Construction Management Plan

Project: Plymouth Grove

August 2023

RECOM SOLUTIONS

Register of Recipients and Amendments

This register is a list of Project persons who are holders of this Plan.

Copy No.	Holder's name	Organisation
1	Maia Webster	RECOM
2		
3		
4		
5		

Record of Amendments

Issue	Date	Comments
Revisions	**Date**	**Comments**

1 Project Overview

The scope of works for this project includes but is not limited to the following:

- A new build PBSA project which compromises all studio rooms within a part five, part seven storey L-shaped building, creating 263 student bedspaces.
- New landscaping plans which achieve a Biodiversity Net Gain
- Student amenities proposed on the ground floor (communal space, private dining room, laundry room) together with supporting ancillary space (bike store, waste collection areas and plant facilities).
- Meeting rooms which can be booked by local residents for meetings

The agreed contents of the Construction Management Plan must be complied with unless otherwise agreed with the Council. The Project Manager shall work with the Council to review the Construction Management Plan should any problems arise in relation to the construction of the development. Any future revised plan must be approved by the Council and complied with thereafter.

2 Programme

Start on Site Date: TBC

Contract Period (weeks): TBC

3 Site Working Hours

The site working hours will be 08:00 to 18:00 on weekdays and 08:30 to 13:00 on Saturdays with no working on Sundays or Bank holidays without prior arrangement.

4 Site Set Up

Security - Physical Means
- 2m perimeter hoarding - CCTV including thermal cameras
Hoardings
Full perimeter hoarding will be in place to prevent unauthorised access into the Construction Site.
Perimeter Alarms, Lighting & CCTV
CCTV to be fitted in various locations around site perimeter. Thermal cameras will be used internally to assist with the early identification of heat sources.
Site Compound and Materials Storage
All materials will be stored within the site perimeter.

5 Access

Vehicle Access Points
Coordination will be required with site personnel.
In general, the hours in which vehicles will arrive and depart will coincide with site working hours which are 08:00 to 18:00 weekdays and 08:30 to 13:00 on Saturdays with no working/deliveries on Sundays or Bank holidays without prior approval. Any parking bays or restrictions needing to be closed off will be carried out with full consultation with Manchester City Council/appropriate neighbours.
Delivery vehicle access will be gained to the site via Dryden Street which is a quiet road.
Dryden Street has single yellow line parking restrictions.
Construction vehicles will enter the site area for loading and unloading by reversing in from Dryden Street into the site and then unload and exit the site in a forward direction.
All delivery vehicles will be controlled by a trained banksman.
The banksman will ensure that traffic flow on Dryden Street is maintained at all times.
No vehicles will be allowed to obstruct Dryden Street
All sub-contractors and suppliers will be required to give no less than 24-hours' notice of deliveries. The movement of materials will be controlled by the Site Manager, who will also be responsible for the coordination and control of all aspects of material deliveries and movement.
Proposed routes for Vehicles between the site and the general road network
Details of agreed access and egress routes will be issued to all our suppliers and subcontractors. This will be policed as far as practicable.
Delivery vehicles with heavy loads will approach the site from Plymouth Grove. Vehicles will enter Dryden Street from the main road. This is shown in Appendix One.
Use of the Dryden Street entrance will reduce impact that deliveries would have via Plymouth Grove.
The Dryden Street site entrance does not impede pedestrians who use the pavement across the street.
Size of Vehicles
Numerous types of delivery vehicles will be used to bring materials to and from the site. These include:
Skip lorries; There are no site restrictions for these and are not limited to the standard 8-yard waste skip lorry (approx. 7m x 2.4m wide).
Muck away lorries; These will be similar in size to the ready mixed concrete lorries (approx. 8.25m x 2.4m wide). Given progress to date there will be a limited number of such vehicles.
Ready mixed concrete lorries (approx. size 8.25 x 2.45m wide).
Flatbed delivery vehicles for the delivery of various materials including scaffolding, reinforcement, bricks/blocks, timber, roofing materials. Plaster, joinery etc (approx. size 8.5m long x 2.45m wide)
Articulated lorries for delivery of various materials.
The projected vehicle movements are approximately 2 per day rising to 3 per day during peak main contract works.
Parking and Loading Arrangements
A strict delivery procedure will be implemented to ensure that Dryden Street does not become congested with site and delivery vehicles. Our Site Manager will ensure traffic flow is maintained at all times.

All sub-contractors and suppliers will be required to give a minimum of 24 hours' notice of deliveries. The movement of materials will also be controlled by our Site Manager. He will be responsible for the control and coordination of all aspects of material deliveries and movement. Vehicles will pull into the site for unloading. Suppliers will be asked to provide a lorry mounted "Moffat" forklift to direct unload. Materials will be stored within the boundary of the site. There is no space on the site for labour and subcontract parking. The adjacent roads all have parking restrictions. However, there are a number of private controlled car parking spaces nearby and these will be utilised where possible. All labour and sub-contractors will be encouraged to use public transport.
Parking bay suspension and Temporary traffic management orders
Suspension of parking restrictions/bays/layby are not envisaged for works associated with the Highway changes.
Personnel Access
Operatives/sub-contractors will attend the site induction prior to accessing the site. A Physical Coded Gate access point shall be put in place to ensure there is no unauthorised access into the site.

6 Pedestrian / Cyclist Safety

The general public/pedestrians/adjoining owners/ residents will have right of way along the roads that surround the site. The construction sites gates will be kept closed and monitored by the Site Manager. Only when deliveries are made to site will they be allowed to be opened, at which time barriers will be put across the pavement to prevent access by pedestrians.

The site manager will ensure that the external perimeter of the site is regularly patrolled to ensure that any debris is kept clear of the pavements and service roads.

Should there be any complaints arising from the works, local residents will be able to call personally to the site offices. Any residents visiting site to raise a complaint will be requested to sign in and the Road Marshall/banksman will escort the visitor to the site offices. A record will be kept of all comments and complaints.

7 Management of traffic to reduce congestion

The Site Manager will be responsible for the day-to-day management of all deliveries to the site. These will be booked in using a Delivery Schedule so as to prevent congestion to the road network that surrounds the site. Should a vehicle arrive that has not been booked in, that vehicle will be turned away.

Vehicles will be brought onto site keeping the roads free for general traffic movement.

In order to reduce traffic movements, we shall off load full loads whenever possible and only accept part loads when essential.

Sub-contractors will be encouraged to use public transport to travel to site. We shall also inform potential sub-contractors that parking is very restricted in the local area and that residents parking bays are not to be used. We will monitor parking, especially on neighbouring roads, to ensure offsite parking is dealt with considerately.

8 Control of dirt and dust on the public highway

Mud and debris on the road is one of the main environmental nuisances and safety concerns arising from construction activity. The Contractor will make provision to minimise this problem.

There will be provision for, at intervals as required by site, cleaning of the road by an “approved” road sweeper company with a suitably adapted vehicle. The road sweeper will ensure the entrance of the site and adjoining roads are clear of dirt and debris.

The Contractor will implement a dust control mitigation plan which may include spraying a fine spray to suppress dust on the following:

- Unpaved areas that are subject to traffic or wind
- Sand, spoil and aggregate stockpiles
- During loading/unloading of dust generating materials

Wheel Washing

During the initial groundworks, all construction vehicles coming into the site will be washed manually on exit as detailed below.

During the construction phase it is not anticipated that there will be significant construction vehicle movements in and out of the site as these will mainly be delivery vehicles who will be distanced from the construction works.

Notwithstanding the above, on the occasion that vehicles do leave the site, the system to be installed will be of a temporary nature and will consist of the following, as a minimum;

- Access/Egress hardstanding area
- Wheel pressure washers (manual)
- Manual inspection to ensure there is no loose debris

Vehicles will be directed to use the wheel wash during times of wet weather, when site conditions dictate its use and/or when the site management consider the use of the wheel wash will safeguard the condition of the highway outside the site.

In the event of mud being tracked on to the lane, the contractor would be responsible for ensuring that the lane was brushed and washed to clear any mud as soon as practical.

Sheeting of Vehicles

Sheeting is used for a variety of reasons:

- to keep materials dry;
- to prevent loss of load during transit as required by Road Traffic Act 1991;
- to keep materials hot;
- to comply with authorisations issued under the Environmental Act 1990.

To manage this, the Contractor will have five options, which are assessed for each required delivery:

- Leave the load unsheeted (if road traffic and environmental law allows it);
- Use automated or mechanical sheeting systems, which don't require people to go up on the vehicle;
- Use manual sheeting systems which don't require people to go up on the vehicle;

- Use work platforms to provide safe access to carry out sheeting from the platform without having to access the load (Figure 9);
- Use gantry/harness systems to prevent or arrest a fall.

If sheeting is required, a risk assessment will be undertaken to identify the potential hazards and mitigation put in place.

9 Communication with local business and residents

We will communicate regularly with residents and local businesses through the following:

- Clear signage displayed on site including head office and site manager contact details
- Meetings with neighbouring properties
- Regular letters / newsletters with updates
- Open door approach to communication

10 Dust Control

All contractors and sub-contractors are made fully aware of their responsibilities and where necessary, dampening down measures which are to be employed where dust is created, especially from tools such as disk cutters.

In dry, windy weather conditions where general site dust is becoming an issue, site dampening measures will be employed to minimise dust hazards.

11 Health and Safety Duties and Responsibilities of all Project Personnel

- Set a personal example to lead in safety and health promotion.
- Understand the company H&S policy, CPHSP Plan and appreciate the responsibility allocated to each team member
- Attend the project Safety Induction
- Attend any health & safety training identified by the company, the Project training plan and personally maintain professional competencies.
- Liaise with other managers to clarify responsibilities at physical or organisational interfaces between packages or sections of the project, so that full coordination is maintained

12 Health and Safety Goals

The following Client's H&S Goals and Performance Standards are expected to include:

- No prosecutions or enforcement notices for Health & Safety issues
- No reportable injuries, diseases or dangerous occurrences
- No falls from height of personnel, materials, plant or equipment
- No personnel injured by the movement of plant or vehicles especially during reversing operations
- No slips, trips & falls
- No fires, environmental incidents or cases of public nuisance.
- No cases of occupational dermatitis, 'Hand Arm Vibration Syndrome' (HAVS) or occupational 'Noise Induced Hearing Loss'.

- No cases of occupational injury from manual handling.

13 Site Safety Inductions

Ensure all persons who will work on the project for more than one day receive a project specific induction before they start work on site. The induction shall include:

- Senior management commitment to health and safety;
- the outline of the project;
- the individual's immediate line manager and any other key personnel;
- any site-specific health and safety risks, for example in relation to access, transport, site contamination, hazardous substances and manual handling;
- control measures on the site, including:
  - any site rules,
  - any permit-to-work systems,
  - traffic routes,
  - security arrangements,
  - hearing protection zones,
  - arrangements for personal protective equipment, including what is needed, where to find it and how to use it,
  - arrangements for housekeeping and materials storage,
  - facilities available, including welfare facilities,
  - emergency procedures, including fire precautions, the action to take in the event of a fire, escape routes, assembly points, responsible people and the safe use of any fire-fighting equipment;
- arrangements for first aid;
- arrangements for reporting accidents and other incidents;
- details of any planned training, such as 'toolbox' talks;
- arrangements for consulting and involving workers in health and safety, including the identity and role of any:
  - appointed trade union safety representatives,
  - representatives of employee safety,
  - safety committees;
- information about the individual's responsibilities for health and safety.

14 First Aid Arrangements

Category of risk	Nº employed at location	Minimum number of first-aid personnel
High **e.g., construction sites and depots with workshops, manufacturing or processing facilities.**	Fewer than 30 5 – 50 More than 50 Where there are hazards for which additional first-aid skills are necessary	At least one appointed person At least one first aider One additional first aider for every 50 employed In addition, at least one first aider trained in the specific emergency action

15 Fire & Emergency Arrangements

A site fire & emergency safety plan will be prepared in accordance with the Contractor's own process. An emergency and environmental incident response plan will be completed for this project, posted on site in the office and welfare facilities with arrangements communicated at induction.

16 Production & Approval of Risk Assessments and Safe Systems of Work

Method Statements & Risk Assessments

The Contractor will:

Ensure that sub-contractors submit their Method Statement a minimum of 2 weeks, and preferably 30 days, before they are due to start work on site.

Check and agree the Method Statement before permitting the contractor to commence work on site.

Record this process on the Method Statement Review form.

The subcontractor's 'accepted' method statements will be given a 'CAT A' status. Non-acceptable method statements will be given a 'CAT B' status.

A copy of the completed review form is to be returned to the sub-contractor confirming the Method Statement status.

Maintain a log of all Package Method Statements with their current status using the Method Statement Schedule Form.

Permits to Work

Permit to Work procedures will be implemented to ensure that regularly encountered high risks works are effectively controlled on a day-to-day basis.

Outlined below are the Contractor's own permits to work that may be applicable to particular construction activities: -

- Permit to Dig
- Permit to Enter (Confined Space)
- Hot Work Permit
- General work permit (High risk)
- Permit to demolish
- Permit to Lift
- Permit to work on live electrical apparatus (Commissioning & Testing)
- Out of Hours Work Permit (Working without [Company] Supervision)
- Temporary Works Permits are contained within Section 12 of these procedures.

17 Site Rules

Individual

- All personnel working on this project will attend an induction.
- All site personnel, for their own safety and for the safety of others, are required to fully comply with their employer's task safe working method statement
- All personnel are required to wear a safety helmet, high visibility vest, safety footwear, gloves and appropriate eye protection as identified by risk assessment and method statement. Additional PPE, e.g., hearing protection, will be worn where appropriate.
- Transistor radios, personal stereos / walkmans / iPods or similar, are not to be used.
- The consumption of alcohol and drugs is prohibited.
- Smoking will only be permitted in designated areas.
- C-19 risk assessment and MS to be followed at all times – All operatives to sign up to procedures during induction process.
- No personnel shall indulge in fighting, horseplay or practical jokes within the site perimeter.

Collective

- Any person found to be interfering or misusing fixtures, fittings or equipment provided in the interest of health, safety or welfare will be excluded from the site.
- Visitors must report to the Contractor's own site offices and will be allowed entry at their discretion. Whilst on site visitors are to wear appropriate PPE.
- Vehicle drivers must wear a safety helmet, hi-vis jacket or vest and safety footwear at all times when at risk. Vehicles are not to be reversed in construction areas unless under the control of an authorised traffic marshal / banksmen.
- Every incident (injury or near miss) event must be reported to the Contractor's own.
- No person may operate any mechanical plant or equipment unless they have been trained, have been certificated as competent and are authorised to do so.
- Any mechanical plant or equipment found to be defective is not to be used and should be reported.
- All safety signs and notices must be followed.
- Site fire and emergency alarms, equipment and instructions are designed to protect life. They must be followed.
- Ladders are only to be used as work platforms for tasks of short duration and only if no alternative means of access is readily available. Ladders must always be secured to a structure or securely 'footed' by another person whilst in use. Subcontractor RAMS must allow for this if required.
- Only designated & qualified electricians may make an electrical connection / disconnection, other than at approved plug & socket points, or make alteration to the temporary electrical supply.

18 Environmental

The works will be undertaken in line with the requirements of ISO 14001.

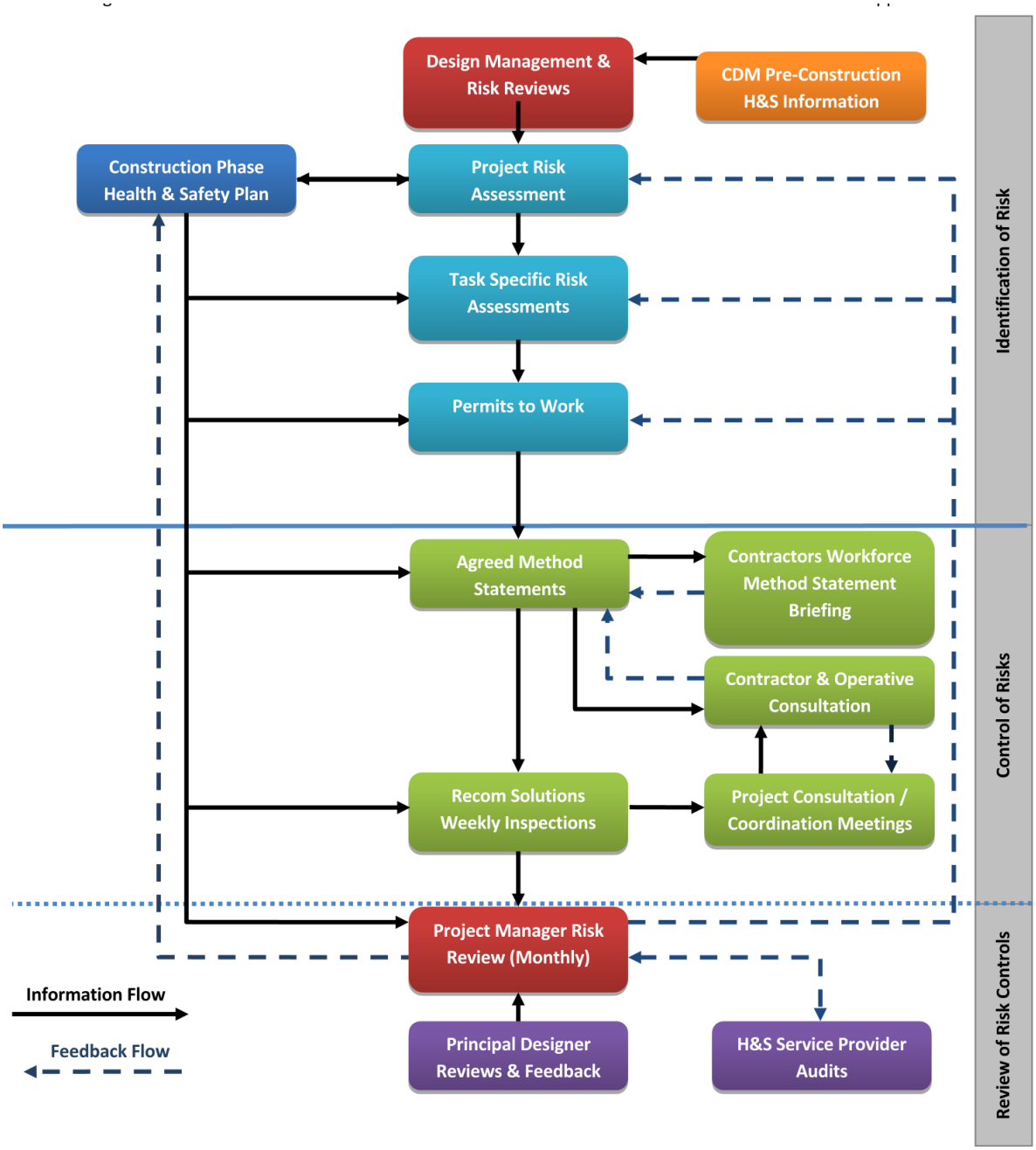
Energy Usage
Where practicable, we seek to source green energy providers for the construction phase. Meters will be supplied for the site enabling energy consumption levels to be monitored.
Fuel Consumption
We aim to procure local contractors and labour for the project therefore minimising transport costs and impact on the local environment.
Waste Management
Any equipment or materials removed in the course of work will be disposed of following the Contractor's Waste Management Plan. The Contractor's Waste Management Plan will meet any minimum regulatory requirements. It is recognised that the majority of materials can be reused or recycled. We aim to maximise recycling on this project by: • Segregation of waste materials • Encourage re-use of materials throughout the company • Avoid landfill Waste materials such as metal, plastics, gypsums and timber will be segregated. Any materials which can be re-used will be taken away and re-used where appropriate. Materials will avoid going to landfill by using appropriate refuge collectors and by monitoring where waste goes by requesting a break down from waste companies. All surplus or waste materials fall into three categories for management, these are: • Re-used • Recycled • Landfill a. Re-used If surplus materials can be used in the permanent works they are classified as materials which have been re-used. If they are surplus to requirements and they can be removed and used in their present form, they will be removed from site for re-use. b. Recycling If the surplus material cannot be re-used in its present form but could be used in a different form, it is sent for recycling such as 50x50 timbers to make chipboard. c. Landfill If either of the above cannot be satisfied then the only option left is to send the surplus materials to landfill. Landfill is a last resort.
General

- Burning of materials on site will not be permitted.
- All vehicles and plant will be fitted with noise suppression devices (where available for the equipment from the manufacturer).
- Radios will not be permitted on the site.
- The workforce will be advised at each induction as to restrictions on noise by careful use of plant, consideration to be shown to adjoining property owners by not shouting unnecessarily or use of inappropriate language.
- Power supply will be provided for the site by the local Electrical Utility Company (reducing CO2 emissions generally)

19 Arrangements for Control of Significant Risks

19.1 Project H&S Management

During the Pre-construction (identification) and Construction (control) stages of a project it is important to undertake regular reviews to establish if all of the risks have been identified and the correct control measures applied.



19.2 Project Risk Review

Significant Risks	Applicable (Y/N)
Delivery and removal of materials (including waste) and work equipment taking account of any risks to the public, for example during access to or egress from the site	Y ☒ N ☐
Dealing with services - water, electricity and gas, including overhead power lines and temporary electrical installations,	Y ☒ N ☐
Accommodating adjacent land use	Y ☐ N ☒
Stability of structures, including temporary structures and existing unstable structures	Y ☐ N ☒
Preventing falls	Y ☒ N ☐
Work with or near fragile materials	Y ☒ N ☐
Control of lifting operations	Y ☒ N ☐
Maintenance of plant and equipment	Y ☒ N ☐
Excavations and work where there are poor ground conditions	Y ☒ N ☐
Wells, underground earthworks and tunnels	Y ☐ N ☒
Work on or near water where there is a risk of drowning	Y ☐ N ☒
Work involving diving	Y ☐ N ☒
Caisson or compressed air working	Y ☐ N ☒
Work involving explosives	Y ☐ N ☒
Traffic routes and segregation of vehicles and pedestrians	Y ☒ N ☐
Storage of materials (particularly hazardous materials) and work equipment	Y ☐ N ☒
Asbestos	Y ☐ N ☒
Contaminated Land	Y ☐ N ☒
Manual Handling	Y ☒ N ☐
Hazardous substances, particularly where there is a need for health monitoring	Y ☐ N ☒
Noise and vibration	Y ☒ N ☐
Work with ionising radiation	Y ☐ N ☒
Exposure to UV radiation (from the sun)	Y ☐ N ☒

19.3 Delivery & Removal of Materials

Risk Detail	**Risk of interaction with Public / Pedestrians at site skip / unloading areas**		
Overview of Proposed Mitigations			
Specific Plan Provided? (Y/N)	Y☒N☐	**Plan Provided in Appendix No.**	Access & Egress Plan/Traffic Management Plan to be provided
SMS Requirement for Specific Plan (Y/N)	Y ☒ N ☐	**SMS Plan Reference:**	
SMS Standards	SS-SMS-02.2.1 Logistics and Storage Process Guide		

19.4 Dealing with Services

Risk Detail	**Ensure all permits are in place before works commence**		
Overview of Proposed Mitigations	Permit requests as per the Contractor's safe system of work.		
Specific Plan Provided? (Y/N)		**Plan Provided in Appendix No.**	
SMS Requirement for Specific Plan (Y/N)	Y ☒ N ☐	**SMS Plan Reference:**	N/A
SMS Standards	SS-SMS-06.1.1 – Risk Assessment Guide SS-SMS-08.1. – Permit to Work Process		

19.5 Preventing Falls

Risk Detail	**Working at height- work above ceilings**		
Overview of Proposed Mitigations	PASMA trained operatives to install alloy towers and inspect weekly.		
Specific Plan Provided? (Y/N)	Y ☒ N ☐	**Plan Provided in Appendix No.**	
SMS Requirement for Specific Plan (Y/N)	Y ☒ N ☐	**SMS Plan Reference:**	N/A
SMS Standards	SS-SMS-14.1 – Work at Height Process		

19.6 Fragile Materials

Risk Detail	**N/A**		
Overview of Proposed Mitigations	Work in accordance to specified RAMS		
Specific Plan Provided? (Y/N)	Y ☐ N ☒	**Plan Provided in Appendix No.**	
SMS Requirement for Specific Plan (Y/N)	Y ☐ N ☒	**SMS Plan Reference:**	N/A
SMS Standards	SS-SMS-14.1 – Work at Height Process		

19.7 Maintenance of Plant & Equipment

Risk Detail	**Hand Tools – To be maintained / tested**		
Overview of Proposed Mitigations	Register of PAT tested tools to be held., LOLER cert to be provided for all lifting equipment including crane		
Specific Plan Provided? (Y/N)	Y ☒ N☐	**Plan Provided in Appendix No.**	
SMS Requirement for Specific Plan (Y/N)	Y ☒ N ☐	**SMS Plan Reference:**	N/A
SMS Standards	SS-SMS-09.1 – Statutory Inspections & Records Process		

19.8 Storage of Materials

Risk Detail	**Ensuring all materials stored within site boundary/Segregated from the public**		
Overview of Proposed Mitigations	As per logistics plan		
Specific Plan Provided? (Y/N)	Y ☒ N ☐	**Plan Provided in Appendix No.**	Access & Egress Plan/Traffic Management Plan to be provided
SMS Requirement for Specific Plan (Y/N)	Y ☒ N ☐	**SMS Plan Reference:**	N/A
SMS Standards	SS-SMS-02.2.1 Logistics and Storage Process Guide		

19.9 Traffic Routes and Segregation of Vehicles & Pedestrians

Risk Detail	**Ensuring works do not impact the flow of traffic, pedestrians and passing public**		
Overview of Proposed Mitigations	Induction to detail how works are managed. All deliveries booked in with site manager.		
Specific Plan Provided? (Y/N)	Y ☒ N ☐	**Plan Provided in Appendix No.**	Access & Egress Plan/Traffic Management Plan to be provided
SMS Requirement for Specific Plan (Y/N)	Y ☐ N ☒	**SMS Plan Reference:**	N/A
SMS Standards	SS-SMS-02.2.1 Logistics and Storage Process Guide		

19.10 Asbestos

Risk Detail	**Asbestos Removal Works**		
Overview of Proposed Mitigations	Asbestos has not been identified on the project		
Specific Plan Provided? (Y/N)	Y ☐N ☒	**Plan Provided in Appendix No.**	
SMS Requirement for Specific Plan (Y/N)	Y ☐N ☒	**SMS Plan Reference:**	
SMS Standards	SS-SMS-19.1 – Asbestos Process Guide		

19.11 Manual Handling

Risk Detail	**Manual Handling - General**		
Overview of Proposed Mitigations	Review in site induction and review individual capabilities.		
Specific Plan Provided? (Y/N)	Y ☐ N ☒	**Plan Provided in Appendix No.**	
SMS Requirement for Specific Plan (Y/N)	Y ☐ N ☒	**SMS Plan Reference:**	N/A
SMS Standards	SS-SMS-06.1.1 – Risk Assessment Guide		

19.12 Hazardous Substances

Risk Detail	**Storage of materials**		
Overview of Proposed Mitigations	COSSH assessment to be provided for Cement, and any silicone works internally		
Specific Plan Provided? (Y/N)	Y ☒ N ☒	**Plan Provided in Appendix No.**	
SMS Requirement for Specific Plan (Y/N)	Y ☒ N ☒	**SMS Plan Reference:**	N/A
SMS Standards	SS-SMS-16.1. – COSHH Assessment Guide SS-SMS-18.1. – Occupational Health Guide		

19.13 Noise and Vibration

Risk Detail	**Noise / Vibration. – Not expected to exceed DB ratings, if so plan to be updated**		
Overview of Proposed Mitigations	Review on site during activity. If an issue is identified, implement an action plan / working out of hours.		
Specific Plan Provided? (Y/N)	Y ☐ N ☒	**Plan Provided in Appendix No.**	
SMS Requirement for Specific Plan (Y/N)	Y ☐ N ☒	**SMS Plan Reference:**	N/A
SMS Standards	SS-SMS-10.1. – Noise & HAV's Process		

5.14 Lifting

Risk Detail	**Lifting**		
Overview of Proposed Mitigations	Crane lifts on site to be planned in advance with slot times given to crane operator and slinger.		
Specific Plan Provided? (Y/N)	Y ☒ N ☐	**Plan Provided in Appendix No.**	N/A (will be provided by Contractor)
SMS Requirement for Specific Plan (Y/N)	Y ☒ N ☐	**SMS Plan Reference:**	N/A
SMS Standards	SS-SMS-10.5. – Lifting		