

Risk Assessment / Method Statement (RAMS)

Contract No.	Recom 002	Site/Location:	North Manchester Hospital
Description of activity: Bulk Earthworks – Cut & Fill			
SECTION A	Site or task specific hazards & control measures		
TO BE COMPLETED BY THE SITE SUPERVISOR			

When identifying hazards & determining controls the Supervisor shall consider routine & non-routine elements of the activity, access to the workface, 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 by the site supervisor as works progress or changes occur. **If anything changes, stop and ask your supervisor.**

Significant Hazard	Risk Rating			Who may be harmed	Control Measures	Residual Risk		
	L	S	RR			L	S	RR

SECTION B**Generic hazards & control measures**

All works shall be carried out in accordance with the current legislation and industry codes of practice.

Significant Hazard:	Risk Rating			Who may be harmed	Control Measures	Residual Risk		
	L	S	RR			L	S	RR
Impact or crush injuries to operatives due to contact with mobile plant operating in close proximity.	3	5	H	E / OC	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	1	5	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	E	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	1	5	L
Overturning of plant vehicles causing crush or impact injuries.	3	5	H	E / OC	Drivers to stick to designated haul routes and speed limits. Seat belts to be worn when operating ride on rollers and forward tipping dumpers. Haul routes to be kept as level and as flat as practicable to avoid "side-hilling". Dump trucks to avoid tipping (or otherwise elevating skip) during high winds. Roller drivers will roll up to the edge of batters rather than along the edges. Stockpile access ramps shall be compacted and attended throughout the works whilst wheeled vehicles are accessing these areas	1	5	L
Working in contaminated ground causing sickness and / or ill health	3	4	H	E	Site Investigation report to be consulted and further control measures to be implemented according to findings (if required) prior to excavation. PPE to be worn commensurate with the level and type of contamination.	1	4	L

Materials falling (e.g. from loaded lorry skips or from spoil heaps) causing impact or crush injuries.	4	3	H	E / OC	Dump trucks and dumpers to be loaded evenly within the capacity of the skip. Spoil heaps and embankments to be dressed and sealed and free from loose materials. Spoil heaps to be maintained so that there are no vertical or steep sides.	1	3	L
Collapse of excavation causing crush injuries	3	4	H	E	Excavation walls to be battered to suitable gradient leaving no steep or vertical sides (note – excavations are not normally cut so that steep or vertical sides will be left). Pedestrians to be excluded from excavated areas.	1	4	L
Falls into excavation causing impact injuries.	4	5	H	E / OC	All excavations to be protected with suitable edge protection to prevent falls	1	5	L
Asbestos	3	4	M	E / OC	All known asbestos locations to be clearly marked. None currently known based on SI received from Recom. Asbestos management plan to be followed if required. All excavations will be controlled by a banksman who holds UKATA asbestos awareness training as a minimum. If asbestos is discovered, work must stop until required testing & removal has been completed. This will be done by specialists. As required, PPE including dust masks will be worn as required. Minimum 5m/10m exclusion zones to be implemented and adhered to if asbestos is discovered. All waste is to be managed in accordance with the site waste management plan. Any spoil containing Asbestos must be segregated with clear signage displayed.	1	4	L

SECTION C**Environmental hazards & control measures**

All works shall be carried out in accordance with the current legislation and industry codes of practice.

Significant Hazard:	Risk Rating			Who may be harmed	Control Measures	Residual Risk		
	L	S	RR			L	S	RR
Environmental spills	3	3	M	W	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 bowsers shall also be sited on an impermeable barrier (such as visqueen sheeting/concrete). Do not wash concrete, chemicals or other pollutants into drains	1	3	L
Airborne dust generated by site operations	4	4	H	W / P	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	1	4	L
Litter/ Waste Management	3	3	M	W	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.	1	3	L
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	1	2	L

SECTION D		PPE & Key to Risk Evaluation			
PPE requirements:	✓	Key to risk level:		Key to 'Who is at risk':	
High visibility clothing BS EN 471	✓	H (High)	There is a chance of harm occurring and the consequences are severe	E	Employees
Safety helmet BS EN 397	✓			P	Public
Safety footwear BS EN 20345	✓	M (Medium)	There is a chance of harm occurring and the consequences are moderate	SC	Sub-contractors
Safety footwear BS EN 20345	✓			OC	Other contractors
Ear protection BS EN 352-1		L (Low)	There is a slight chance harm occurring and the consequences are minor	IX	Inexperienced person
Eye protection BS EN 166				YP	Young person
R.P.E FFP 3		I (Insignificant)	There is little or no chance of harm occurring and the consequences are minor	D	Damage
Gloves BS EN 388	✓			W	Wildlife
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:	
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. Personnel shall be briefed on the significant risks and appropriate control measures prior to work commencing					
Other Information:					
Risk Rating Matrix					
S = Severity Rating 1. Negligible 2. First Aid Treatment 3. Minor Injury 4. Major Injury (RIDDOR) 5. Fatality		L = Likelihood of Occurrence 1. Improbable 2. Remote 1 - 10% 3. Possible 10 - 50% 4. Probable 51 - 90% 5. Almost certain 90% +			
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. 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 WORKS TO BE SUPERVISED BY M LOWRY					

SECTION E	Method Statement
Resources:	
360° Excavators, Dump Trucks / Dumpers, Road Haulage Vehicles, Ride-On Rollers, Barriers.	
Method of working:	
<u>IF ANYTHING CHANGES – STOP AND ASK YOUR SUPERVISOR</u> 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. Haul routes will be established and all operators briefed, appropriate signage and/or barriers will be erected to warn third parties of plant movements. Reduced level excavation will be completed down to the required level using the 360° excavator. A banksman who holds valid UKATA Asbestos Awareness training will observe excavation to watch for contaminated ground, as well as any changes in ground conditions. No asbestos is expected based on the SI received by EMB. The excavated arisings will be loaded directly into a dump truck or forward tipping dumper and hauled to the area to be filled or to a spoil heap on site for removal from site via the road haulage vehicles. The edges and steps in excavations shall be battered to a suitable angle and barriers erected where necessary and practical. Spoil heaps shall be sealed using the excavator by tracking over the re-profiled ground. Excavators shall be used to grade and re profile the ground to the required level. The filled areas shall be compacted with rollers or other compaction equipment. Any incomplete excavation shall be made safe at the end of each shift and fenced if practicable. Formation will be proof rolled and checked for line and level prior to being handed over for follow-on works.	
SECTION F	Changes to Method Statement

SECTION G		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:	Tom Fox	Signature:	Thomas Fox			Date:	19.12.24
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.

Communication & Acknowledgement Records

I confirm that I have had the contents of this document explained to me and have understood the requirements of the risk assessment.

[illegible]
