

Risk Assessment / Method Statement (RAMS)

Contract No.	Sterling Capitol	Site/Location:	Off Higham Lane, Barnsley
Description of activity: Road Construction (Formation and Subbase only)			
SECTION A	Site or task specific hazards & control measures		
TO BE COMPLETED BY THE SITE SUPERVISOR			

THIS ASSESSMENT WILL BE CARRIED OUT IN ACCORDANCE WITH THE COMPANY WORKS PROCEDURES MANUAL (CHS04) SECTION 3. When identifying hazards & determining controls the Supervisor shall consider routine & non routine elements of the activity, access to the workplace, liaison with other contractors or visitors, capabilities of personnel, hazards outside the workplace which could affect workers, hazards associated with the specific task, site, equipment, materials or environment, emergency arrangements & legal obligations. In all cases the residual risk shall be reduced to as low as reasonably practicable. Section A will be reviewed and updated as works progress or changes occur by the Site Supervisor.

Significant Hazard	Initial Likelihood 1-5	Initial Severity 1-5	Initial Risk H. M. L	Who may be harmed	Control Measures	Action By	Residual Risk L. I
Access on to site from Higham Lane	3	3	M	E, P, O	Vehicles accessing site will have traffic marshal present to direct. Access to site is proposed to be via the existing access for the now demolished building.	L	Site Supervisor
Mud on roads	3	3	M	E, P, O	Access via the former bungalow entrance. Wagons not to leave hard standing. Road sweeper visit each day of work.	L	Site Supervisor
Overhead Cables	2	4	M	E, P, O	Overhead cables are present at the exit off Higham Lane. The location of these prevent any goal post being erected. Therefore delivery vehicles will be warn of this hazard before coming to site and the traffic marshal will check that there is sufficient clearance for vehicles to pass under.	L	Site Supervisor
Level differences on site. Risk of overturning	4	3	H	E	Trained plant operators will be used. Ramps with sufficient width including safety run off / bunds area will be formed using site won compacted material.	L	Site Supervisor
Excavation & body of water	3	3	M	P	Sides of excavation once works are completed will be left battered to safe angle of repose. If this is not possible then Heras fencing will be used to protect unauthorised parties from falls.	I	Site Supervisor

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SECTION B**Generic hazards & control measures**

All works shall be carried out in accordance with the CORE Works Procedures Manual (CHS04), current legislation and industry codes of practice.

Significant Hazard:	Initial Likelihood 1-5	Initial Severity 1-5	Initial Risk H. M. L	Control Measures	Action By	Residual Risk L. I
Impact or crush injuries to operatives due to contact with mobile plant operating in close proximity.	3	5	H	All mobile plant shall be fitted with equipment to maintain 360° vision (i.e.: rear view mirrors or rear facing CCTV cameras). A nominated 'Banksman' shall assist the operators of mobile plant whilst movements are taking place. The operator's attention must be obtained prior to approaching a vehicle or piece of operating plant. Where practicable, exclusion zones shall be established to segregate vehicle activities from pedestrian access. Traffic Management Plan to be planned, implemented and maintained. Where practicable a 'one way' system will be implemented to minimise reversing. Pedestrian and vehicle routes shall be suitably demarcated and segregated. All operatives to wear high visibility clothing	Site Supervisor	L
Contact with underground services causing explosion, asphyxiation, burns, electrocution or flooding. Or causing interruption of essential provision of utility service to third parties.	5	5	H	Prior to works commencing, the route of all known services shall be located & marked. Extreme caution shall be taken whilst working in close proximity to any identified live services including the imposing of loads on the ground immediately above such services that may cause damage. A full desktop survey & subsequent site investigation using cable-locating equipment/cable avoidance tools will be undertaken prior to any excavation operations commencing. The route for heavy vehicles shall avoid the known buried services	Site Supervisor	L
Dust (Natural aggregates/imported stone) – Risk of respiratory harm	4	4	H	Airborne dust generated by site operations will, in general, be controlled by damping down with water. Speed restrictions on site (10mph). RPE to be issued & worn where required	Site Supervisor	L
Health hazards including cement burns from the use of cementitious materials (e.g. concrete).	4	4	H	Refer to COSHH assessment for fresh concrete. Wear appropriate PPE and protective clothing / footwear to avoid skin or eye contact. No shorts or short sleeves to be worn when exposure is prolonged	Site Supervisor	L

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Manual handling of materials & equipment (e.g. kerbs and when shovelling stone or concrete & concrete shutters) causing strains, sprains or other musculoskeletal conditions.	4	4	H	<p>Mechanical lifting equipment shall be used where practicable</p> <p>Protective gloves shall be issued on site and must be worn during the activity.</p> <p>The Supervisor shall assess each lifting activity and select suitable members of personnel to carry out the task, taking into account age, physical ability, experience and competence.</p> <p>Manual handling activities which require frequent operations, involve twisting or prolonged physical effort shall be avoided or reduced to as low as is reasonably practicable.</p> <p>Manual Handling activities shall only be permitted over short distances where there is no requirement to lift or carry any item away from the body or above head height.</p> <p>Manual handling activities which require the load to be transported over uneven ground, up or down slopes or steps, over wet or slippery surfaces or past significant obstructions shall be avoided or reduced to as low as is reasonably practicable.</p> <p>Lifting operations shall be rotated between operatives where practicable</p>	Site Supervisor	L
Use of portable power tools. Particular portable cut off saws and angle grinders	3	4	H	<p>Before using the saw you must check that it is in good working order, report damage to the supervisor. Only when you are completely comfortable with the equipment should you attempt to use it. Only use the saw if you are physically fit to do so.</p> <p>You must wear impact resistant eye protection or a full face mask to protect you from flying particles and hearing protection. If cutting concrete or other products which could be harmful you may also need to wear respiratory protection equipment (RPE)</p> <p>Do not have loose clothing, jewellery or hair.</p> <p>YOU MUST HAVE RECEIVED SPECIFIC ABRASIVE WHEEL TRAINING TO MOUNT ABRASIVE WHEELS TO THE SAW</p> <p>Blades of cut off saws must be inspected for damage and correct installation</p> <p>Always cut in a clear area - Make sure that your work area is tidy — remove all loose objects (rocks, gravel, nails etc) which could be flung from the cutting disc.</p> <p>Make sure that whatever you are cutting is secure</p> <p>The item you are cutting should be on the floor — never use the saw above your head and never work off a ladder with a cut off saw.</p> <p>NEVER operate petrol powered tools in a manhole, deep excavation or other confined space.</p> <p>Dust suppression must be used if the facility is available on the plant and cutting masonry, tarmac or concrete products.</p> <p>Work exposure limits for noise and vibration should be adhered to and monitored.</p>	Operator	L
Whole Body Vibration may cause shocks and jolts causing health risks including back pain	4	3	H	<p>Plant and machinery will be selected and hired specifically for the job to avoid/limit WBV.</p> <p>Operators will be sufficiently trained and instructed in the use of the plant.</p> <p>Plant and machinery maintenance will be carried out with the appropriate test certification obtained.</p> <p>Where required it may be necessary to introduce work schedules to avoid long periods of exposure.</p>	Site Supervisor	L

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Operation of quick hitches on excavators to secure buckets or attachments	3	5	H	Operator to be competent on the use of the quick hitch on the excavator being operated. Daily, weekly and though examination checks and testing to be completed and upto date Locking pins to be in place. Operator to check the security of the attachment or bucket by "shake, rattle and roll" of the bucket OR placing bucket flat on the ground then trying to uncrowd the bucket so that the bucket tries to disengage from the QH. Workers not to work under bucket or attachment.	Site Supervisor	L
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SECTION C**Environmental hazards & control measures**

All works shall be carried out in accordance with the CORE environmental management system, current legislation and industry codes of practice.

Significant Hazard:	Initial Likelihood 1-5	Initial Severity 1-5	Initial Risk H. M. L	Control Measures	Action By	Residual Risk L. I
Environmental spills	3	3	M	Brief personnel on spill kit locations and how to check and replenish these items if used. Drip trays shall be used and spill kits present at all times with portable generators. All fuels shall be stored where any spills will be contained. This will be within an impermeable bund, or mobile fuel bowser with a secondary containment system (double skin bund). No fuels/hazardous substances to be stored close to S.W. drains/gullies or any open watercourses. All mobile bowzers shall also be sited on an impermeable barrier (such as visqueen sheeting/concrete). Do not wash concrete, chemicals or other pollutants into drains	Site Supervisor	I
Airborne dust generated by site operations	4	4	M	Controlled by damping down with water Speed restrictions on site Road sweeping of hard surfaces as required Vehicle exhausts are to be directed away from the ground Stockpiles well maintained All dust suppression methods will be done in a controlled manner in order that sufficient water is used to suppress the dust but not excessive quantities that causes run off	Site Supervisor	L
Litter/ Waste Management	3	3	M	A high standard of housekeeping shall be maintained at all times All waste & packaging will be disposed of as it is generated Litter will be unacceptable and all personnel will be reminded of the requirements during induction. Brief all personnel on how waste should be disposed of Waste materials will not be burned on site.	Site Supervisor	L

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Energy wastage	4	2	M	Shut down plant & vehicles when not in use - ensure plant, vehicles & tools are well maintained Shut off water taps & report leaks Shut off electrical equipment at the end of the shift Switch off office lights when not in use Keep windows & doors closed when heating is on	Site Supervisor	I
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SECTION D		PPE & Key to Risk Evaluation			
PPE requirements:	✓	Key to risk level:		Key to 'Who is at risk':	
High visibility clothing	✓	H (High)	There is a chance of harm occurring and the consequences are severe	E	Employees
Safety helmet	✓	M (Medium)	There is a chance of harm occurring and the consequences are moderate	P	Public
Safety footwear	✓			SC	Sub-contractors
Ear protection		L (Low)	There is a slight chance harm occurring and the consequences are minor	OC	Other contractors
Eye protection				IX	Inexperienced person
R.P.E		I (Insignificant)	There is little or no chance of harm occurring and the consequences are minor	YP	Young person
Gloves	✓			D	Damage
Other (please specify):		Residual risk level is the level of risk that remains after control measures are implemented. The level of residual risk must always be low (L) or insignificant (I). If they are not then further control measures are necessary.		O	Other (please specify):
				Level of training/competence:	
<p>All mobile plant operators shall be competent and carry the appropriate CPCS qualification. Other operatives shall be trained and competent to carry out the work activities described in this document.</p> <p>Personnel shall be briefed on the significant risks and appropriate control measures prior to work commencing</p>					
Other Information:					
<p>A safe system of work shall be maintained throughout the works, taking into account weather conditions, other work activities, traffic and existing structures. The Supervisor will ensure variations in environment, site conditions and work activities are monitored and suitable control measures applied.</p> <p>When carrying out excavations a Marshal / Banksperson must be present to ensure safe systems of works (SSOW) and safe digging practices are adhered to at all times and coordinate the activities around an excavation.</p> <p>DESIGNATED MARSHAL / BANKSPERSON:</p> <p>Vehicles and pedestrians accessing the site shall be segregated where practicable. Operatives shall be reminded of their responsibilities during induction to site. Operatives shall only use walking routes established as part of the traffic management plan.</p> <p>WORKS TO BE SUPERVISED BY: TBC</p> <p>PROVISION OF FIRST AID: With site vehicle</p> <p>PROVISION OF WELFARE FACILITIES: Existing CORE Special Project site further up Higham Lane.</p>					

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SECTION E**Method Statement****Resources:**

360° Excavator, 9t Dumper, ride on roller, CAT & Genny, hand tools

Method of working:

Access to the site will be off Higham Lane via the existing access to the now demolished building.

Prior to any excavating taking place, existing service location drawings will be studied and the positions of all underground apparatus will be noted. The work areas will be surveyed with service locating equipment (e.g. CAT & Genny). All underground services that may affect, or be affected by, the proposed works will be marked. Those in close proximity to proposed excavation or trafficking will be exposed with carefully hand dug trial holes.

The proposed road line will be excavated (or filled & compacted) to formation level using the 360° excavator. Excavated arisings will be loaded into the dumper or dump truck and hauled to a spoil heap on site or other designated tipping area. Stockpiles will be left with safe stable batters.

The excavation will be completed with side left with safe and stable batters.

The formation ground will be compacted using a vibrating roller. Sub-base material (stone) will be delivered to site and tipped on existing hard standing area of the former building. Then loaded into dumpers to transport to the work face. It will be placed using the excavator. The stone will be compacted with the vibrating roller.

Final dressing of the sub-base stone will be carried out with the excavator by placing the remainder of the stone and by compacting it with the ride on road roller. The stone will be compacted locally with a vibrating compaction plate.

The finished level of the stone is below existing ground level therefore is like to form a body of water therefore heras fencing will be left on site to protected unauthorised access with warning signs on the perimeter.

Site Access & Egress

Construction traffic, in particular plant and material deliveries, will be routed to site via Higham Lane (South of the site) via Junction 37 of the M1.

Deliveries and site personnel will be routed via the existing road network with access to the site off Higham Lane (via Junction 37 of the M1 only) with existing access to the former dwelling used to facilitate the works implementation works. Instructions will be given to site personnel and delivery services to ensure site traffic does not arrive via the north of the site, this will be enforced & checked by site team.

Peak deliveries per day for the implementation works is expected to be 6.

Provision for parking on site and vehicle turning will be made as per the plan below.

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Delivery Times

The use of plant, machinery or equipment, or deliveries of materials shall only take place between the hours of 0800 to 1800 Monday to Friday and 0900 to 1400 on Saturdays and at no time on Sundays or Bank Holidays

With the exception of any specific works which shall be agreed in advance in accordance with details to be submitted to and approved in writing with the Local Planning Authority.

Noise & Vibration

Noise levels associated with normal construction activities are expected on this project, these normal levels are not expected to cause any nuisance to the surrounding receptors. This due to noise levels anticipated from general plant operations and distance to any receptors.

Appropriate plant & equipment shall be utilised to ensure that site noise is kept to a minimum. All work equipment shall be adequately maintained to avoid unnecessary noise and be fitted with appropriate working silencers and noise insulation where available. No plant shall be left idling when not in use. Plant shall be sited in such a position so as not to enhance noise pollution to neighbours. Operatives shall be reminded of the requirement to keep noise down to an acceptable level during their site induction.

The supervisor will monitor noise levels during the works.

Potential receptors:

- The closest existing business are located, circa 27m to the east of the work area.
- Residential properties – closest property circa 210m away to the north west

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SECTION F**Records of Review of This Assessment**

I confirm that the general principles of prevention have been considered when preparing this risk assessment - the following hierarchy of control has been used (1) Eliminate, (2) Reduce, (3) Isolate, (4) Control, (5) Personal Protective Equipment

Assessment of site or task specific hazards by:	Name:	Lee Ferreday	Signature:	LF	Date:	6.3.25
Assessment reviewed by:	Name:		Further control required?*	Y	N	Date:
Assessment reviewed by:	Name:		Further control required?*	Y	N	Date:
Assessment reviewed by:	Name:		Further control required?*	Y	N	Date:
Assessment reviewed by:	Name:		Further control required?*	Y	N	Date:
Assessment reviewed by:	Name:		Further control required?*	Y	N	Date:

Delete as appropriate. If further control measures are required then they should be recorded in Section B or C of this document.

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