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Risk Assessment

Risk Assessment Details

Risk Assessment Number	0000000488
Risk Assessment Date	19-Jul-2016
Risk Assessment Author	Graham Thorpe
Project/Contract	Goldthorpe School
Start Date	01-08-16
Expected job duration	10 week
Client contact	Andrew Osborn
Description	Site Set Up
Site Address	Goldthorpe School High Street Goldthorpe

Signatures

	Name	Title	Signature	Date
Document Author	Graham Thorpe	QEHS	<i>G Thorpe</i>	20/07/16

Data Protection Statement

The information and data provided herein applies only to the contract for which it was written, it shall not be duplicated, disclosed or disseminated by the recipient in whole or in part for any purpose whatsoever without the prior written permission from HS Direct Ltd.

It is the duty of all employees to observe the following Risk Assessment framed to provide a code of good practice and conduct with the object of preventing accidents. At all times employees must work in a safe manner both to prevent personal injury to themselves or to other personnel.

Groups Affected

Members of the public

MHH Staff

Other Contractors

Main Contractor

MHH Contracting

Hazards and Control Procedures :

Pre-Control			Hazard	Residual Risk		
P	S	RR	Slips Trips and Falls: Bruising, Cuts, Broken Limbs - Caused by items left on the floor, water, oil and other slippery surface or poor footwear	P	S	RR
4	2	8	Control Procedures	2	2	4
			Staff will ensure that good standards of housekeeping are maintained at all times, cables and other equipment will be managed so as not to cause a trip hazard			

Pre-Control			Hazard	Residual Risk		
P	S	RR	Vehicle Access Limited: Hit or crushed by vehicle	P	S	RR
4	5	20	Control Procedures	1	5	5
			Banksman to control all vehicles onto site to prevent unauthorised access and ensure no disruption to the local roads and surrounding roads and local businesses are not inconvenienced			

Pre-Control			Hazard	Residual Risk		
P	S	RR	Uncontrolled Collapse: Collision, crushing, entrapment	P	S	RR
4	5	20	Control Procedures	1	5	5
			The dismantling works by 360° Excavator will be carried out in a methodical controlled manner			
			The hand demolition work will be carried out in a structured and methodical manner			

Pre-Control			Hazard	Residual Risk		
P	S	RR	Dust : Respiratory irritation, lung damage eye injury skin condition	P	S	RR
4	4	16	Control Procedures	1	4	4
			Use water suppression to reduce dust			
			Operators to wear dust masks if the demolition creates excessive amounts of dust this will be monitored by the site supervisor			

Pre-Control			Hazard	Residual Risk		
P	S	RR	Heat: Fatigue, Dehydration.	P	S	RR
4	3	12	Control Procedures	1	3	3
			Ensure operators take rest breaks and are rotated to allow for recovery.			
			Provide adequate drinking water supply to prevent dehydration.			

Pre-Control			Hazard	Residual Risk		
P	S	RR	Traffic: Collision, fatality	P	S	RR
4	5	20	Control Procedures	1	5	5
			Work areas are to be kept clear for safe unhindered access			
			Vehicle Banksman to be used when lorries are leaving site to ensure safety of public/pedestrians.			
			A banksman may be required to manage local traffic situations.			

Pre-Control			Hazard	Residual Risk		
P	S	RR	Loading / Unloading deliveries: Serious Injury	P	S	RR
4	5	20	Control Procedures	1	5	5
			Delivery and unloading of plant and equipment to be carried out in a designated unloading area of site under the control of the site supervisor			

Pre-Control			Hazard	Residual Risk		
P	S	RR	Manual Handling: Muscular skeletal disorders - Twisting, Over-reaching, muscular problems, poor techniques load too heavy	P	S	RR
4	3	12	Control Procedures	3	3	9
			Assess the best way to lift, with the maximum weight nearest the body.			
			Ensure that the route to be taken while lifting is clear of any obstructions.			
			The site foreman shall be responsible for identifying and controlling manual handling issues on site			
			Avoid manual handling wherever possible			

Pre-Control			Hazard	Residual Risk		
P	S	RR	Chemicals, Dust, Fumes: Respiratory illnesses, Skin infections, Poisonous chemicals	P	S	RR
4	4	16	Control Procedures	1	4	4
			Suitable gloves to be worn relevant to the task			
			Where available, refer to the coshh assessment and take all precautions that are identified.			

Pre-Control			Hazard	Residual Risk		
P	S	RR	Impact/Crushing: Bruising, Cuts, Crushing, Broken Limbs, Amputation, Death.	P	S	RR
3	5	15	Control Procedures	1	5	5
			Ensure that work area is clear and that access and egress allow room to avoid trapping situations.			
			All personnel to wear PPE at all times when on site. Minimum hi-viz and protective footwear			
			All vehicles and mobile plant are to fitted with audible reverse alarms and flashing amber beacons to provide maximum visibility for site users and staff.			
			360 grab machine must be positioned to ensure clearance minimum 600 mm between body and any fixed objects during rotation to prevent trapping or crushing.			

Pre-Control			Hazard	Residual Risk		
P	S	RR	Collapse of Surrounding Structures: Major Injury, Death	P	S	RR
4	5	20	Control Procedures	1	5	5
			Dismantling works will be carried out in a methodical manner to ensure surrounding structures do not collapse.			

Pre-Control			Hazard	Residual Risk		
P	S	RR	Contact with other plant, vehicles or equipment: Collision, crushing, entrapment	P	S	RR
4	5	20	Control Procedures	1	5	5
			Safe working zone established			
			No Access allowed to any other machinery / contractors			
			Only competent operator to use machine			
			Ensure good all round visibility from the operators position			

Pre-Control			Hazard	Residual Risk		
P	S	RR	Equipment Fit for Use: cuts, falls, broken bones	P	S	RR
4	5	20	Control Procedures	1	5	5
			Daily inspections carried out prior to use of machinery			
			Any faults identified to be repaired before further use			
			Servicing of machinery and inspections by competent engineer			

Pre-Control			Hazard	Residual Risk		
P	S	RR	Impact / Crushing: Cuts, falls, broken bones, fatality	P	S	RR
4	5	20	Control Procedures	1	5	5
			Safe working areas to be set up to prevent any unauthorised access			
			Banksman present to monitor / control access arrangements.			
			Only competent operator to use machine			

Pre-Control			Hazard	Residual Risk		
P	S	RR	Operator Error: Collision, crushing, entrapment	P	S	RR
4	5	20	Control Procedures	1	5	5
			Only competent, trained operator to use machinery			
			Keys removed from machinery when operator leaves the cab			

Pre-Control			Hazard	Residual Risk		
P	S	RR	Pedestrian Access: collision	P	S	RR
4	5	20	Control Procedures	1	5	5
			Select appropriate barrier between vehicular & Pedestrian movements			

Pre-Control			Hazard	Residual Risk		
P	S	RR	Building and Site Security: Slips ,Trips, Violence, Arson	P	S	RR
4	5	20	Control Procedures	1	5	5
			Site to be secured to prevent un-authorised access			
			The site will be made secure at the end of each shift			
			Staff will be inducted onto site and follow all site safety rules			
			Vehicle movement on and off site will be monitored at all times.			

Pre-Control			Hazard	Residual Risk		
P	S	RR	Hand Tools (Use): Bruising, Cuts, Eye damage - Improper use of hand tools and use of defective hand tools are common causes of minor injuries. Serious injuries may be caused particularly through failure of the tool e.g. mushrooming of chisel heads	P	S	RR
3	3	9	Control Procedures	2	3	6
			Ensure all tools to be used are in good condition i.e. no loose or damaged parts.			
			Ensure the correct tool is used for the task e.g do not use screwdrivers as chisels.			
			All hand tools should be in good condition and must be inspected prior to use.			
			Operatives must be deemed competent to use relevant hand tools			

Pre-Control			Hazard	Residual Risk		
P	S	RR	Power Tools: Cutting stabbing Penetrating wounds, Entanglement with tool bits, Lacerations, eye damage. Lack of maintenance and use of defective tools are common causes of injuries. Improper use of equipment poor training may cause injuries to operators and others.	P	S	RR
4	5	20	Control Procedures	1	5	5
			All power tools and machinery must comply with the Provision and Use of Work Equipment Regulations 1998.			
			All power tools and machinery must be regularly inspected and maintained in good condition			
			Only trained and experienced operatives are allowed to use Power tools, inexperienced or young workers are kept under strict supervision whilst using power tools.			
			Safety Glasses must be worn			
			Hearing protection must be worn when operating power tools			

Pre-Control			Hazard	Residual Risk		
P	S	RR	Stihl Saw: Serious injury, damage to eyes and hearing	P	S	RR
4	5	20	Control Procedures Check Guarding, controls and cutter disc prior to use. Any faults to be rectified before use, or equipment removed from service for repair as necessary. Refueling to be carried out in designated area ensuring no spillage is able to escape to ground. No smoking allowed in refuelling area. Safety goggles to be worn to protect eyes from flying debris during cutting operations. Operative to be trained and deemed competent to use this equipment safely. Dust suppression systems must be in place and operating. Hearing protection must be used when operating this equipment.	1	5	5

Pre-Control			Hazard	Residual Risk		
P	S	RR	Heavy plant machinery: death, serious injury, minor injuries	P	S	RR
4	5	20	Control Procedures Follow all on site vehicle regulations. Keeps pedestrians and plant separate at all times. Only competent operators authorised to use equipment. Pedestrian walkways provided to ensure segregation from plant and vehicles.	1	5	5

Pre-Control			Hazard	Residual Risk		
P	S	RR	Other road going vehicles: Serious injury, Death	P	S	RR
4	5	20	Control Procedures All works should be securely fenced off and separated from other road users and pedestrians	1	5	5

Pre-Control			Hazard	Residual Risk		
P	S	RR	Pedestrian/Vehicle Interface: Cuts, Bruises, Broken Limbs, Death, Material Damage.	P	S	RR
4	5	20	Control Procedures Pedestrians only to use specified zones for walking through A speed limit of 5mph is in force in all workshops and car parks Staff will ensure reversing vehicles have a banksman and are controlled at all times Vehicle and pedestrian areas segregated. Do not obstruct public footpaths at any time	1	5	5

Pre-Control			Hazard	Residual Risk		
P	S	RR	Reversing Vehicles: Cuts, Bruises, Broken Limbs, Death, Material Damage.	P	S	RR
4	5	20	Control Procedures A banksman must be used during all reversing operations on this site Reversing to be avoid whenever possible	1	5	5

Probability (P)	Severity (S)	Risk Ranking (RR = P * S)
1 Highly Unlikely	1 Trivial	< 1 - No Action Required
2 Unlikely	2 Minor injury	> 2 - Low Priority
3 Possible	3 Over 3 Day injury	> 8 - Medium Priority
4 Probable	4 Major injury or condition	>10 - High Priority
5 Certain	5 Incapacity or Death	>15 - Urgent Action Required

Required PPE



First Aid Kit



Hearing Protection-EN 352.1.2002



Protective Footwear-EN ISO 20345:2004 S5



Eye Protection -EN 166:2001 A



Hard Hat-EN 397:2012



Gloves-EN 388:2003



Hi Visibility Vest-EN ISO 20471

I have read and the contents of this Risk Assessment.

Anything I did not understand has been explained to me to my satisfaction.

I agree to follow the Risk Assessment and understand that any control procedures are provided for my safety and the safety of others.

<u>Print Name</u>	<u>Signed</u>	<u>Date</u>