



RISK ASSESSMENT METHOD STATEMENT (RAMS)

STAGE 1 DEMOLITION

RAMS Document Number:
PCS-RAMS-42TS-003_01
16 June 2022

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This method statement is to be reviewed and approved by the PC and the appointed safety officer prior to work commencing.

REVISION SCHEDULE

REVISION	AUTHOR	AMENDMENTS	APPROVED BY	DATE
00	AL	First Submission	SC	15/06/22
01	AL	Updated with Comments	SC	16/06/22

APPENDICES

Appendix A – Risk Assessment

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1.0 INTRODUCTION

This method statement outlines the procedures for the Stage 1 demolition works at the 42-50 Thomas Street project.

The aim of the works is as follows:

- To remove and safely dispose of a masonry doorway infill located in the gable wall at 42 Thomas Street

Key notes:

- Renaissance (structural engineer) has reviewed and approved the partial demolition of this doorway infill as it will have no impact on structural integrity
- Asbestos survey must be completed prior to commencement of works – in the unlikely event that Asbestos is found, the RAMS is to be updated accordingly

The objective of this Method Statement is to provide and document a safe working procedure for employees of the company and other site operatives who may be affected by the work.

A risk assessment for the relevant tasks can be found in **Appendix A**.

Scope of Works:	Stage 1 Demolition
Planned Start Date:	3 rd August 2022
Planned Duration:	3 days
Number of Personnel:	2 scaffolders, 2 demolition personnel
Site Address:	42-50 Thomas Street Manchester, UK

2.0 REFERENCES

- Project Specifications
- Project Demolition Plan
- CDM (Construction Design and Management) 2007 Regulations
- BS 6187-2011 Code of Practice for Full and Partial Demolition
- Advice and guidance provided by the National Federation of Demolition Contractors (NFDC)
- Advice and guidance provided by the Health and Safety Executive
- Control of Asbestos Regulations 2006
- The Health and Safety at Work Act 1974

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3.0 RESPONSIBILITIES

Construction Manager

The Project/Site Manager has the overall responsibility for the implementation of this method statement and other relevant project plans & procedure, as well as allocating adequate resources to accomplish the works stated in the contract as per the contract schedule. They will also ensure that the work and activities are executed onsite in accordance with this method statement, relevant project plans and procedures.

Site Foreman / Engineer

The Site Engineer has the responsibility for the implementation of this method statement and all required technical procedures onsite while being aware of and implementing all other relevant project plans & procedure. They will also ensure the allocated resources are working to execute the works to the required standards and schedules whilst ensuring the risks and corresponding mitigations / controls are being addressed.

Safety Officer

The Safety Officer will be the safety representative for the activities ensuring the implementation of all related safety procedures are in line with the Project Safety Plan and will ensure the works are progressing in a safe manner.

QA/QC Engineer

The QA / QC Engineer shall ensure that works are carried out as per project's specification and the approved procedure/Method of Statement. QA/QC Engineer Responsibility to notifying the engineer for inspection and tests as per ITP if required. They will issue Non-Conformance Reports (NCRs) for any works which has not been completed according to project documentation.

4.0 GENERAL REQUIREMENTS

All requirements provided of the relevant project specification are to be followed in addition to:

- All site operatives to be given site induction and Method Statement briefings and to attended regular toolbox talks (at least weekly).
- CITB/CSCS certification or equivalent as a minimum requirement for all personnel on site.
- All site personnel are to be familiar with the latest government Covid 19 guidelines and requirements
- All required tools are available and in good condition with relevant certification.

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- All machinery, compressors, pneumatic tools etc will be fitted with silencers of approved types.
- All team members are in possession of required / recommended PPE.
- Access platforms, scaffolding, cranes, and lifting equipment to be checked regularly in accordance with current regulations.
- Stringent fire precautions to be implemented and safe, clear paths for egress are to be maintained at all times
- First Aiders, Appointed Persons and First Aid kit(s) commensurate with the total number of site personnel to be maintained on site.
- Should any unforeseen circumstances arise which prevent the works from being carried out, the works shall cease, and all operatives are to regroup and reassess actions to move forward. This may include revising and resubmitting the method statement depending on the severity of the changes required.
- Any amendments to the Method Statement to be agreed and updated/approved prior to execution.

The following PPE is compulsory and must comply with the following standards:

- Steel toe capped/mid soled boots - EN ISO 20345
- Hard Hat – EN 397:1995
- Hi Visibility Vest – EN471:2003 + A1 2007
- Gloves – Standard/Soft Strip EN 388 2121. Hot Works EN388:2003 4244 Sharps EN388:2003 4544. Anti-Vibration EN388:2003
- Safety Eye Protection – standard CE EN 166 FT Certified. For Hot works EN175 F

The following PPE is to be used as and when necessary:

- Ear Protection Ear Plugs CEN352-2 and Hearing Protectors EN352-1:2002
- Overalls for soft stripping – Blue paper overalls, E14325:2004

The following RPE is to be used as and when necessary:

- RPE (respiratory protective equipment) – Half face Sundstrom SR100 EN 140:1998
- RPE (for soft strip or activities generating dust) - P3 Filter Masks EN149:2001

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5.0 TASK SPECIFIC REQUIREMENTS

All requirements provided of the relevant project specification are to be followed in addition to:

- All of the works are to be under the direct control of experienced demolition foremen and managers.
- CCDO certification or equivalent as a minimum requirement for personnel on site.
- Warning signs and notices are to be prominently displayed in and around site.
- Debris drop zones are to be clearly marked, fenced and communicated to the team
- Careful consideration to be given to the stability of the building at all times. The building should not be left in an unstable state at the end of any shifts.
- Excessive disturbance from noises and vibrations to be reduced to a minimum
- Dust emissions to be controlled at the working face and loading away area by a fine water spray if required
- All non-salvageable materials and debris should be cleared from the site as soon as possible. All material shall be deemed non-salvageable unless noted otherwise on the Drawings or Specifications.
- Demolition debris shall be properly disposed of at an approved location, in accordance with the applicable regulations.
- All works at height, as far as practicable, are to be carried out utilising scaffold towers in full compliance with current regulations and TG20 guidelines.
- All scaffolding to be erected and tagged by trained, competent scaffolders in accordance with current regulations and TG20 guidelines.

6.0 LOGISTICS / WELFARE / EMERGENCY PROCEDURE

- Refer to logistics plan in **Appendix B**.
- Vehicle access/egress as shown on logistics plan
- Site welfare facilities as shown on logistics plan, they are to include:
 - Toilet and hand wash
 - Mess facilities
 - First aid facilities

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- Emergency procedure:
 - In the event of an emergency, all site personnel are to assemble at the emergency assembly (muster) point as identified on the logistics plan for the Stage 1 demolition works and remain there until the PC representative confirms it is safe to do so

7.0 MATERIALS, PLANT AND EQUIPMENT

Materials

- Access scaffolding
- Timber infill panelling

Plant and Equipment

- Sledge hammers
- Hammers
- Crowbars / Pinch bars
- Wheel barrows

8.0 SEQUENCE OF WORKS

1. Obtain written confirmation from the PC to commence the demolition works.
2. Once pre-start checks and site safety formalities including tool-box talks have been completed, personnel may proceed with the demolition works.
3. The method utilises manual hand tools, with material also being loaded away by hand.
4. The methodology of works is outlined below:
 - a. Construct tied perimeter scaffolding up to level of masonry to be demolished
 - b. Scaffold to then be signed off by certified inspector
 - c. Exclusion zone to be instated in area with possibility of falling objects
 - d. Soft-strip internal wall surface using hand tools
 - e. Demolish the masonry using hand tools, from the inside of 42 Thomas Street, in a top-down sequence
 - f. Debris are to be manually carried down the internal stairs and out to the disposal point on Kelvin Street and disposed of in accordance with the project specifications
 - g. Doorway to then be boarded up using timber framing
 - h. Scaffold to then be dismantled and removed from site

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Image: Stage 1 Demolition Area

9.0 DOCUMENT RECORDS

Records should be kept of the activities completed including (but not limited to):

- Approved project documentation
- Relevant specifications
- Material safety data sheets
- Permits to work
- As-built documentation
- Inventory of demolished / removed materials

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APPENDIX A

Risk Assessment

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		RISK ASSESSMENT		PCS RA 42TS 002					
ACTIVITY:	Stage 1 Demolition	Rev No.	01						
		DATE	16/06/2022						
LOCATION:	Project Area	PROJECT:	42-50 Thomas Street						
EQUIPMENT TO BE USED		SUBSTANCES TO BE USED		REVISION STATUS					
- As per MS		None		REVISION NUMBER	REVISED DATE				
POTENTIAL HAZARDS / CONDITIONS CONSIDERED (TICK BOX)				PERSONS AT RISK (TICK BOX)					
☒ FALL FROM HEIGHT ☒ FALLING OF MATERIALS ☐ LIFTING OPERATION ☐ FIRE RISK		☐ ELECTRICITY ☒ MANUAL HANDLING ☐ COSHH ☒ ADVERSE WEATHER		☐ DEEP EXCAVATION ☒ SLIPS / TRIPPING ☐ ENVIRONMENTAL RISK ☐ GENERAL PUBLIC					
				☒ EMPLOYEES	☒ PUBLIC				
				☒ SUBCONTRACTORS	☐				
				☒ VISITORS	☐				
MANDATORY HSE REQUIREMENTS (TICK BOX)									
☒ SAFETY INDUCTION ☒ TOOL BOX TALK ☒ PROPER PPE ☒ SAFE WORK PLACE		☒ WORK PERMIT ☒ PROPER TOOLS / EQUIPMENTS ☒ PROPER SUPERVISION ☒ PROPER BARRICADE AND WARNING SIGN IN THE AFFECTED AREA							
PERSONAL PROTECTIVE EQUIPMENT (PPE) REQUIREMENT (TICK BOX)									
☒ SAFETY HELMET ☒ SAFETY BOOTS ☒ GOGGLES / SPECTACLE		☒ GLOVES ☒ MASK ☐ OVERALLS		☐ EAR PLUGS / DEFENDERS ☒ RESPIRATORY / BREATHING APPARATUS ☐ FULL BODY SAFETY HARNESS					
TO REFER OTHER RISK ASSESSMENTS									
1.									
2.									
3.									
4.									
RISK LEVEL									
H (HIGH) – Potential to cause death or permanent injury M (MEDIUM) – Potential to cause loss time injury L (LOW) – An injury treatable with First Aid									
LIKELIHOOD (L)	SEVERITY (S)	CLASS OF RISK (L X S)	RISK MATRIX						
1. HIGHLY IMPROBABLE. 2. REMOTE. 3. POSSIBLE. 4. OCCASIONAL. 5. FREQUENT.	1. NEGLIGIBLE. 2. MINOR. 3. REPORTABLE. 4. SERIOUS. 5. CATASTROPHIC.	HIGH = 15 - 25 MEDIUM = 07 - 14 LOW = 01 - 06	LIKELIHOOD (L)	5	5	10	15	20	25
				4	4	8	12	16	20
				3	3	6	9	12	15
				2	2	4	6	8	10
				1	1	2	3	4	5
					1	2	3	4	5
			SEVERITY (S)						
NOTE: 1. Risk assessment must be addressed to workers by work in charge before starting job. 2. Risk assessment is a continuous process hence to be reviewed depending on activity and risk involved 3. The Site Manager is responsible for monitoring all site activities and associated risks									

		RISK ASSESSMENT					PCS RA 42TS 002		
ACTIVITY:		Stage 1 Demolition					Rev No: 01		
S. N.	HAZARD	HARM	RISK			CONTROL MEASURES	RESPONSIBILITY	RESIDUAL RISK	
			L	X	S				L
General Risks									
1	Transmission of Covid-19	Injury	4x2	8 (M)			- Follow latest government requirements for prevention of transmission of Covid-19 - May include social distancing, regular sanitisation of shared areas, wearing of masks, provision of hand sanitiser etc.	Supervisor	3x2 = 6 (L)
2	Adverse Weather	Material Damage, Injury	4x1	4 (L)			- Check the weather forecast before starting the works - Do not carry-out works in adverse weather conditions	Supervisor	3x1 = 3 (L)
3	Slips, Trips and Falls	Material Damage, Injury	3x3	9 (M)			- Ensure access/egress ways are kept clear at all times - Ensure access/egress ways are clearly marked and through recognised routes (i.e. ladders, stairs) - Ensure materials are stored correctly and removed as soon as practical - Ensure good level of task lighting - Ensure personnel are wearing safety footwear - Cover slippery walkways with anti-slip coatings	Personnel and Supervisor	4x1 = 4 (L)
4	Eye Injury	Serious Injury	3x4	12 (M)			All personnel to wear safety eyewear to BS EN 166 while on site	Personnel and Supervisor	2x3 = 6 (L)
5	Cuts and Abrasions	Injury	3x3	9 (M)			All personnel to wear protective gloves to EN 388 while on site	Personnel and Supervisor	2x3 = 6 (L)

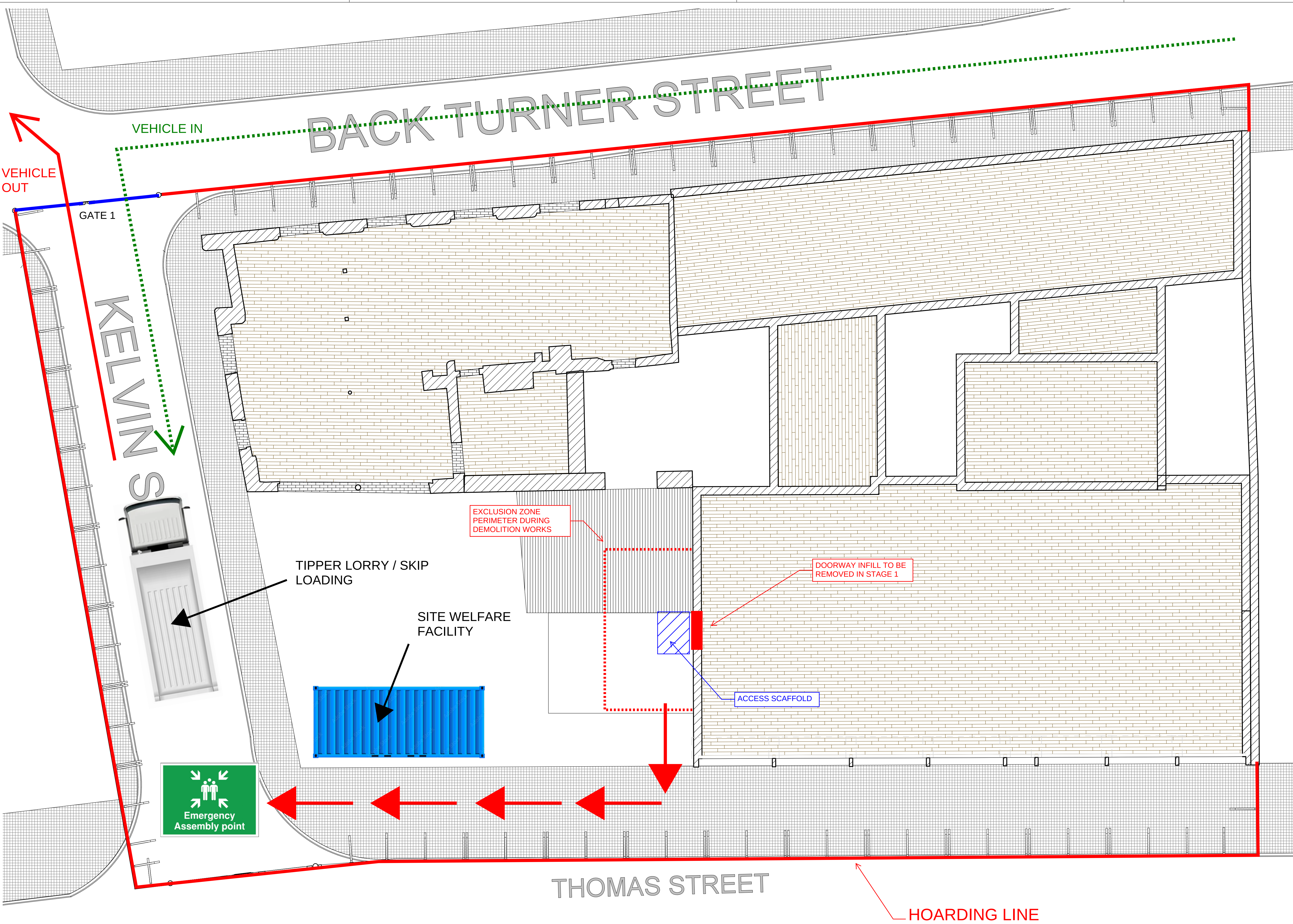
6	Sharps and Needles	Serious Injury	3x4	12 (M)	- All personnel to wear protective gloves to EN 420 while on site - Veritas to be 'on call' during the site inspection - Should anyone identify any sharps or needles on site, the specific area shall be temporarily cordoned-off until Veritas have attended site and appropriately disposed of sharps equipment.	Personnel and Supervisor	2x3 = 6 (L)
Working at Height Risks							
7	Fall of Parts / Materials / Tools	Material & Property Damage, Serious injury	3x3	9 (M)	- All personnel to remain within approved general access areas or safe working platform and to only operate where handrails and toe boards are installed - Lanyards must be provided to all tools and loose accessories and to be secured correctly	Personnel and Supervisor	2x3 = 6 (L)
8	Fall of Personnel	Serious injury, Fatality	3x5	15 (H)	- All personnel to remain within approved general access areas or safe working platform and to only operate where handrails and toe boards are installed - Personnel at all times to proceed slowly and with caution - Should any personnel need to access areas without handrails, further Risk Assessments and controls to be developed and implemented for working at heights	Personnel and Supervisor	2x5 = 10 (M)
9	Collapse of Access Scaffold	Serious injury, Fatality	3x4	12 (M)	- Ensure all scaffolding is suitably designed and design drawings are available on site - Ensure all scaffolding is installed as per design - If any scaffold installed on site is not accompanied with a set of scaffold design drawings, or not signed-off by the scaffold supplier, it shall not be used under any circumstances	Scaffold Supplier	2x4 = 8 (M)
Manual Demolition Risks							
10	Injury from poorly maintained or incorrectly used hand tools	Serious Injury	3x4	12 (M)	- Ensure only trained, experienced personnel are used - Establish exclusion zone to limit personnel access to area	Personnel and Supervisor	2x4 = 8 (M)

11	Inhalation of dust/debris	Injury	3x3	9 (M)	- Good ventilation to be provided in area - All personnel working within exclusion zone to wear particle filter mask to BS EN 149	Personnel and Supervisor	2x3 = 6 (L)
12	Injury from falling debris	Serious Injury, Fatality	3x5	15 (H)	- Establish exclusion zone in any location where debris may fall either deliberately or inadvertently - Ensure all personnel wear hard hats	Personnel and Supervisor	2x5 = 10 (M)
Truck Loading and Movement							
13	Personnel or members of the public being hit by trucks	Serious Injury, Fatality	4x4	16 (H)	- Provide pedestrian free traffic route - Truck drivers to be briefed on travel route - All vehicle movements to be controlled by TTM flagman - All vehicles to observe 5mph speed limit in and out of site	Personnel and Supervisor	3x4 = 12 (M)
14	Dust created during loading	Injury	3x2	6 (L)	Ensure stockpiles are damped down to reduce airborne dust	Personnel and Supervisor	2x2 =4 (L)
ASSESSED BY (NAME):					SIGNATURE:		REV. No: 01
APPROVED BY (NAME):					SIGNATURE:		REV. DATE: 16/06/2022

APPENDIX B

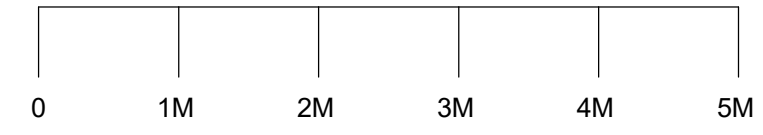
Logistics for Stage 1

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KEY NOTES:

- HOARDING LINE INDICATIVE AND SUBJECT TO DEVELOPMENT IN CONJUNCTION WITH MCC APPROVALS
- MINIMAL SITE WELFARE FOR STAGE 1 TO INCLUDE TOILET, HAND WASH, MESS FACILITIES AND FIRST AID KIT
- EMERGENCY ASSEMBLY (MUSTER) POINT AS SHOWN ON DRAWING - PATH OF EGRESS THROUGH EXISTING STRUCTURE FLOORS/STAIRS
- VEHICLE MOVEMENT THROUGH LOCAL AREA TO BE FURTHER DEVELOPED AS PART OF OVERALL LOGISTICS STRATEGY / TRAFFIC MANAGEMENT PLAN
- INTENT IS TO KEEP CONSTRUCTION TRAFFIC AWAY FROM THOMAS STREET AND UTILISE NETWORK OF ONE-WAY STREETS TO THE SOUTH-WEST OF THE SITE



GENERAL NOTES
1. DO NOT SCALE DRAWING.

Rev	Date	Description	Dra	App
A	13-06-22	ISSUED FOR INFORMATION	JV	AL

Revision Schedule

DEVELOPER

CONSULTANT



CLIENT



PROJECT

42-50 THOMAS STREET

DRAWING TITLE

STAGE 1 DEMO LOGISTICS

Drawn:- Author	Checked:- Checker	Authorised:- Approver	Sheet:-
Level:-	Location:-	Zone:-	Scale:- NTS

Drawing Number PCS-LOG-DWG-011	REV. A
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