

PRE CONSTRUCTION PHASE - DEMOLITION RISK ASSESSMENT

Bury Market & Flexi Hall VINCI Building	Register Rev: B Updated: 03/06/24 Next review date: 03/12/24 Contract: NEC3 Option A Programme Rev:	KEY: Key/ Critical Intermediate Minor
--	---	--



RISK IDENTIFICATION & MITIGATION				RISK ASSESSMENT - RESIDUAL RISK			ACTION PLAN - RESIDUAL RISK			
Ref No.	Risk	Potential Impact	Mitigation Action	Likelihood	Consequence	Risk Score/ Category (RAG Rating)	Action Plan	Action Owner	Next Action Target Date	Date Achieved
1	Unplanned or Uncontrolled collapse of structure undergoing demolition	Death or serious injury to demolition contractors, and/or the general public. Damage to adjacent buildings or Property	All demolition works to be carried out by specialist demolition contractors. All demolition works to be supervised by experienced and competent supervisors at all time Exclusion zones to be established though effective hoardings. Liason with TfGM in relation to works adjacent the Transport Interchange. Assessment of Temporary Works requirements prior to commencement of demolition. Stability Assessment to be undertaken by demolition contractor. Removal of market canopies to be undertaken during non trading days, or out of hours.	2	6	12				
2	Falling objects	Death or serious injury to demolition contractors, and/or the general public.	Establish exclusion zones at building perimeters Any loose debris to be removed from height Use excavator with long reach where possible Designate the site a hard hat zone Install falling object protection (scaffold fans) as appropriate Designate a watchman when demolition works take place close to site boundaries.	2	5	10				
3	Demolition Plant movements to and from site	Injury or damage to persons or property	VCUK to establish designated points of access with trained and experienced gateman Plan timing of heavy plant deliveries - target non trading days when the are is quieter Gateman to control access/egress from site	2	3	6				
4	Demolition Plant movements within the site	Injury or damage to persons or property	Speed limit to be established on site Supervisors to ensure plant selected is appropriate to the task in hand Supervisors to ensure plant checks are regularly undertaken Demolition plant to be fitted with orange beacons Personnel to be restricted only to demolition contrators within the designated demolition zone Exclusion zones to be marked around 360' plant. All works to be supervised at all times by suitably trained and experienced demolition supervisor Reversing manouvres only to be undertaken with the aid of a suitably trained and experienced banksman Establish a "thumbs up" policy whereby operatives stop and get plant operators attention - operator gives a thumbs up to indicate they are aware of the operative - operative gives the thumbs up back before passing the machine.	1	5	5				
5	Live Services	Death or serious injury to demolition operatives. Explosion or fire.	Building services survey to be undertaken prior to demolition works. All identified services to be isolated prior to demolition works commencing Residual gas pipework to be purged following disconnection Signage to be installed confirming services have been isolated and are safe Treat services as live unless positively identified as isolated (isolation certificates etc) Establis a Permit to work system	1	5	5				

6	Gas Cutting / Burning or other Hot Works	Death or serious injury to demolition operatives. Explosion or fire.	Undertake a Fire Risk Assessment, and develop a fire plan. Establish a Hot Works Permit system Avoid hot cutting wherever possible by selection of more appropriate cold cutting methods. Where unavoidable, Hot Works/Cutting/Burning should only be undertaken by trained and experienced operatives Hot works to be carried out in accordance with the Hot Work Permit Hot Work to cease minimum 1 hr before end of shift - permit to be closed at the end of each shift Compressed gas bottles are to be stored upright in a well ventilated cage away from drains and secured and locked. Flashback arresters and non return valve must be fitted to gas hoses and bottles - keep hose lengths to a minimum	2	5	10			
7	Exposed Nails	Injury as a result of puncture wound Risk of infection	Supervisors to look out for timber with exposed nails and ensure it is safely stored away from walking routes. Nailed timber to have nails flattened on discovery. Minimum Cut Level 5 gloves to be used by demolition operatives during demolition and soft strip activities. Safety boots with both protective toe AND midsole to be used by demolition operatives.	2	3	6			
8	Glazing / Broken Glass	Injury as a result of cuts or abrasions	Site personnel to be protected from falling glass through use of effective exclusion zones. Wherever possible glass/glazing is to be broken inwards with an excavator. When safe operatives to enter the area and sweep remaining fragments with shovel/brush Minimum Cut Level 5 gloves to be used by demolition operatives. Safety boots with protective toe AND midsole to be used by demolition operatives.	2	3	6			
9	Soft Stripping	Fall from height Serious or minor injuries	Only trained and experienced demolition operatives to be used. Minimum Cut Level 5 gloves to be used by demolition operatives. Eye protection to be worn at all times. Safety boots with protective toe AND midsole to be used. Control hierarchy to be considered when working at height. Avoid if possible. Use of podiums is preferred, or AGR aluminium towers. Operatives MUST be trained in the safe use of any work at height equipment and hold appropriate PASMA certification. All soft stripping to be supervised by trained and experienced supervisors. "bombing" of materials will not be permitted Final disposal method/skip strategy to be confirmed by specialist contractor.	2	4	8			
10	Asbestos Discovery	Long term health problems and diseases such as lung cancer, asbestosis, mesothelioma, chest pain, loss of breath.	Demolition Asbestos survey to have taken place prior to any soft stripping or demolition works. Trained, experienced and Licenced demolition contractor to have removed any known asbestos prior to any soft stripping or demolition works. Demolition operatives to have basic asbestos awareness training. Works to stop immediately if suspect ACM is found. Principal COnttractor to be notified immediately and a licenced asbestos removal contractor to be procured to deal with suspected ACM.	2	5	10			
11	Noise from Plant & Tools	Complaints from neighbouring businesses or pedestrians Reputational Damage Hearing loss or damage to hearing Health problems such as tinnitus	Noise should be controlled and reduced at source as far as is practicable. Noise exclusion zones to be established, and hearing protection to be worn as advised. Careful consideration to the timing of noise generating activities. Noise monitoring to be established. Select remote controlled equipment for tasks if available, to keep operatives away from the noise source.	2	3	6			

[illegible]