3	2	6
Brickwork / blockwork construction at height	Dropping blocks, Musculo-skeletal injury.	Operatives & Third parties	3	3	9	Bricks, mortar etc. to be transported & lifted onto scaffolding using a mechanical means. Bricks & blocks to be covered in storage to prevent them taking up water & increasing their weight. Spot boards to be lifted to a convenient working height. Trolleys to be used for moving loads of bricks/blocks around the scaffold lift. Arrangements to be identified at the tender stage for the movement of bricks & lintels over 20kg. Bricklayers to be instructed that only scaffolders should modify scaffolds. Scaffolds to be inspected each time before work commences & at least weekly by a competent person; a scaffolding	2	2	4

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TASK / OPERATION	POTENTIAL HAZARD	PEOPLE AT RISK	INITIAL RISK			CONTROL MEASURES SPECIFIED	RESIDUAL RISK		
			L	S	RR		L	S	RR
						diary will indicate records of such inspections. Where ladders are to be used, they are to be erected on solid ground & tied in accordingly. Bandstands with handrails to be used for work on internal walls & erected by trained personnel.			
Installation of Cladding Panels	Struck / crushed by components. Falls from height. Musculo-skeletal injury	Operatives & Third parties	3	4	12	Approved method statements. Use mechanical hoist. Ensure appropriate & current test certificates are valid. Use of cordoned area & use Banksman.	2	3	6
Hazardous Substances	Inhalation, ingestion or contact with hazardous substances.	Operatives	3	4	12	HG Construction will request COSHH sheets from the Subcontractors as appropriate and attach them to the various Method & Risk Assessments. Use vacuum cleaner instead of sweeping. Provide hoses and extraction units to woodworking machinery. Good levels of personal hygiene. PPE.	2	3	6
Storage Of Hazardous Materials	Explosion	Operatives & Third Parties	3	5	15	Site Fire Plan to be operated. Fuel to be in small quantities with spillage trays. Gas bottles to be stored externally in cages. Maintain suitable fire-fighting equipment.	2	3	6
LPG / HFL use & storage	Fire & Explosion	Operatives & Third parties	4	4	16	LPG not to be used unless essential & then the size of cylinder to be kept as small as possible. Cylinders to be kept to a minimum, stored in open air within a secure cage or similar & with appropriate warning signs posted. Cylinders to be isolated except when actually in use. Cabins in which LPG appliances are used to have high and low level ventilation. If LPG appliances are used, annual inspection by a GAS-SAFE registered gas fitter to be available for the appliance. If plumbers are using propane torch within a building, they must have a fire extinguisher with them at the point of use.	2	4	38
Use of Adhesives	Skin Contact, Vision Damage, respiratory problems & waste disposal.	Operatives	3	2	6	Provide good ventilation during application. Take account of COSHH precautions. PPE.	2	2	4
Application of Paints & Coatings.	Vision damage, skin contact,	Operatives & Third parties	3	2	6	Provide good ventilation during application take account of COSHH precautions. PPE. High level applications to be access via safe mobile structures or platforms.	2	2	4

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TASK / OPERATION	POTENTIAL HAZARD	PEOPLE AT RISK	INITIAL RISK			CONTROL MEASURES SPECIFIED	RESIDUAL RISK		
			L	S	RR		L	S	RR
	respiratory problems								
Flooring	Fire, asphyxiation	Operatives	3	2	6	Ensure adequate ventilation to prevent build-up of fumes in enclosed space. No naked flames or smoking to be permitted.	2	2	4
Circuit Testing & Commissioning	Electrocution	Operatives	3	5	15	No operation on any circuitry is to be carried out unless the circuits are designated DEAD & measures are in place to ensure the circuits cannot be energised. No work to LIVE circuits will be permitted unless it is impossible to undertake the necessary checks on a DEAD circuit. If this is to occur a PERMIT TO WORK will be required.	2	5	10

				SEVERITY (S)				
				Minor injuries or discomfort. No medical treatment or measurable physical effects	Injuries or illness requiring medical treatment. Temporary impairment.	Injuries or illness requiring hospital admission.	Injury or illness resulting in permanent impairment.	Fatality
				INSIGNIFICANT	MINOR	MODERATE	MAJOR	SEVERE
				1	2	3	4	5
LIKELIHOOD (L)	Often occurs / once a week	ALMOST CERTAIN	5	5	10	15	20	25
	Could easily happen / once a month	LIKELY	4	4	8	12	16	20
	Could happen or known it to happen / once a year	POSSIBLE	3	3	6	9	12	15
	Hasn't happened yet but could / once every 10 years	UNLIKELY	2	2	4	6	8	10
	Conceivable but only in extreme circumstances / once in 100 years	RARE	1	1	2	3	4	5

RISK RATING = LIKELIHOOD (L) X SEVERITY (S)		
LOW RISK: 1 - 6	MEDIUM RISK: 8 - 12	HIGH RISK: 15 - 25
Low risks are largely acceptable. Where it is reasonable to do so, efforts should be made to reduce risks further.	Medium risks should only be tolerated for the short term & only whilst further control measures to mitigate the risks are being planned & introduced.	High-risk activities should cease immediately. Further effective control measures to mitigate risks must be introduced.

Appendix 6 – Environmental Risk Assessment

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ASSESSOR:	C A Nunn	PROJECT:	Bio Park, WGC			APPROVAL DATE:	March 2025	REVIEW DATE:	March 2026		
POTENTIAL HAZARD	ENVIRONMENTAL RISK	INITIAL RISK RATING			CONTROL MEASURES SPECIFIED	RESIDUAL RISK RATING					
		L	S	RR		L	S	RR			
Dust	Air Pollution	4	2	8	Continual Monitoring / Water Suppression; use water bowsers to dampen the working area to control dust levels. Provide screens to contain dust within site perimeter. Cover soil or debris mounds with tarpaulins to prevent dust becoming airborne.	2	1	2			
Contaminated Waste	Contamination & or external pollution	2	3	6	Site management / Licensed and controlled removal	1	2	2			
Fumes from machinery	Air Pollution	3	2	6	Regular machine maintenance and inspection/ Trained staff / Continual Monitoring	2	1	2			
Noise	Nuisance	3	2	6	Regular machine maintenance and inspection/ Trained staff / Continual Monitoring / Management of working hours	2	1	2			
Oil / Diesel	Ground / Water Pollution / Fire / Explosion	2	3	6	Spillage Kits / Designated Storage Area / Emergency Procedure	2	2	4			
Services	Unintended release of gas/water/ puncture of sewer/ground contamination	2	3	6	Identification of services prior to works commencing / Trained Staff / Emergency Response Procedure	1	3	3			
Traffic	Additional road traffic causing congestion & noise	3	2	6	Management of Working hours and activities within the site	1	2	2			
Waste to Landfill	Overfill of Landfill Sites	3	4	12	Management and identification of recyclable materials / trained staff	2	3	6			
Working Hours	Nuisance & disturbance	3	2	6	Management of Working hours and activities within the site	2	1	2			

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POTENTIAL HAZARD	ENVIRONMENTAL RISK	INITIAL RISK RATING			CONTROL MEASURES SPECIFIED	RESIDUAL RISK RATING			
		L	S	RR		L	S	RR	
Light	Nuisance & disturbance	3	2	6	Positioning of site lighting so as not to cause a nuisance or distraction to neighbouring properties or drivers passing the site.	1	2	2	

SEVERITY (S)							
No measurable environmental consequence, no reputation damage, zero likelihood of prosecution.	Slight impact, small scale event contained on site, possible local media interest, prosecution unlikely.	Moderate impact, recoverable contamination or damage and/ or local reputation damage.	Considerable environmental damage and / or national reputation damage likely.	Major damage on & off site, national reputation damaged and/ or prosecution possible.			
SLIGHT	MINOR	MODERATE	PERMANENT	CATASTROPHIC			
1	2	3	4	5			
Inevitable consequence of activities on site.	INEVITABLE	5	5	10	15	20	25
Frequent potential occurrence. Frequent experience of situation occurring.	LIKELY	4	4	8	12	16	20
Situation may occur once or twice per year.	POSSIBLE	3	3	6	9	12	15
Situation may occur with warning. Less than once in 5 years frequency.	REMOTE	2	2	4	6	8	10
Almost impossible to occur. No instances of situation occurring.	IMPROBABLE	1	1	2	3	4	5

RISK RATING = LIKELIHOOD (L) X SEVERITY (S)		
LOW RISK: 1 - 4	MEDIUM RISK: 5 - 15	HIGH RISK: 16 - 25
Low risks are largely acceptable. Where it is reasonable to do so, efforts should be made to reduce risks further.	Medium risks should only be tolerated for the short term & only whilst further control measures to mitigate the risks are being planned & introduced.	High-risk activities should cease immediately. Further effective control measures to mitigate risks must be introduced.

Appendix 7 - Indicative Welfare Layout.

