

Probability (P)	3	High	9	6	3
	2	Medium	6	4	2
	1	Low	3	2	1
KEY			High	Medium	Low
			3	2	1
			Impact (I)		
Risk Rating (P x I)			High	Medium	Low

Note: The matrix is designed to calculate the likelihood (probability) of the risk causing harm or damage and the outcome (impact)

Capital Programmes & Procurement - Designers Risk Assessment			 MANCHESTER CITY COUNCIL
Project Ref:		Project Title/Description: Demolition of Gorton Neighbourhood Centre, 128 Mount Road, Manchester.	
Client:			
Lead Officers Name:			
Version No.	Date issued:	Contractor (Principal):	
Risk Name/No.:			

Ref No.	Risk/Design Element or potential Hazard	Associated Risks	Risk Rating (P x I) 						Person/s at Risk	Potential Harm	Designers Comments / Controls
			Without Controls			With Controls					
			P	I	Risk	P	I	Risk			

1	Site Access - for plant, operatives and removal of demolition materials arising.	Vehicle traffic / pedestrians - contact with plant.	9	2	18	3	1	3			Traffic Management - The site has the main access point from Mount Road, (see site plan). This can be used for accessing the site for all plant and materials and removing all debris arising from the demolition works. Effective traffic management systems on site shall be established to avoid putting workers at risk of being hit by turning vehicles, slewing or reversing. Where possible, vision aids & zero tail swing machines should be used. A banksman shall be employed to manage the movement of traffic at the site entrance. Principal contractor to detail in their Construction Phase Plan / method & risks assessments, how site traffic will be managed.
2	Demolition Works	General public / trespassers gaining access to the demolition site.	9	2	18	3	1	3			Protection of the Public - Principal Contractor to erect a site enclosure / hoarding 2.4m high which should not be capable of being climbed. Access gates to be secured outside normal working hours. A fool-proof system, for excluding persons from the demolition site at all times must be operated. Signs warning of the danger shall be displayed around the site perimeter. Principal contractor to detail in their Construction Phase Plan / method & risk assessments, how site security will be maintained.
3	Demolition Works Effect the works may have on areas / adjacent properties outside the site boundaries.	Demolition Works Effect the works may have on areas / adjacent properties outside the site boundaries.	9	2	18	3	1	3			Adjacent to the building that is to be demolished are a number of residential buildings. Ensure that plant movement takes this into account to avoid blocking public / private roads. Allow for cleaning public roads in the immediate vicinity if the need arises. Principal contractor to detail in their Construction Phase Plan / method & risk assessments, how the impact of the works on adjacent areas will be managed.
4	Demolition Works Connected 'Live' Services	Demolition Works Connected 'Live' Services	9	2	18	3	1	3			Gas, Electric, Telecommunications etc. - These services to the building will be disconnected by the Client prior to the demolition works commencing on site. The water supply will be left live for use when dampening down dust during the demolition works.

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5	Demolition Works Coming into contact with Hazardous Materials e.g. asbestos etc.	Coming into contact with Hazardous Materials e.g. . asbestos.	9	2	18	3	1	3			An asbestos pre-demolition survey has been commissioned by the Client, Any asbestos containing materials identified in the building shall be removed by the Demolition contractor / his approved licensed subcontractor prior to the main demolition of the structure commencing. Principal Contractor to detail in their Construction Phase Plan / method & risk assessments the requirements for necessary personal protective equipment when working on the site. All works to be carried out in accordance with the Control of Substances Hazardous to Health (C.O.S.H.H.) Regulations.
6	Demolition Works Falling Debris onto public footpaths and highways around the site.	Demolition Works Falling Debris onto public footpaths and highways around the site.	9	2	18	3	1	3			Protection of the Public – Erect a solid hoarding 2.4m high around the boundary of the site. Signs warning of the danger shall be displayed around the site perimeter. Principal contractor to detail in their Construction Phase Plan / method & risk assessments, how site security will be maintained. A temporary closure to the public footpath along the North elevation of the building will be required.
7	Demolition Works Premature / uncontrolled collapse of the structure	Demolition Works Premature / uncontrolled collapse of the structure	9	2	18	3	1	3			Avoidance of Unplanned Collapse – The Principal Contractor shall employ an experienced structural engineer to carry out a detailed structural inspection and assessment of the buildings to be demolished, prior to the works commencing on site. This survey shall identify any weak elements, supports or connections to inform the chosen methods of work and ensure that demolition activities can be carried out in such a way that the unplanned collapse of any part is avoided, by maintaining the structural stability of the remaining parts at all times. A detailed method statement or series of statements shall be prepared before works starts. The statement shall detail the sequence & method of demolition or dismantling of the building to prevent accidental collapse of the structure. It should also include details of personnel access, working platforms and machinery requirements. Task and site – specific risk assessments shall be prepared by a competent person. They shall be experienced and trained in the type of operation being undertaken & shall be appointed

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											to supervise and control the demolition operations.
8	Demolition Works Falls from height.	Demolition Works Falls from height.	9	2	18	3	1	3			The Principal Contractor shall address the issue of falls from height in their method statements & risk assessments. Avoid working at height where possible by using appropriate demolition plant that has sufficient reach. Where operatives need to work at height e.g. pre-weakening or initial soft stripping, allow for all suitable access equipment to maintain their safety.
9	Demolition Works Falling Materials.	Demolition Works Falling Materials	9	2	18	3	1	3			The Principal Contractor shall ensure that sufficient exclusion zones and hard hat areas are maintained whilst there is a risk of falling debris from height. Include for using high reach machines to limit the risk and reinforcing machine cabs so that operators are not injured. Ensure adequate training and supervision of site workers.
10	Demolition Works Noise / Dust and Vibration	Demolition Works Noise / Dust and Vibration	6	2	12	3	1	3			Frequent exposure to noise can permanently damage a persons hearing. Also it can create a safety risk if it makes it difficult for workers to communicate effectively or stops them hearing warning signals. Noise must be kept to a minimum by limiting the use of compressors and pneumatic drills and by fitting silencing devices wherever practicable. Plant with hydraulic demolition jaws ('Munchers') should be used in preference to demolition balls or pneumatic breakers. Noise and vibration assessments are required for hand held power tools. Consider Hand- arm Vibration Syndrome (H.A.V.S.) when using vibrating hand tools, ensure worker exposure to vibration is managed and reduced as far as possible. Dust arising from the demolition works shall be managed via water spraying to reduce the amount of airborne dust. Ensure appropriate PPE is available to operatives to manage the risks from noise and dust generation on site. Suitable noise and vibration monitoring equipment shall be erected on site and reviewed on a regular basis.

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11	Demolition Works Used Hypodermic Needles	Demolition Works Used Hypodermic Needles	9	2	18	3	1	3			Areas outside the building are being used for drug taking, particularly down the left-hand side of the building. The Contract Administrator shall arrange for the Councils 'SHARPS' team to carry out a clean-up of the area around the building to remove all hypodermic needles which are evident, prior to the demolition works commencing. The Principal Contractor shall include in their Risk Assessment / Method Statements, measures which should be taken to protect site personnel if any other used needles are present on site.
12	Demolition Works Fire and Smoke		9	2	18	3	1	3			The open burning of timbers, rubbers, linoleum etc. will be banned on this demolition site. Gas cylinders or similar containers, whether empty, in use or spare shall be stored in a secure ventilated area. Fire could also be a risk where hot works (using any tool that can generate spark, flame or heat) is being done. Or cutting works i.e. steel beams / columns are being cut up. Ensure method statements and risk assessments evaluate the risk of fire on site and detail an effective way to raise the alarm in the event of fire.
13	Demolition Works - The buildings have been unoccupied for several years. There will be no heating or lighting (apart from natural lighting). Serious injury - risk of slips, trips or falls due to poor light levels, or hypothermia setting in due to cold conditions in the building.	Demolition Works - The buildings have been unoccupied for several years. There will be no heating or lighting (apart from natural lighting). Serious injury - risk of slips, trips or falls due to poor light levels, or hypothermia setting in due to cold conditions in the building.	9	2	18	3	1	3			Personal Protective Equipment - Operatives shall wear hard hats at all times when inside the buildings. Staff will wear high-vis vests and safety shoes and boots. In cold weather staff shall dress appropriately. Operatives shall not enter unlit areas without the use of suitable lighting. Principal Contractor to detail in their Construction Phase Plan / method & risk assessments, the appropriate levels of PPE to be worn by operatives during the demolition works.
14	Demolition Works Inappropriate plant used for the works and inadequately trained / unqualified	Demolition Works Inappropriate plant used for the works and	9	2	18	3	1	3			All plant must be in a serviceable condition and suitable for the task it is to perform (LOLER and PUWER Regulations will apply). Operators of all plant must have CPCS certificates for the category of plant they

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	operatives using them.	inadequately trained / unqualified operatives using them.									are operating. For CPCS plant operators, appropriate ref. code is A65 with relevant sub-endorsements A,B,C and / or D as appropriate. In addition, an A58 category card is required for excavators below 10 tonnes and for those above, an A59 category card is required. All demolition operatives should have Demolition Safety Awareness and Manual Handling Training and hold the relevant CSCS card.
15	Waste Inappropriate disposal of waste arising from the demolition works.	Waste Inappropriate disposal of waste arising from the demolition works.	9	2	18	3	1	3			The Principal Contractor shall be responsible for the maximisation of recoverable or recyclable materials arising from the demolition works. The demolition company must produce an in-date copy of any licences e.g. Waste Carriers Licence, Waste Transfer Station Licence and Waste Processing Licence.
16	Demolition Works.	Environmental Conditions.	9	2	18	3	1	3			The work shall only be carried out when the weather conditions do not endanger the health and safety of operatives e.g. windy, icy and rainy conditions. The Principal Contractors risk assessments / method statements shall take into account inclement weather conditions.
17	Demolition Works Inadequate worker involvement.	Demolition Works Inadequate worker involvement.	9	2	18	3	1	3			Everyone involved with the demolition works needs to know what precautions are to be taken on site. Principal Contractor to co-ordinate and manage health and safety issues during the demolition works. Also, to ensure adequate supervision is in place and information is conveyed by suitable methods e.g. tool box talks and on-going day to day management.
18	Demolition Works Operatives carrying out the work have inadequate training.	Demolition Works Operatives carrying out the work have inadequate training.	9	2	18	3	1	3			The Principal Contractor shall ensure that the operatives carrying out the works have appropriate knowledge, skills, training and experience. Operatives shall have adequate supervision and they need to be able to recognise the risks, understand the appropriate systems of work and be competent in the skills to carry them out.
19	Demolition Works.	Operative is taken ill or is injured whilst on the site.	9	2	18	3	1	3			The Principal Contractor shall ensure that a rescue plan is in place for the works and is included in the Construction Phase Health & Safety

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											Plan.
20	Demolition Works.	Demolition Works COVID-19 Virus Spread - Major Hazard to Health.	6	2	12	3	1	3			The Principal Contractor shall adopt COVID-19 prevention measures on site in accordance with all Government & Construction Industry Guidance. Include in the Construction Phase H & S Plan & all Risk.
21	Demolition Works - Site Levelling / Grading.	Fly tipping / Future Development.	9	2	18	3	1	3			The treatment of the cleared site to create a safe and maintainable area that is secure from illegal occupation and fly tipping and in a suitable condition to allow future redevelopment. Knee rail fencing to be installed to prevent access. Any remaining foundations are to be clearly identified in the O&M's to assist with the sites future development.
22	Welfare Facilities.	The operatives on site do not have access to adequate welfare facilities.	9	2	18	3	1	3			The Principal Contractor is to ensure that adequate welfare facilities are available on site from the start of the works until the project has been completed in accordance with Construction (Design and Management) Regulations 2015.

Date of Assessment	Responsible Person	Assessed By	Review Date

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