Principal Contractor
for
[42-50 Thomas St, Manchester, M4 1NA]

Construction Phase Health & Safety Plan
42-50 Thomas St, Northern Quarter, Manchester, M4 1NA

Prepared For
Real Estate Investment (Thomas Street) Limited

Initial Documentation Prepared By
Real Estate Investment Partnerships (Developer Client), and

Henry Riley (Project Manager and Cost Consultant)

It should be noted that the final "Health & Safety Plan" will be produced by consulting and addressing information presented in the Pre-Construction Information which will be obtained / received from the client. This plan should be considered in conjunction with the Principal Contractors health & safety policy and procedures and sub-contractor rules.
It is essential the associated documents are taken into account when reviewing this plan, since they form a complete package on which the Construction Phase Health & Safety Plan is structured.

The Project Manager and Site Manager(s) must sign below to confirm he/she has received and understood the contents of this document and in doing so accepts responsibility for the contents and implementation of the plan throughout the duration of the contract.

If the Site Manager or any other person has any concerns regarding the information or lack of content in the plan then they must inform their Senior Project Manager immediately.

The Project Manager and Site Manager(s) are responsible for ensuring that the Health and Safety Plan is maintained and current throughout the project and periodically reviewing this document to ensure its content is current.

Job Title	Name	Signature	Date
Senior Project Manager	**tbc**		
Project Manager			
Project Manager			
Senior Site Manager			
Site Manager			

The Company requires all workers and sub-contractors to comply with all UK Health, Safety and Environmental Legislation, and the Principal Contractors Health, Safety and Environmental Policy. All work carried out by the company must comply with the Health and Safety at Work Act 1974, and associated Regulations and Approved Codes of Practice.

Revision History

Clause Number	Date of Revision	Description of Revision	Requested By	Completed By
1	29/04/20	Outline Construction Plan	-	-

1. Description of Project (Include copies of any documentation at the end of this section)
a) Project description and programme details including any key dates.
b) Details of the client, principal designer and associated team, designers, principal contractor and contractors.
c) Extent and location of existing records and plans which are relevant to health and safety on site, including information about existing structures when appropriate.
2. Management of the Work
a) Principal Contractors Management Structure.
b) Arrangements for monitoring and review of the health and safety performance, including health and safety goals
c) Arrangements for: Liaison and exchange of information Unforeseen Events / Implementation of design changes Selection and control of contractors Site security Welfare facilities including First Aid Site induction / Training Reporting and investigation of accidents and incident including near misses Production and approval of risk assessments and written systems of work
d) Specific site rules
e) Fire and emergency including first aid
f) Waste management
3. Arrangements for Controlling Significant Site Risk
a) Safety risks include:
- Accommodating access to any adjacent land or buildings
- Maintenance of plant and equipment
- Delivery, storage and removal of materials and plant including the segregation of vehicles and pedestrians
- Storage of hazardous substances
- Dealing with services (water, electricity, gas, compressed air, steam, L.E.V. Systems)
- Stability of structures whilst carrying out work (New, Existing and Temporary works)
- Working on Excavations
- Control of lifting operations
- Working at Height (Roof work, fragile surfaces)
- Work on Confined Spaces
- Work involving explosives or explosive atmospheres (DSEAR)
- Work on or near water where there is a risk of drowning
- Protection of the Public (including occupied premises)
- Any other significant risk
b) Health risks include:
- Asbestos
- Manual Handling
- Hazardous Substances
- Noise and Vibration
- Exposure to UV radiation (from the sun)
- Work with ionizing radiation
- Contaminated land
- Any other significant risk
4. Health and Safety File Format
a) Layout and format

b) Arrangements for collection and gathering of information
c) Storage of information

5. Project Safety Register (sections to be included where applicable)
- F10 (On display) Copy kept
- Asbestos Survey
- Construction Drawings and Specification
- Site Set-up information
- Traffic Management Plan (On display) Copy Kept
- Fire Risk Assessment and prevention (On display) Copy kept
- Emergency & Fire Plan (On display) Copy kept
- Contractor RAM's documentation (including CoSHH)
- Inductions / Training Records
- Toolbox Talks / Safety Alerts
- Permits to Work
- Plant and Equipment including PPE register
- Scaffolding
- Groundwork's / Excavations
- Temporary Works
- Gas Certificates and Documentation
- Waste Transfer Notes
- Environmental
- Health and Safety Audits, Inspection
- Accidents, Incidents and Near Miss Reports
- Considerate Constructors Information
- Site Rules
All documentation listed above will be recorded and displayed on site as per Principal Contractor policies and procedures.

1. Description of the Project

There are 5 existing properties pertained to 42 – 50 Thomas Street. Previously there had been an additional building (48 – 50 Thomas St) that is situated in the bottom left of the site plan below although, due to structural weaknesses, it required demolition. The properties range in age from a Grade II listed 19C warehouse to a number of former weaver's cottages, varying in heights. The buildings have been heavily developed over time creating a labyrinth of small spaces removing a lot of the original historic fabric and existing character.

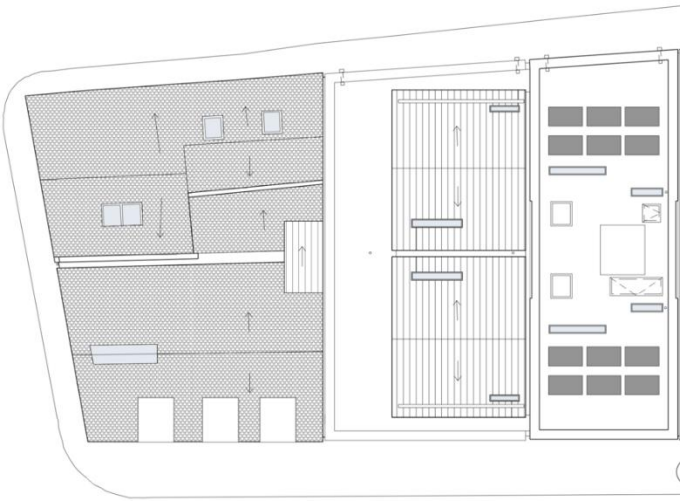
The proposed scheme seeks to develop 42-46 Thomas Street. and reinstate the weavers cottage, 48-50 Thomas Street, respecting the scale and massing of the existing building, but reinterpreting the facade with modern details. 7 Kelvin Street will then be sensitively restored wherever possible, whilst integrating its new residential and retail use. The development will require various remedial works packages to the façade brickwork, timbers, waterproofing, fire protection, strengthening, window refurbishment etc. Once the envelope is secured, the scheme will deliver 19No new lateral apartments and a duplex apartment within the Grade II listed 7 Kelvin St.



Existing Building Plan



Existing Building Aerial Image



Proposed Development Plan

Project Title

Warp and Weft NQ

Project Address

Warp and Weft NQ
42 – 50 Thomas Street
Manchester
M4 1NA

Site Office

The office accommodation will be either on site or close by within an adjacent building. Final position to be agreed with Principal Contractor.

Welfare Facilities

The office accommodation will be either on site or close by within an adjacent building. Final position to be agreed with Principal Contractor.

Early-stage enquiries have taken place with neighbouring landlords for suitable office and welfare. There is a suitable contender available in a nearby property - located less than 0.1 miles away on the 2nd Floor at 42 Edge St, Manchester M4 1HN. This unit has sufficient space and facilities available to service the operations of the site.
Further annotation of this location is outlined in the Aerial Map overleaf.

Storage Compound

Materials will be stored either on site or close by within an adjacent building. Final position to be agreed with Principal Contractor.

Scope of Works/ Client Brief

The scope is detailed in project description above.

Programme Details including and Key Dates (estimated subject to final agreement with Principal Contractor):

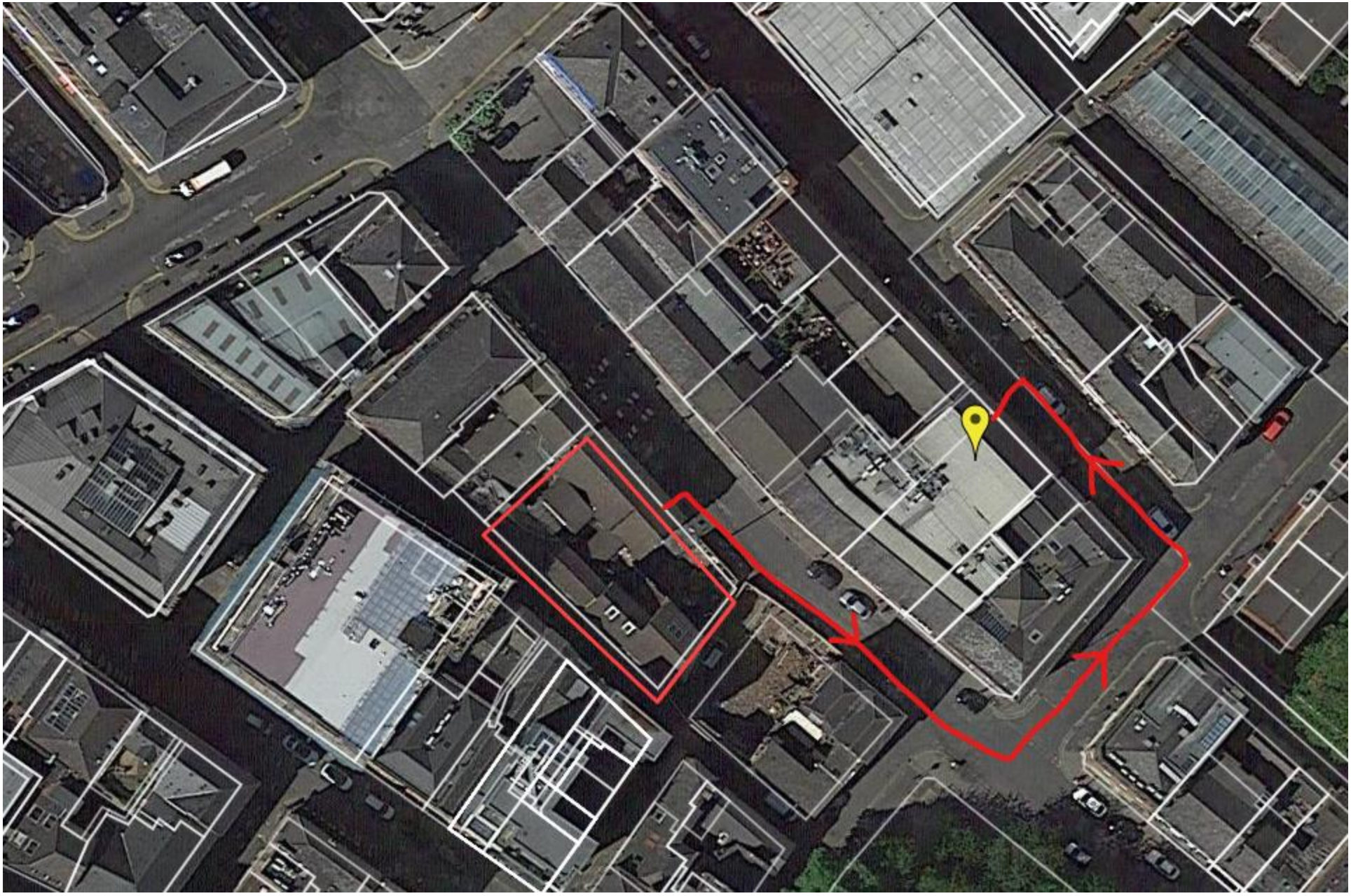
Enabling Works (demolition) start date: tbc
Contract Start Date: tbc
Anticipated completion date: tbc
Duration (Weeks): tbc
Working Hours:
07:30-18:00 Monday – Thursday
07:30-15:30 Friday
08:00-14:00 Saturday

The project is notifiable under CDM 2015. F10 displayed on site noticeboard.

A programme of works will be prepared by the Senior Project Manager for this scheme and will be agreed in principal with the client and design team prior to the works starting.

Should any unforeseen eventualities or conditions change during the construction phase which may affect the agreed procedures in respect of the programme and any Health and Safety matters, this will be brought to the attention of both the client and the principle designer as these become apparent through telephone conversations, e-mails and on site progress meetings.

Aerial Map



1. Description of the Project

a) Management of the Project

Client

Real Estate Investment (Thomas Street) Limited

Principal Designer

TBC.

Principal Design Team

TBC

Address as above.

Principal Contractor

TBC

Other Contractors

The Principal Contractor will act as managing agent to several specialist sub-contractors on this project.

Site Management

Snr Project Manager:
TBC

Project Manager:
TBC

Description of the Project

b) List of existing records, plans, drawings and information received **(**Copies to be kept on site)

Title	Ref No	Appendix
Pre-construction Phase Plan		
F10 Notification Form	TBC	
[highways consultant] – Design Risk Register		
[highways consultant] Design Risk Assessment		
Renaissance Design Risk Assessment		

Existing Environment

- The building is located towards the north of the city centre
- It is surrounded by other properties on all sides. The roads are Thomas Street, Kelvin Street, and Back Turner Street.
- There is a live development site to the south east of our building which is currently on site. Construction above ground has not yet commenced.
- There are live trading businesses within the immediate vicinity.
- The surrounding roads are logistically tight and there are a number of one-way systems and road closures in place.

Existing Building Services, Material and Structure

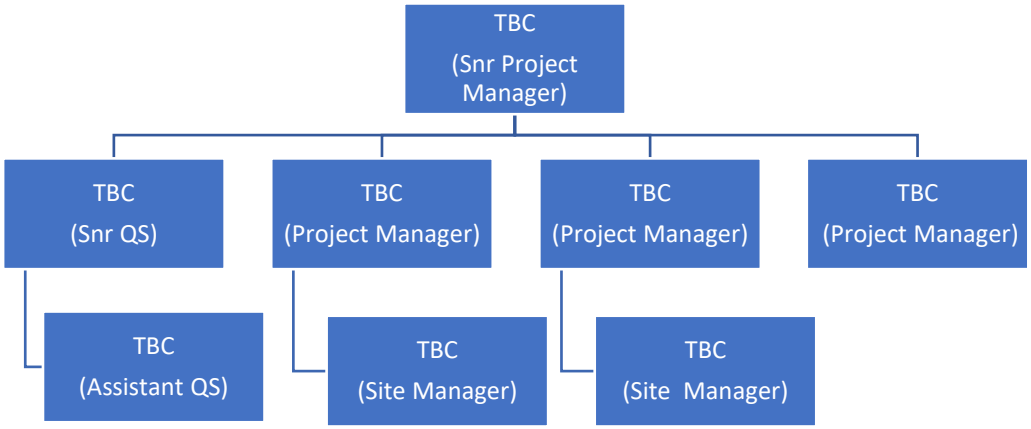
The site as previously described comprises a listed structure to the rear of the site. There is a part demolished section of building on the corner of Thomas St and Kelvin St. The buildings are all brick structures with sated roof coverings. There are no live incoming power supplies into the buildings. The same applies for water and gas. There no live substation within the building.

List of site surveys that will be undertaken:

- A dilapidation survey for the adjoining properties, adjoining public roads and paths.
- A plan and level survey of the construction area
- A survey of the existing surface and foul water system
- An underground service survey
- Environmental Impact Assessment

2. Management of the Works

a) Management Structure



2. Arrangements for Monitoring and Reviews

Arrangements for Monitoring

Arrangements for monitoring will be established by the Principal Contractor to ensure they comply with company policy and procedures and all applicable legal requirements.

This information is also to help reduce and prevent accidents, injury and cases of work related ill health; maintain safe and healthy working conditions and continually improve the health and safety management systems and performance of the company. The Principal Contractor will use this information to periodically review and revise the company health and safety policy and procedures as necessary.

The Snr Project Manager through regular monitoring will, when appropriate, throughout the project review and revise this to ensure the health and safety Plan continues to be relevant to the project and enables management of the project without risk to the health and safety of the site.

Regular monitoring will be undertaken as stated in the table below by the responsible person.

Activity	Responsibility	Frequency	Recorded
Maintaining Records	Site/Project Manager	Daily	On Site
Inspection of site conditions	Site/Project Manager	Daily (Visual) Weekly (Documented)	- On Site
Assessing competency of site staff	Site Manager Supervisor	Daily (on or before induction)	-
Planned H&S Inspections	H&S Advisors Site Manager	Periodic (Documented) Weekly (Documented)	On Site On Site
Examinations of:			
Scaffold & Access equipment	Competent Person	Daily (Visual) Weekly (Documented)	- On Site
Lifting Equipment	Site/Project Manager Competent Person	Daily (Visual) Weekly (Documented)	- On Site
Electrical Equipment	Site/Project Manager Competent Person	Daily (Visual) Weekly (Documented)	- On Site
Personal Protective Equipment	Site/Project Manager	Daily (Visual) Weekly (Documented)	- On Site
Other Plant & Equipment	Site/Project Manager	Daily (Visual) Monthly (Documented)	- On Site
Excavations	Site/Project Manager	Daily (Visual) Weekly (Documented)	- On Site
Welfare Facilities	Site/Project Manager	Daily (Visual) Weekly (Documented)	- On Site
Temporary Works	Competent Person	Daily (Visual) Weekly (Documented)	- On Site

The Principal Contractor will continually review its health and safety performance throughout the project and across its business activities. This is to ensure that on site standards are maintained and achieved.

Health and Safety Goals

The Principal Contractor' safety goals are to aim for a zero accident / incidence rate throughout the life of the project.

Arrangements for:

Liaison and Exchange of Information

The relevant points in the Health and Safety Plan are to be conveyed to the workforce at induction and made readily available, as a reference to all personnel on site

The Principal Contractor will ensure that any relevant changes or developments in this health and safety plan are communicated to all relevant site personnel. This will be done via Site Manager Meetings, Toolbox Talks, Inductions, individual contact, or electronically by e-mail.

The Principal designer has a duty to ensure that the client and designers provide all necessary information, to allow a review of the health and safety aspects of the proposed designs, materials and construction methods and ensure that all the relevant decisions or changes are passed to the principal contractor for dissemination to those concerned.

Any changes in the plan which may affect the public, e.g. changes in road / footpath layouts will be relayed to all concerned through appropriate signage.

The Principal Contractor will consult with all Employees, Sub-Contractors and Self-Employed personnel on all matters, regarding health safety and the environment, which are pertinent to their scope of works.

Regular toolbox talks are given to relay any additional information or instruction as this is identified or arises and any feedback, comments or queries received addressed.

The Principal Contractor will recognise any Safety Representative nominated by the workforce and put in place all facilities to enable them to carry out their duties under the Health and Safety (Consultation with Employees) Regulations. Safety consultation meetings will take place on a monthly basis.

Unforeseen Events / Implementation of Design Changes:

The Principal Contractor shall immediately inform the Client, Principle designer and all others involved in the work, on any unforeseen event, which could create a serious risk:

- to health and safety of all people on the site or members of the public
- to the safety of environmental impacts to adjacent premises / land
- That could result in a major change in the design and / or the resources required to complete the work.

Design changes shall not be made until the proposed changes have been accepted by the Client and Principle design team.

Selection and Control of Contractors:

The Senior Project Manager is responsible for ensuring that all sub-contractors appointed are selected from the Principal Contractor Approved Contractor List. This system in general, will be dealt with at the pre-tender stage of any project and will take the form of a sub-contractor questionnaire and competency check.

Sub-contractors will be expected to produce, prior to commencement of works, site specific Risk Assessments, Method Statements and CoSHH Assessments for the works to be carried out.
These will be assessed by the Site/Project manager using the Principal Contractor RAM's Checklist, with any issues being communicated to the contractor for review. This documentation will be approved by the Site/Project manager as suitable for the task being carried out, and sufficient to the risk involved prior to the sub-contractor being allowed to start work on the site.

Sub-contractors will be expected to supervise their own employees adequately, to ensure that the health and safety of their employees and anyone else who may be affected by their activities is not put at risk. They must also ensure that all their information on Health, Safety and Environmental matters on the site, are disseminated throughout the workforce and to any other relevant contractors.

All sub-contractors must ensure that any Tool, Plant, Machinery, Vehicles or PPE used on site are fit for purpose and comply with all statutory safety provisions. Principal Contractor reserves the right to inspect any of the above items and remove them from site if deemed unsuitable.

Sub-contractors found to be consistently working unsafely or outside these stipulations and Principal Contractor 'Site Rules' will be asked to leave the site.

Site Security

Storage and Welfare Facilities will be made secure when not in use. Any other items such as tools will be locked in secure containers or removed from site. All large mobile plant will be secured and any keys removed from the plant, stored securely or removed from site.

Only authorised and inducted personnel will be granted authorised access onto site. Access to site will be via automated turnstile system with biometric finger print technology. This will log all dates and times for everyone entering and leaving site.

Operatives must also wear high visibility clothing bearing their respective company logo. Principal Contractor will ensure that all client security arrangements are adhered to.

The site and compound will be secured, initially using CCTV and audio system.

Welfare Facilities including First Aid

The Principal Contractor will ensure that suitable and adequate welfare facilities are provided and adequate for the number of persons employed as stated in the CDM Regulations 2015. Sub-contractors are expected to share facilities provided by the Principal Contractor.

Welfare facilities will be located as stated in section 1a of this plan and will comprise of a Male and Female toilets, and rest room with hot and cold running water, drinking water, Suitable seating with full and food preparation area comprising of microwave, kettle and fridge.

Running water will be provided from the mains water connection can be arranged with the local utility company.

Barrier creams / sun lotion will be made available for operatives working outdoors or in direct contact with UV rays.

Site Induction & Training

All Principal Contractor employees, including sub-contractors and self-employed will attend a site induction prior to commencing work on any Principal Contractor Site. This induction will include:

- Specific Site and Client Rules.
- Relevant information on any hazards arising from the project
- Relevant Risk Assessment, CoSHH Assessment and Method Statements for their specific tasks.
- Emergency procedures for the site.
- Welfare and First Aid Facilities.

Training certification will also be checked and copies obtained. Any Principal Contractor employee, sub-contractors or self- employed personnel arriving for induction without the relevant training or documentation will not be allowed to start work on site.

All operators of plant, machinery and portable electrical equipment will have been suitably trained and have all the relevant licences, records or trade card e.g. CPCS, NPORS or equivalent, before being authorised to use any of these items on the site.

Both sides of all sub-contractor skill cards will be copied and kept on record within the Project Safety Register.

Records of Principal Contractor employees will be maintained at the Principal Contractor's head office along with all staff training, and can be checked and referenced on request.

Reporting & Investigating Accidents, Incidents and Near Misses

Should an accident / incident or near miss happen on site, the relevant forms should be completed in addition to statutory requirements i.e. RIDDOR.

The Site/Project manager is responsible informing any accident or incident that results in an operative injury or damage to any structure or property no matter how minor and a report sent to the within 24 hrs.

All accidents, incident and near misses will be investigated by the Project Management or by the Central Services dependant on its severity. Suitable corrective action will be implemented to prevent any recurrence. The project management in conjunction with Central Services is responsible for ensuring this happens.

Any RIDDOR events will be reported to the HSE within the given times scales by Central Services.

Production and approval of risk assessments / safe systems of work:

The site manager will carry out a risk assessment for any of the Principal Contractor activities, which pose a significant risk. Hazards will be identified and risks eliminated, reduced and controlled.

The site manager will ensure that all risk assessment, method statements or safe systems of work are communicated to the appropriate operatives including sub-contractors and a signature received before commencing the work.

Where risk assessments or CoSHH assessments identify specific work activities that are particularly hazardous, then additional control measures will be put in place. For example: - Permit to Work Systems (PWS).

Permits to Work are required, but not limited to the following activities:

- Electrical Isolation
- Confined Spaces
- Lift shaft access
- Hot Work
- Temporary Work / Load and Strike
- Plant & machinery
- Excavations
- Gas Installations
- Roof work / Working at Height

Specific Site Rules

Site Safety Information and Rules

Site operatives will be encouraged by the Principal Contractor project management team, should they have any concerns relating to health and safety on this site, or have any views as to how health and safety could be improved. Any comment made will be received as a positive contribution towards maintaining safe systems and a safe place of work.

Fire and Emergency

Fire and emergency protocols will be implemented in accordance with Principal Contractor procedures and current legislation.

The Project manager will develop a site-specific fire risk assessment (FRA) which will be located in the site safety files within the site office. The FRA will help the Project manager to formulate a Fire & Emergency plan which will cover how the site is to be evacuated, means of escape, assembly points, location of firefighting equipment and how to alert the emergency services. The plan will also detail how emergency vehicles and personnel will access the site. All personnel will be made aware of fire procedures on site during their induction, and take part in any drills that are arranged.

The site offices and wider site in general will be fitted with the appropriate firefighting equipment, which will be maintained on a regular basis.

Details of agencies such as Ambulance, Fire, Police, Hospital, Electricity, Gas and Water are listed below.

The Principal Contractor will operate a ‘NO SMOKING POLICY’ and smoking will not be tolerated, in and around the immediate vicinity of the site and work area. This includes use of vapour and e-cigarettes. Smoking will only be allowed in clearly marked designated smoking zones.

The onsite Fire Marshall will be: TBC

First Aid Arrangements

The Principal Contractor will ensure that there are adequate First Aid facilities and trained personnel on site in accordance with Principal Contractor’s procedures and The Health and Safety (First-Aid) Regulations 1981. Details of personnel and location of First Aid facilities will be included in the Site Induction documentation and posted on site noticeboards. All First Aid Kit will be maintained in line with BS8599-1.

The onsite First Aider/s will be: See site mandatory notice board for designated First Aiders

Use of Mobile Phones

Use of mobile phones and electronic devices will only be permitted in designated zones and welfare facilities. Mobile phone usage will not be tolerated in live work areas.

Smoking (including vapour and e-cigarettes)

Smoking will not be permitted under any circumstances, other than in clearly marked smoking zones. Anybody observed smoking in or around live working areas will be removed from site.

Emergency Site Plan

The Site Emergency Co-ordinator is: TBC

The emergency contacts are listed below. In the event of an emergency dial 999, for general enquiries use contacts listed. Contact should be established with the following Emergency Services/ Organisations:

SERVICE	CONTACT LOCATION	CONTACT TEL. NO.
Police	Greater Manchester Police Grindlow Street Manchester	Non- Emergency Call 101 Emergency Call 999
Fire	Manchester Fire Department Thompson Street New Cross Manchester	Non- Emergency Call 0161 608 5327 Emergency Call 999
Hospital (A&E)	Manchester Royal Infirmary Oxford Road Manchester M13 9WL	0161 276 1234
Environment Agency	National Contact Centre P.O. Box 544 Rotherham S60 1BY	037 08 506 506
HSE Office	HSE North West Bootle Headquarters Redgrave Court Merton Road Bootle L20 7HS	0151 9514 000
Electricity	Electricity Northwest	0800 195 4141
Gas	National Grid	0800 111999
Water	United Utilities	0845 746 2200

Principal Contractor holding statement in the event of <u>Major Incident.</u>	In the event of a <u>Major Incident</u> the Site Manager will instruct all site staff to refer press enquiries to the Principal Contractor's People Services Department Instructing staff to say: *"It can be confirmed that **an incident** has occurred on this site. The incident is being fully investigated internally and with the enforcing authorities with whom we are co-operating fully. To comment further at this stage would be speculative, so until the relevant authorities have had an opportunity to fully investigate the incident, we are not able to answer any further questions".* In the event of further information becoming available at a later stage, this statement will be updated and issued on request from the Senior Project Manager

Waste Management

The Principal Contractor will ensure that all waste generated from any construction activity is stored, contained and disposed of appropriately and in accordance with statutory obligations. An area will be established which will be designated for skips and enclosed using security fencing with signs posted.

The location of the waste store will be agreed with the Principal Contractor and identified within the proposed phasing and methodology during the construction process – this will be concluded with Veronica Wong at MCC in line with the application for highways and footpath closures.

The Principal Contractor will ensure that contractors removing waste are licensed to do so, and carry the respective waste to an appropriately registered waste site/transfer station.

All waste removed from the site will be identified using the appropriate EWC Code and a copy of each Waste Transfer Note will be held on file for a statutory period. Waste skips/bins will not be left overnight or during the weekend on the road or pavement area of the estate unless arranged with the client and adequate control measures provided to prevent accidents. Any surplus materials must be placed inside the secure storage / waste compound.

Wherever possible, waste will be segregated for ease of identification and to enable the waste to be re-used, or recycled.

Maintenance of Plant and Equipment

The Principal Contractor will ensure that Operators of Plant, Machinery and Portable Electrical Equipment have been suitably trained, and have all relevant licences; records or skill cards e.g. **CPCS NPORS** or equivalent, before being authorised to use any of these items on the site. All plant and materials will be inspected and maintained in accordance with the **PUWER 1998** regulations, requirements and manufacturers guidance.

Traffic Management & Construction Logistics

Based on a risk assessment, a site-specific logistics/traffic management plan will be prepared and displayed on the site noticeboard.

Works will be planned to ensure traffic flow is not affected by work activity. Deliveries to site will need to be booked in a minimum of 48 hours in advance and marked on the delivery board with an allocated time slot. As storage is restricted on site, no materials will be allowed to enter site unless the agreed off load area is clear. Any reversing, loading or unloading of vehicles **(except cars and car derived vans)** must always be accompanied by a banks man. Site traffic will be monitored throughout the project to ensure that no unnecessary congestion is caused.

The site will operate a strict vehicle one-way access regime, with only one vehicle being allowed into site at any time, the rest will be held off site and called in to site when the space is available. No vehicle holding will be allowed in the adjacent streets. Parking for site staff and operatives will not be allowed on site and they will have to use the existing public car parking in the city and through the use of public transport. There are a number of public car parks in close proximity of the site such as Tibb Street, Arndale car parking and a variety of flat car parking areas and the train and tram networks are all within walking distance, e.g. Manchester Piccadilly, Shudehill Interchange.

Construction Noise and Vibration

Operations such as piling and reduced level dig can produce significant levels of noise close to the site boundary. We will minimise the impact of this and other noise pollution through the following processes:

- Use construction methods that minimise noise i.e. crushing as opposed to percussion tools; CFA piles as opposed to driven piles etc
- Ensuring haul roads and busy access routes are positioned away from occupied buildings
- Use of temporary enclosures local to the work area
- Ensuring the machinery or tools are in proper working order
- Positioning of plant as far as possible from adjacent buildings
- Advance notice of noisy works

Regular meetings with site staff and neighbours will highlight their concerns, and our construction methods and programming will be reviewed and adapted around their requirements.

Liaison will also occur with the LA pollution team to ensure ‘Control of Pollution Section 61 agreements’ are maintained.

Wheel Washing, Dust and Mud Management

Wheel washing

The successful Contractor will be required to keep the surrounding footpaths and roadways clear of all mud, obstructions, materials and rubbish at all times and will be responsible for making good any damage to the roadways, kerbs and footpaths caused by their vehicles or that caused by a sub-contractor's or supplier's transport during the progress of the works.

Given the size and restricted nature of the site, wheeled construction vehicles on the site will be limited. In instances where wheeled construction vehicles are on site, the Contractor will be required to wheel wash to ensure that no mud or debris from the site or delivery vehicles escapes onto adjacent footpaths or roadways. The washing mechanism will be by way of spray washing or a compact city wheel wash unit if space allows.

Dust suppression

The control and management of dust created through activities such as traffic movement, excavating material, breaking out of the existing brickwork/concrete piles or drilling operations will be managed through the following processes:

Dampening of the ground surface to prevent air borne particles being carried by the wind
Avoiding dry cutting materials such as concrete or bricks

- A traffic speed limit on the site to minimise disturbance of dust on the ground by site transport and delivery vehicles

- Using surfaced roads where possible for traffic movements on site
- The use of screens around the working space to contain any dust disturbed
- The use of debris netting to the perimeter of the concrete structures to contain loose debris
- Ensuring spoil being transported from site is in covered wagons

Road sweeping will take place on a regular basis to the site compound, access road and local highway to eliminate mud and debris being transferred the surrounding road network from site.

Sheeting of vehicles
In advance of commencing work, a full risk assessment and safe system of work will be developed in conjunction with the successful contractor for the sheeting methodology of all skips or open topped vehicles leaving site with dust producing material. A solution suitable for the restricted nature of the site will be implemented and may comprise of one or a mixture of the following:

- Automated or mechanical sheeting
- 'Spray' sheeting

Or if either of these solutions are not possible, then a manual sheeting system will be implemented with a fall arrest system (as a last resort and if safe to do so).

Vehicles will be evenly loaded and loaded in designated areas with passing traffic and pedestrians excluded from the area.

The successful contractor will have staff on site that are trained on the safe systems of work (and provide refresher training if required) for using the automated sheeting, manual sheeting, platforms and PPE. These staff will supervise and monitor site tipper sheeting and un-sheeting.

Storage and Use of Hazardous Substance

COSHH assessment and material safety data sheets will be provided and kept on site for any hazardous substances / processes that may be utilised during the work. Where there is a possibility of an alternative material offering a lower level of hazard, this will be used.

Any material or inclusions or exclusions to the project plan, which could be construed as influencing the health and safety of any persons, or the Environment during future maintenance, will be identified for inclusion in the Health and Safety File. The Principal Contractor will control the storage and issue of all Substances Hazardous to Health, a competent person will conduct specific COSHH assessments and ensure all relevant material safety data sheets are obtained, made available and communicated to all relevant staff.

Dealing with any services (Water, Electricity, Gas, Compressed Air, Steam, L.E.V. Systems)

Service drawings are imperative for identification purposes and will be utilised where available.

Other means of service detection and location will also be utilised to confirm service positions on any drawing provided and identify service where no drawing are available

All works that are to be carried out on or around/near gas services will be controlled by a competent gas safe registered representative to ensure compliance with current Gas Safety (Installation and Use) Regulations. National Grid has been engaged and they are working directly with the Principal Contractor

to ensure we comply with the restrictions of the intermediate gas main and the legal easement of 3m is not compromised.

All Electrical works will be carried out by approved Electrical contractors that are a member of NICEIC or ECA and will comply with the latest 17th Edition regulations.

HV cables are within the area, Electricity Northwest are the owners and will work directly with the site teams for works in and around to ensure safe working and to ensure the legal easement is maintained for the cables.

Work on Excavations

Works on site will be undertaken by an approved ground worker. They have specific risk assessments and methods for the works. All works being completed as per the agreed design and in conjunction with the planning agreements.

All excavations will be carried out under a permit to work system controlled by the Principal Contractor Management team and will be subject to regular inspection and will have sufficient protection to comply with the working at height regulations.

Stability of Structures whilst carrying out the work (New, Existing and Temporary Works)

All temporary works will be planned with the aid a competent person.

Temporary Works Coordinator:
Temporary Work Supervisor:
Temporary Works Designer: Renaissance (structural engineer)
Temporary Works Design Checker: Renaissance (structural engineer)

These will be risk assessed and designed with a dedicated method statement developed prior to being put in place. In most cases the temporary works will be undertaken by a specialist sub-contractor. All temporary work will be controlled with the aid of a Permit to Load/Strike.

Likely elements of Temporary Works which will be detailed on the Temporary Works Register:

- Site hoarding
- Piling Mat
- Crane Mat
- Tower crane base
- Formwork/falsework

Note: this list is not exhaustive and further elements will comprise the temporary works register.

Lifting Operations

All lifting operations will be planned by an 'Appointed Person' (AP) as required by LOLER regs. The AP will produce a working Lifting Plan which will detail the safe system of work. The lifting plan will detail responsible persons including 'Lift Supervisor' who will ensure lifting operations are carried out in accordance with the plan.

All Lifting Equipment will have a current certificate of thorough examination, in line with all current legislation.

All accessories for lifting will be examined before first use, when exposed to conditions causing deterioration and every twelve / six month in accordance with 'LOLER'. All examinations will be recorded and records kept.

Lifting operations will include but not be limited to:

- Goods/Passenger hoist
- Tower cranes for distribution of materials and equipment including cladding, formwork.
- Mobile cranes.

Working at Height

All work at heights will be undertaken in accordance with the Work at Heights Regulations 2005 and industry best practice. Where possible 'collective' protection will be utilised in the form of a scaffold, fixed edge protection or mobile tower. Ladders will only be used as a last resort (via a permit system). The most suitable means of access/working platform will be selected specifically for the task.

See Specific Risk Assessments and Method Statements

Scaffold towers and staircases will be suitably designed and inspected at statutory frequencies. SCAFFTAG system to be utilised.

Where the access equipment is selected for use, ground conditions will be included in the 'hazards' section of the appropriate risk assessment. This will ensure the ground can take the load of the access equipment, without subsequent movement.

Working in Confined Spaces

Working within confined spaces, although limited will be managed with use of a permit system. The permit will detail control measures that must be followed. The tasks will be risk assessed.

Protection of the Public (including occupied premises)

Consideration will be given to any scheduled visitor(s) to the site with safe access/egress maintained throughout their visit. Suitable methods will be employed to segregate pedestrians/ and personnel from moving plant and traffic throughout the surrounding areas and on site. Additional signage will be erected where foreseeable risks are present i.e. increased traffic flow.

The Principal Contractor will take care to ensure children and unauthorised persons are prevented from gaining access to dangerous areas which may give cause for any accidents or injuries. Where reasonably practicable, work areas will be created with suitable barriers and signs to prevent access to site as HS(G)151 "Your Next Move"

Any other significant risk (.e. vermin/sharps)

Vermin - In relation to possible pest infestation or vermin problems, information regarding the possible locations of contamination/infestation should be identified prior to works starting, this will include bat nests, bees, nests etc. This will enable the safe removal (if applicable) prior to commencement of works.

If applicable, arrangements will be made for bird nesting and droppings to be removed from site prior to restoration activity. This will be carried out by a specialist contractor.

Manual Handling

Mechanical handling of materials will be considered where possible, to remove or reduce the risks associated with Manual Handling. Where any Manual handling is envisaged, all employees will be trained in the correct techniques, e.g. tandem / kinetic lifting and suitable and sufficient PPE issued as a last resort.

Noise and Vibration

Exposure must be reduced as far as is reasonably practicable by engineering methods as the first control measure. If engineering measures are not within the acceptable limits as stipulate by the Noise at Work Regulation, then extra control measure must be introduced. Levels that require hearing protection are detailed in the Noise at Work Regulations and these can be described as: -

80dB(A) as a first Action Level where hearing Protection Must be freely available for employees and that employees know there is still some risk to their hearing. (Employees must shout to be heard at approx. 2 metres)

85dB(A) as the Second Action level where hearing protection MUST be provided and WORN. (Employees must shout at approx. 1 metre)

All employees will wear ear defenders as defined by the Risk Assessment (SNR number), where the peak action value exceeds **87db(A)**

Radios and media players are not to be used on site.

Exposure to UV radiation (from the sun)

Suitable protection will be available on site for operatives to use.

Ground Conditions

All ground survey reports will be completed prior to works, all necessary controls will be followed during the works.

Health and Safety File

Layout and format

The layout and format of the File including any specific requirements will be arranged with the client and the Principal Designer.

Arrangements for collection and gathering of information

The Principal Contractor will liaise with the client and principle designer at the earliest opportunity on any matters, which could affect future maintenance or installations, and provide all necessary documents and information e.g. material safety data sheets or “as built” drawings for inclusion in the Health and Safety File by the principal designer.

The Principal Contractor does not envisage any future maintenance hazards occurring as a result of their undertakings. However, COSHH Assessments and Material Safety Data Sheets may be made available, purely for information, for inclusion in the Health and Safety File, for any hazardous substances used.

It is the principal designer's duty to develop the Health and Safety File for handover to the client on completion of the project. However, should the role of principal designer be terminated prior to the end of the project, due to there being no additional design work required, then the Principal Contractor will accept the up to date Health and Safety File and include any additional information that has not already been passed to the principal designer for inclusion.

Storage of information

All information will be held electronically and some information will be available as a hard copy on site as per Principal Contractor procedures.

Project Safety Register

These sections are in separate file/s which will be maintained on site.

END OF DOCUMENT