Demex Demolition
Risk Assessment for : SUBSTRUCTURE WORKS

Demolition Risk Assessments				**REF: C600 / 742**		
Address: Bungalow & Outbuildings, 29a Cemetery Rd, Hemmingfield, Barnsley, S73 0PU				Assessor / Author: Lee Rowbotham / Calum Hunter	Client: ETON Construction	
General RA's for works.	Reviewed by:	Lee Rowbotham	Date:	19 th-Jan-2022	Signed by:	
L = Likelihood	HP = Potential severity	R = Risk Rating	5 = High	1 = Low based on a 5 x 5 matrix.	The higher the figure the greater the severity.	

Task	Hazard	Who might be harmed?	Initial Risk			Control Measure	Residual Risk		
			L	HP	R		L	HP	R
Manoeuvring of vehicles & plant	Site Vehicle Movements	Employees	4	5	20	Designated safe site speed limit, signage and instruction for traffic route. Dedicated pedestrian access and segregated from site vehicles. All reversing to be undertaken under a banksman. HGV fitted with reversing alarms / warnings. Rotating beacons to all operational vehicles.	1	5	5
	Ground Conditions	Employees	3	5	15	Ground conditions to be assessed prior to commencement of the works and daily during the works by the Demex site supervisor and operational staff. Particular attention shall be required during inclement weather conditions. Pedestrians and plant/equipment to be segregated by use of pedestrian barriers.	1	5	5
	Substructure Services	Employees, plant and equipment	3	5	15	Service location plans to be obtained prior to commencement. Services to be isolated/disconnected where possible prior to commencement. Known live services to be identified, marked up and protected from our works. Plant to be omitted from operating on the location of the service.	1	5	5

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			L	HP	R		L	HP	R
Removal of Slab, Foundations/footings Hard Standing	Noise and Vibration	Employees	3	4	12	A suitable exclusion zone shall be erected around noisy operations. Hearing protection shall be used in close proximity of noise levels greater than 80dB(A). Demex operatives are to undergo annual occupational health screening. Works are to be rotated between operatives. Minimal use of the breaker attachment to be used, the hard standing shall be predominantly removed by use of the bucket attachment.	1	4	4
	Dust	Employees, surrounding area	3	4	12	Dust migration to be assessed by the Demex site supervisor. Dust suppression to be used to suppress dust migration if required upon assessment. Demex operatives to wear their face fitted sundstrom mask c/w P3 filter and pre-filter in dusty conditions.	1	4	4
	Manual Handling	Employees	3	3	9	Demex operational staff are trained in manual handling techniques and are expected to lift or carry heavy items beyond their own capabilities. Demex Demolition shall make mechanical aids for lifting wherever possible.	1	3	3
	Basements	Employees	4	5	20	Locations of basements or voids to be indentified prior to works commencing. Relevent basement or void drawings to be obtained showing location. Structural engineer to review slab capacity. Plant and equipment over the capacity are not to travel on basements or voids. Strictly following methodology before whiles undertaking works. Any open basements or voids shall have adequate edge protection around the excavation if left open.	1	4	4

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			L	HP	R		L	HP	R
Plant loading arising into a waste container	Plant operations	Employees & 3rd Parties	3	5	15	Process area to be deemed an exclusion zone. Only authorised personnel to be permitted in the process area. Authorised personnel to be wearing hi-vis clothing at all times. Plant operators to be trained and authorised.	1	5	5
	Noise	Employees & 3rd Parties	4	4	16	A suitable exclusion zone shall be erected around noisy operations. Hearing protection shall be used in close proximity of noise levels greater than 80dB(A). Demex operatives are to undergo annual occupational health screening. Works to be rotated between operatives.	1	4	4
	Dust	Employees & 3rd Parties	5	4	20	Demex operatives to wear their face fitted sundstrom mask c/w P3 filter and pre-filter. Sensitive areas to be suitably protected from dust. Dust suppression/extraction to be used where practicable. Suitable eye protection to be worn.	1	4	4
Removal of waste from site	Loading/unloading waste bins off and on vehicles	Employees	3	5	15	Exclusion zone to be erected around the bin loading area. Lorry driver/operator to be trained and authorised to load/unload waste containers. Only required personnel to be in the area. Hi-vis clothing to be worn at all times.	1	5	5
	Vehicles manoeuvring on site	Employees & 3rd Parties	3	5	15	Pedestrian and vehicles to be segregated from each on site by use of physical barriers. Only required personnel to be in the area. Hi-vis clothing to be worn at all times. Vehicles to be banked, particularly during reversing.	1	5	5

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			L	HP	R		L	HP	R
Excavation / Removal Foundations & Hard Standings	Substructure Services	Employees, plant and equipment	3	5	15	Service location plans to be obtained prior to commencement. Services to be isolated/disconnected where possible prior to commencement. Known live services to be identified using a cat and genny, marked up and protected from our works. Plant to be omitted from operating on the location of the service. Identified live services are to be hand dug around.	1	5	5
	Excavation / Voids	Employees & Third Parties	4	5	20	Excavation and voids to be backfilled at the end of the working day. If they cannot be backfilled then the excavation / void shall have Heras fencing erected around it. Safety and warning signs shall be posted to the fencing.	1	5	5
	Noise and Vibration	Employees & Third Parties	3	4	12	A suitable exclusion zone shall be erected around noisy operations. Hearing protection shall be used in close proximity of noise levels greater than 80dB(A). Demex operatives are to undergo annual occupational health screening. Works are to be rotated between operatives. Minimal use of the breaker attachment to be used, the hard standing shall be predominantly removed by use of the bucket attachment.	1	4	4
	Dust	Employees, surrounding area	3	4	12	Dust migration to be assessed by the Demex site supervisor. Dust suppression to be used to supress dust migration if required upon assessment. Demex operatives to wear their face fitted sundstrom mask c/w P3 filter and pre-filter in dusty conditions.	1	4	4