



Safety Management Systems Risk Assessment

**Contract : DEMOLITION OF BUILDINGS,
LOWER ROAD, WIDNES**

Client : MSJ GARAGES LTD

Referral Doc: 8409.22 MS(B)

Revision: CONTRACT STAGE

Date: 13/04/22

Contract No: 8409.22

WORKS: Reinstatement Works/Mechanical&Manual Dismantling/Materials Processing										RISK RATING	
Activity affecting	EMPLOYEE	✓	3RD PARTY	✓	VEHICLE	✓	PLANT	✓	PROPERTY	✓	FREQUENCY x SEVERITY
No.	Activity	Hazard					Risk	Control Measures			Residual Risk
1	General site works and presence on-site	Serious injury to site operatives and/or general public and/or damage to company or public property					2 x 3	All operatives must be inducted by E&C/Client prior to commencing works. All relevant method statements and risk assessments must be read and understood and the declaration signed prior to the works. All tools and equipment must be inspected prior to use and must only be used by trained and competent operatives. If for any reason the method statement requires amending or any previously unconsidered risks are discovered then the works must stop while the task is assessed and the supervisor must complete an amendment before continuing <i>Standard PPE: HiVis, Hat, Boots, Gloves, Glasses</i> <i>Extra PPE: FFP3 Respirator, Ear Protection</i>			2
2	Live services	Contact with live electricity cables, gas and water mains					3 x 5	All services are to be isolated/disconnected by the client prior to any works commencing. Confirmations of disconnections and drawings showing status/location of other services in proximity are to be submitted to E&C also. We will proceed with care and will take action as necessary i.e. CAT scan, halt works etc. E&C will hire the services of a qualified services engineer to ensure safe isolations have been completed before commencing any dismantling or demolition. <i>Standard PPE: HiVis, Hat, Boots, Gloves, Glasses</i>			2



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3	Working with Plant and Machinery	Possible death, serious injury or damage to property or equipment from misuse					3 x 4	All heavy plant and machinery must only be used by an operative with valid training and experience. All equipment must be certified for use with a valid inspection certificate and must be inspected by the operatives prior to use <i>Standard PPE: HiVis, Hat, Boots, Gloves, Glasses</i>			2
4	Vehicle Movements and Reversing	Possible death, serious injury or damage to property or equipment from lack of co-ordinated movements					4 x 3	All plant will be assisted by trained banksmen at all times and space will be made available as soon as possible to allow delivery vehicles i.e. Wagons etc. to drive straight into site and turnaround without the need for reversing. Until this is possible a banksmen will assist any reversing vehicle movements related to the site or the works. Works have been scheduled for a weekend to avoid any issues with other site users <i>Standard PPE: HiVis, Hat, Boots, Gloves, Glasses</i>			3
5	Lifting and Manual Handling Operations	Personal Injury to Personnel During Manual Lifting					5 x 2	The bulk majority of manual labour will be carried out prior to the main demo works all remaining manual labour will be sporadic and of low intensity and will be supported by a general manual handling risk assessment. If more intense or heavy lifting is required then the site supervisor must be made aware of the task and a manual handling risk assessment completed prior to commencing the task. <i>Standard PPE: HiVis, Hat, Boots</i> <i>Extra PPE: Gloves</i>			2



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6	Dust Producing Activities	Serious Illness or Death Induced Later in Life by Inhalation of Carcinogens					1 x 5	At the time of writing this risk assessment the only foreseeable operation to produce dust would be from mechanical removal of hardcore based structures. This would be monitored and controlled at all times and will be suppressed by water spraying as necessary. If any other dust producing operations are anticipated then a specific task risk assessment should be carried out. If, for any reason, the public are subjected to increased risk/nuisance that can't be practically reduced/eliminated then the works should be rescheduled for when the area is less busy. Please see the Dust Management Strategy for further detail. <i>Standard PPE: HiVis, Hardhat, Safety Boots</i> <i>Extra PPE: FFP3 Respirator, Goggles</i>			1



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7	Noise Producing Activities	Damage to Hearing or Secondary Hazards by Drowning out Warning Sounds					3 x 3	At the time of writing this risk assessment it is not anticipated for noise levels to exceed 85dBA at the site boundary but the HSE approved '2m rule' will be used as a guide to assess local noise levels. Loud operations will be sporadic and of low intensity and hearing protection will be provided and will be carried out in a manner so as not to affect the general public and nearby land users as well as site operatives. If, for any reason, the public may be subjected to increased risk/nuisance that can't be practically reduced/eliminated then the works should be rescheduled for when the area is less busy. <i>Standard PPE: HiVis, Hardhat, Safety Boots</i> <i>Extra PPE: Ear Defenders</i>			1
8	Vibration Producing Activities	Hand Arm Vibration or Vibration White Finger Caused by Exposure to Vibration Activities					3 x 3	At the time of writing this risk assessment no hand power tools are anticipated to be required for the works and the works have been designed to rely on plant to carry out the works. A drill may be used at times to undo nuts and bolts otherwise spanners will be used. <i>Standard PPE: HiVis, Hardhat, Safety Boots</i> <i>Extra PPE: Ear Defenders</i>			2



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9	Refuelling of Plant, Tools and Equipment	Risk of Spilling Onto Clothes or General Surfaces Creating a Fire Risk or Other Health Hazards					2 x 3	Funnels and smaller filling containers to be used and great care taken when fuelling. No fuelling to be carried out near sources of ignition. In case of power tools the fueller and the operator cannot be the same person. A separate COSHH assessment will be provided. All 360 excavators are fitted with built-in fuel pumps to avoid manual handling and fire risk <i>Standard PPE: HiVis, Hardhat, Safety Boots</i> <i>Extra PPE: Gloves, Fire Extinguisher, Spill Kit</i>			2
10	Visitors on-site	Walking in work area and near excavations or partially demolished structures					3 x 3	All visitors and site personnel to be inducted and accompanied at all times and PPE to be worn by everyone. Excavations or areas with potential trip/fall hazards will need to be fenced off and access restricted <i>Standard PPE: HiVis, Hardhat, Safety Boots</i> <i>Extra PPE: Gloves, Fire Extinguisher, Spill Kit</i>			1
11	Working at Heights	Injury or Death caused from fall from height or impact from falling objects					4 x 5	Access to higher levels to be gained via scaffolding or via MEWP. All scaffolding to be erected by trained scaffolders and inspected by a competent person regularly. MEWPs are to have a valid certificate of inspection and must only be operated by trained operatives. <i>Standard PPE: HiVis, Hardhat, Safety Boots</i> <i>Extra PPE: Harness and Lanyard</i>			4



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12	Working with Asbestos Containing Materials	Risk of Illness Injury or Death as a result of exposure to asbestos materials				3 x 4	An R&D Asbestos Survey has been carried out by others and provided to us by the client this survey shows some ACMs may be present and must be removed to allow demolition works to proceed safely. Removals will be carried out by specially trained operatives and will be disposed of as per the CAR Regs. Even following full removal, all our operatives have received asbestos training and are experienced and will remain vigilant for suspect materials that may be discovered during the works. If any are found works will be halted and the client consulted with regards to having samples analysed by an independent contractor to ensure that ACMs are not present. <i>Standard PPE: HiVis, Hardhat, Safety Boots</i> <i>Extra PPE: Harness and Lanyard</i>				4
FREQUENCY OF OCCURRENCE		SEVERITY OF OCCURRENCE		RISK RATING		ACTION		TIMESCALE			
Improbable/Infrequent		1	Trivial Injury		1	Low	1 - 4	Review Risk & Existing Controls		12 - 14 Months	
Possible/Annual		2	Minor Injury		2	Medium	5 - 9	Review Risk & Existing Controls		6 - 7 Months	
Occasional/Quarterly		3	Major Injury		3	High	10 - 14	Review Risk & Existing Controls		3 - 6 Months	
Frequent/Monthly		4	Major Injuries		4	Major	15 - 19	Plan for Progressive Reduction		3 Months	
Regular/Weekly		5	Single Death		5	Unacceptable	20+	Stop Activity Immediately		Immediately	
Common/Daily		6	Multiple Deaths		6						
Compiled By: Lee Cooper					Date: 13/04/22		Reviewed by: Lee Cooper			Date: 27/04/22	
Signature:							Signature:				

Note: All employees are to be informed of control measures prior to work commencing