



NSG
INDUSTRIAL
SERVICES

Provisional

Scaffolding Plan

Risk & Method Statement (RAMS)

CLIENT	Morgan Sindall
LOCATION:	The Plating Shed, Hammerstone Road
DESCRIPTION:	External Access Scaffold to Provide Access for Roof Works & Remedial Works to the Building Façade – Adjacent to the Rail Property-.
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CONTRACT ARRANGEMENTS

Customer:	Morgan Sindall Construction Plc	Plan Completed By:	A McDonald
Contract Title:	Hammerstone Road, Manchester	Contract Name:	The Plating Shed, Hammerstone Road
Contract Manager	A Mc Donald	Scaffolding Supervisor:	T Richardson

SCAFFOLD SPECIFICATION

Scaffold Description:	Independent access scaffold to give access for roof works & remedial works to the building facade.
Use of the Scaffold:	To provide of safe access, egress & protection scaffolds during all remedial works.
Duty of Scaffold:	One lift at 3.00Kn/m2 and inside boards if required loaded at 0.75Kn/m2
User Trades:	Various/ Client Specified
Drawing No(s);	To be confirmed
Sheeting Arrangements:	N/A.
Tying Arrangements:	As per the task specific scaffold design
Advertising Specification:	Not Applicable

PLANNING

Scaffold Programme:	To be confirmed
Delivery Arrangements:	Delivery / returns to be via Hammerstone Road prior at 08:00 hours utilising a vehicle mounted Hiab crane or demountable wagon bed. All materials will be stored adjacent to the building and within a harass fence compound.
Storage Arrangements:	All materials will be stored adjacent to the building and within a harass fence compound.
Local Factors Considered:	Council building with general public and local workforce within the vicinity. Depot traffic should be taken into consideration and all traffic route / speed restrictions adhered to. Materials will be segregated using Heras fencing. The scaffold will be erected close to the boundary line of the local rail lines – note the site plan identifying the area of the rail boundary
Foundation Requirements:	The customer is to assess the foundations can accommodate the leg loadings supplied on the specific scaffold design. Undergrowth and debris will be cleared by the main contractor prior to our commencement on site. The client is to ensure ground conditions are suitable to withstand the loads of the scaffold structure.

Public Protection:	The works are to the external building of the Morgan Sindall site areas, localised protection such as foam padding to standards or overhead ledgers and warning signs etc. will be utilised where applicable.
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SCOPE OF WORK

External Access Scaffold to Provide Access for Roof Works & Remedial Works to the Building Facade

Prior To Work Starting:

Prior to starting work on site all operatives will have received the Morgan Sindall & Altrad site inductions. The Altrad NSG Site Manager/Supervisor will then discuss the task and plan of work in detail. The work party will then discuss the risk assessments for the task and complete a site-specific risk assessment for any local site factors inclusive of the vicinity of the adjacent rail property. The job specific risk assessment must be continuously reviewed and updated as conditions change.

1. Each operative shall complete his daily checks on his own harness and lanyard and report any defects to his supervisor/manager when replacement equipment shall be made available.
2. The charge hand scaffolder will give all operatives a pre-job 'start of shift briefing' discussing all hazards and controls in place and the specific risk assessment reviewed and updated if required. All operatives will sign the risk specific assessment and method statement (RAMS). If permits are issued, they will also be communicated to all staff and signed accordingly.
3. Operatives will proceed to the workface and discuss the job at hand, inspect the worksite and equipment. If there are any changes in the worksite since the RAMS were completed, then the charge hand must immediately contact his supervisor and site manager to review the RAMS before work commences.
4. All operatives to be made aware of the emergency procedure for site, through the site-specific Morgan Sindall inductions
5. Altrad NSG rescue plan to be selected and applied. A copy of this will be included in site file and all operatives instructed on action
6. All material will be delivered to site by flat bed wagon with de-mountable trailer and / or vehicles with Hiab mounted crane and stored as close to the work area as possible.
1. Work area to be barriered off with warning signs. The materials will be unloaded making sure they are stacked in a safe & tidy manner and not causing any obstructions. Exclusion zones will be erected where required.

Erection Procedure.

2. At the workface charge hand will instruct his men to set up a temporary work area by using signs and physical barriers where needed.
3. Following approval to proceed with the teams will commence erecting the scaffold to the external elevations of the Plating Shed
4. The process will begin by setting the scaffold out as per the project specific scaffold design.
5. The scaffold will be erect in Contur system scaffolding to the external of the plating shed starting from the gable to the front entrance of the Plating Shed and continue around to the main elevation adjacent to the rail property (no access on or over the area of the rail property is required.) The final gable elevation will be erected on Manchester Highways property, within the public realm (this will require a local authority pavement permit, the conditions of which are to be relayed to the scaffold teams and adhered to at all times.
6. The scaffold will be erected as per the specific scaffold design – yet to be completed-. The scaffold will follow the perimeter of the plating shed and will be erected to full height creating safe access and edge protection to the full roof area. All doorways including the main loading bay doors will be kept free and unhindered forming bridging sections in the scaffold where required
7. The scaffold will be erected to full height in 2.00m lifts with the top lift boarded as required. Whilst erecting the scaffold operatives will adhere to Altrad Safe Zone + procedures and will work from fully completed lifts at all times whilst erecting the lifts above. Advanced guardrails erected from 'safety steps' will be utilised when erecting the lift above.
8. The scaffold will be a freestanding structure with kentledge bays erected as per the proposed scaffold design
9. Scaffold safety steps will be provided by ANSG for the sole use by their employees, to be used in conjunction with a harness and lanyard registered to each individual in order to erect an advanced guardrail.
10. All raising and lowering materials to be in a controlled manner.

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- On completion of the scaffold, Altrad NSG operatives will inform the supervisor, who will inspect the scaffold and providing the scaffold is in good order, will issue a Handing over Certificate to the client.
- All access and egress from the fire doors will be maintained at all times throughout and at the end of the project.
- On completion of the works all surplus scaffold materials will be removed from the work area and stacked neatly into stillage's and stored into the Heras fenced area provided by client.
- All work to comply with British Standards & Codes of Practices: - BSEN:112811, BSEN:12810, BSEN:13374, BS:1139, BS:2482 & TG20:21, SG4, Altrad Safe Zone +

Dismantling Procedure:

- Dismantling operations are normally in the reverse sequence of the erection method though these will be reviewed at the time.

Additional Procedures:

- Fall Arrest Equipment to be used to be attached to a suitable (Specified by Manufacturer) anchor point i.e. structural part of the scaffold (ledger, transom or guardrail) as close as possible above the working area as specified in SG4:15 & Altrad's Safe Zone + Procedure .
- If any additional operatives are deployed onto site all RAMS must be communicated, understood and signed. All on site MUST have completed Morgan Sindall induction.
- Altrad NSG Supervisor to monitor Risk Assessment & Method Statement (RAMS), for any changes in the work procedure.
- Rescue Plan** – Please refer to “Preventing Falls Whilst Erecting, Altering and Dismantling Scaffolding & Fall Retrieval” – The Rescue Plan 1 – Without Specialist Rescue Equipment. Any rescue required will be 'Self Rescue' due to the scaffold being boarded at all level. Levels and types of fall rescue to reflect this will be included within the ANSG site compliance file.
- Emergency:** Following any emergency evacuation or alarm you must contact your Supervisor/Manager and the Morgan Sindall site management immediately.
- First Aid. AltradNSG supervisor trained as well as Morgan Sindall Operatives
- Monitoring and Compliance with Occupational Health will be observed by Altrad NSG Contract Manager A McDonald & an Altrad In-house Health & Safety advisor / Manager
- Operative are to be made aware of any additional factor required in relation to working adjacent to the rail property on the mind elevation and form working on the gable governed by local highway permits within the public realm.

Rescue Plan:

The rescue procedure will be developed upon receipt of the task specific scaffold design and will cater for any allowances require by working adject to the rail property and / or the public realm local highways area

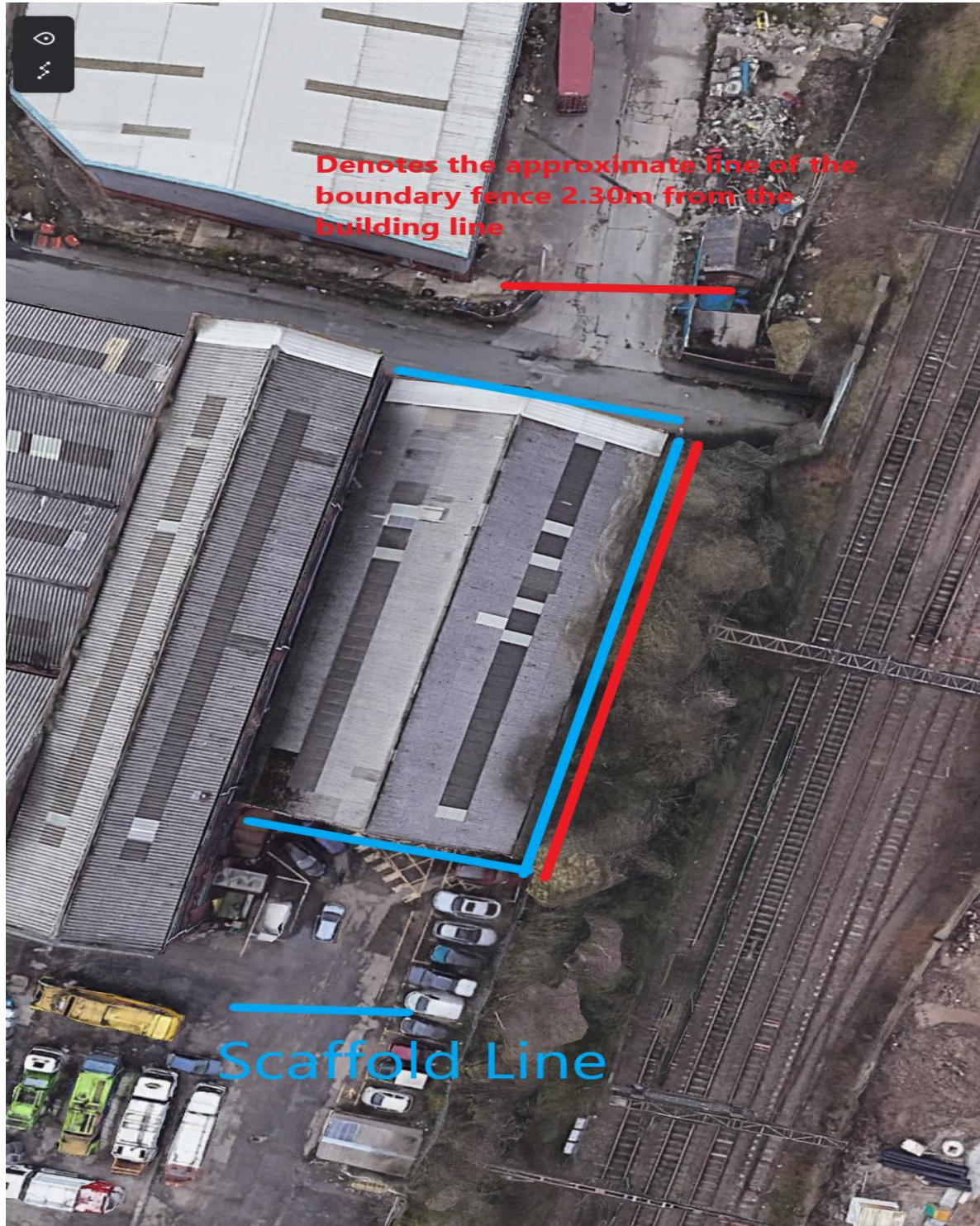
First Aider will be provided by Morgan Sindall site management

Traffic Management: Altrad NSG deliveries will be pre-arranged and have a banksman to assist the driver in all operations moving on/off site and moving around site also all Altrad NSG vehicles will have a reverse alarm fitted.

Contact Details		
Alan Gosling	North West & Ireland Operations Manager	07831 467459
Alan McDonald	Contracts Manager	07967 575955
Sean Bowles	Safety Manager	07866 267152
Tommy Richardson	Contracts Supervisor	07801 045061

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Plan View



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PERSONNEL

All teams engaged in this work activity will contain a balance of qualified operatives in accordance with the type of scaffolding required.

Refer to the skills training matrix in the site file for evidence of qualifications i.e. CISRS card numbers and grade.

The Chargehand Scaffolder will hold a CISRS Advanced Scaffold Card & SSSTs Supervisors Certificate

EQUIPMENT TO BE USED

- 1) Contur system scaffolding.
- 2) Contur system stair tower and steps.
- 3) Tube and Fittings
- 4) Barriers and signage to be positioned before scaffold activity begins.
- 5) SG4:15 advanced guardrail safety steps.
- 6) 40kg SWL fitting bags
- 7) Scaffolders Hand tools
- 8) Anti-climb panels
- 9) Transport
- 10) Heras fencing.

PPE REQUIREMENT

Standard Equipment; Safety Footwear, Overalls, Gloves, Safety Helmet, Safety Harnesses & Lanyards, Light Eye Protection

PERMIT REQUIREMENTS

Pavement Permit	Required- N/A	Responsibility?	Tommy Richardson / MS
Permits to Work	Required – To be confirmed	Responsibility?	Tommy Richardson / MS
Roof Work	Required – N/A	Responsibility?	N/A
Confined Space	Required – N/A	Responsibility?	N/A
Other (Specify if required)	N/A	Responsibility?	N/A

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RISK ASSESSMENTS

Risk Assessments	• Erection and dismantling of independent scaffold. • Protection of others on site and general public. • Risk of falls, personnel, and materials. • Risk from delivery vehicles on site. • Risk of falling from Main building roof. • Materials falling onto adjacent rail property
Accident & Emergency	A & E Department is located at; MANCHESTER ROYAL INFIRMARY OXFORD ROAD MANCHESTER M13-9WL TEL- 0161 276 123 Note: Altrad NSG personnel must be accompanied for any medical treatment and your supervisor/manager must be contacted and notified for all medical emergencies or treatment.
First Aid	Minor first aid treatment to be administered by the site nominated trained first aid personnel. Facilities located at the site office. All first aid incidents/accidents/near misses regardless of how minor MUST BE REPORTED immediately to your manager or supervisor Morgan Sindall site management.
Third Party Protection	Danger Areas during erect/ dismantle will be identified and suitably protected by physical barriers, foam protection & warning signage (Exclusion Zone). To prevent unauthorised access. A Red DO NOT USE scaffold tag must be clearly displayed at the entrance of the scaffold to notify others that the scaffold is not complete.

Accident, Incident, Near Miss Reporting

All accidents, incidents and near misses must be reported immediately to your supervisor and the Morgan Sindall site team.

If you see unsafe conditions report it to your supervisor or a client representative – Don't ignore it until someone gets hurt. If you can rectify the situation in a safe and competent manner, please do so.

We aim to learn from all incidents reported to prevent a serious incident from happening in the future.

Remember Near Misses are a warning and reporting a near miss will prevent an accident.

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INSPECTION

The scaffold shall be inspected by a competent person prior to use by others, and if acceptable a green tag shall be placed in the scaffold tag holder.

The main contractor must then arrange for the scaffold shall then be inspected at least every 7 days thereafter and a record kept locally.

HANDOVER TO CLIENT

Once the main scaffold is complete to scaffold supervisor will arrange formal handover to the Main Contractor and complete the initial F91 inspection log

COMMUNICATION

All employees shall attend a company induction as part of their conditions of contract.

I confirm that I have been instructed on the method of work, the hazards and risks involved and the necessary control measures. I also confirm that if other hazards / risks occur I will bring it to the attention of my immediate supervisor.

Name and Signature of the competent person carrying out the communication.

Name (Print)	Signature	Date	Name	Signature	Date

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Risk Assessment – Scaffolding

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Task/Activity: External Access Scaffold to Provide Access for Roof Works & Remedial Works to the Building Facade

HAZARD		INITIAL RISK			CONTROLS	RESIDUAL RISK		
Hazard Description	Hazard Effect	Hazard Risk	Likelihood of Occurrence	Risk Rating	List all Controls Required	Hazard Severity	Likelihood of Occurrence	Risk Rating
Instability, full/partial collapse/ structural failure, due to ties failing	Multiple Fatalities, Injuries and/or damage of varying degrees.	5	5	25	- The scaffold will be erected in accordance to the specific scaffold design; any deviations to the design must be highlighted to and agreed in writing or by re-design prior to completion / handover. - Any design must be proved by the relevant calculations. - All scaffolds to be tied as per the site-specific design and progressively as the scaffold is built - Ties / kentledge can only be installed and removed by a competent person. - Ties / kentledge to be temporarily removed for access by other trades shall be agreed in advance with the client and confirmed in writing. A sequence of removal and replacement must be agreed. - The users must ensure that the maximum loading is not exceeded. Loadings to be indicated on tag - Scaffold to be inspected prior to first use by competent person.	5	1	5
Fall of Person during scaffold erection and dismantling	Fatality or serious injury	5	5	25	- All person involved to have received adequate training for erection / dismantling of scaffolds, CISRS accredited - Scaffolders to wear approved full body safety harness and to be used in accordance with the current NASC guidance note SG4:15 and Altrad Safe Zone + procedures. Safety Steps will be utilised to fit the advanced guardrails when erecting the perimeter access scaffold. - Rescue to be in accordance with the rescue plan utilising a hierarchy of recovery depending on the location of the fallen person.	5	1	5
Fall of materials during movement on site and during erection and dismantling	Fatality, Injury to others and /or damage to plant, equipment or buildings.	5	5	25	- Work area to be barriered off using suitable means to prevent access. - Materials to be stored by suitable means to prevent inadvertent movement e.g. use of fitting bags - Materials not to be stored vertically unless prevented from falling. - The use of tool restraint lanyards to be subject to job specific risk assessment. - Employees to wear safety helmets and safety boots.	5	1	5



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Slips, Trips & Falls when walking around site or on scaffold	Injuries of varying degrees.	4	5	20	- Ensure access routes and work areas are free of tripping hazards. - Clear away any tripping hazards that can be moved. - Report any residual hazards to supervisor for communication to client - Operatives to be aware of their working environment and beware of manholes, trenches, steelwork, cables, pipework and other tripping hazards, loose debris from demolition. - Do not step onto or over debris - Do not enter access routes or work areas that are not adequately lit. - The work area is to be cleared of all foliage and debris by the main contractor - Store scaffold materials in a neat and tidy manner. Using barriers if applicable.	4	2	8
Manual Handling during loading/unloading vehicles and movement of materials around site	Back, ligament / tendon, muscular, injuries.	4	5	20	- Each person will have received instruction in manual handling techniques used in scaffolding. - All deliveries will be pre-slung, pre-wrapped to negate any reason for climbing on to the vehicle bed - All deliveries will be via vehicles with demountable bodies or vehicle mounted Hiab Crane, all materials will be unloaded at ground level. - Materials to be raised and lowered by passing hand to hand with good communication or by use of a gin wheel and rope.	4	2	8
Fall of Person from Vehicle	Fatality or serious injury	5	5	25	- Use of demountable scaffold beds / vehicle mounted Hiab crane where at all times. - No person will access and walk on flat beds - Access to/from vehicle to be in a controlled manner. No jumping down. - Use of common site loading/unloading provisions where available - Provide temporary guard rail where practical.	5	1	5
Contact with site vehicles	Fatality or serious injury	5	5	25	- Materials to be delivered/collected from site via agreed traffic routes - A banksman to be used for reversing vehicles. - Employees to keep to agreed pedestrian routes and road crossing points where applicable. - Employees to be aware of vehicle movements when walking on or adjacent to areas used by vehicles - Employees to wear Hi-Viz clothing	5	1	5
Interaction with clients active personnel / procedures	Fatality or serious injury	5	5	25	- Comply with Permit to Work, including using own locks where required - Keep away from levers, gauges, valves etc. - Barrier off general public walkway areas.	5	1	5

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Unauthorized used by other persons	Fatality or serious injury	5	5	25	- At the start of the erection process an incomplete sign must be displayed at the access point (ladder or stairs). - When leaving site/ completing the day's work, unless the site is secured access to the scaffold must be barred, ladder removed, ladder blocked, ensure signage is in place stating do not use. - Scaffold tag or hand over certificate must detail the specified purpose the scaffold has been built for.	5	1	5
Enviromental conditions (hot, cold, Wind, rain, noise etc.)	Falls of personnel or material from height resulting in injury	5	4	20	- Supervisor shall monitor the working conditions to ensure that employees are not put at risk. - Wet weather gear shall be used if appropriate, however supervisor will determine when work will cease - Noise assessments carried out and ear defenders to be used for any operations that they are defined for.	5	1	5
Human Behavior	Fatality or serious injury	5	4	20	- Specific risk assessment to be used at all times. This is supported with assessment training for all operatives - Program of toolbox talks to be used to continue to remind all of standards - Incentive scheme in pace to encourage further brother's keeper concept - Works committees in place at all sites - Random D & A testing.	5	1	5
Hazardous Substances	Health effects and potential burns to skin	4	4	16	- COSHH assessment have been carried out for all hazardous materials used by the company and the results built into the PPE requirements for the job - Client specific hazardous materials will be covered by their permit to work systems - For very hazardous substance operative will have specific awareness training i.e. Asbestos / Ceramic Fibers etc	4	2	8
Foreign bodies entering eyes	Damage to eye	3	4	12	- Client to remove all debris from scaffold boards before dismantling commences - Light eye protection (LEP) to be used - Site specific risk assessment to be carried out to determine higher level of protection is required. - Comply with client's requirements for eye protection	3	2	6
Abrasion, splinters from handling scaffolding equipment	Minor puncture injury	3	4	12	All employees to wear approved ppe provided by Altrad NSG also gloves whilst handling scaffold materials	3	2	6

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Interface with the General public, highway Traffic	Fatality, Injury to others and / or damage to plant,	4	5	20	- All access routes to site will be via the main entrance. - All works within the public realm / on local highways will be subject to the local authority highway permit and must be adhered to at all times. - Risk assessments for these works will be visited on receipt of the local highways permit and may require. a) The use of Protective scaffold fans. b) Anti-climb measures c) Protection to standards. d) Timber bulks in roads e) 2.70m base lifts.	4	4	8
Working adjacent to the rail property	Fatality, Injury to others and / or damage to plant. Interference to Net work Rail. Obstructing Rail Lines. Dangers of electricity	3	3	9	- Liaison with local authorities by the main client is required once input is received the risk assessment and method statement will be changed and re-submitted to reflect any requirements. - Our work area between the building and boundary fence is approximately 2.30m wide with no access required on or over the adjacent rail property.	3	3	9
Reviewer: T Richardson		Date: June 2021		Next Revision Date: June 2022		Overall Risk =		Low.

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Risk Conclusion								
HAZARD SEVERITY	1	No significant Risk of Injury	LIKELIHOOD OF OCCURRENCE	1	May occur but only in rare and exceptional circumstances	RISK RATING (Severity x Likelihood)	1 – 10 LOW	May be acceptable; However, review task to see if risk can be reduced further
	2	Potential for Minor Injury e.g. First Aid		2	Unlikely to occur but could happen			
	3	Potential for moderate injury e.g. requiring Doctor or Hospital attendance		3	Possible and likely to occur at some time		11 – 15 MEDIUM	Task should only be tolerated for the short term and then only whilst further control measures are being planned and introduced within an agreed timeframe
	4	Potential for severe injury e.g. RIDOR reportable		4	Likely to occur frequently			
	5	Likely to result in death		5	Almost certain to occur in most circumstances		16 – 25 HIGH	Task must not proceed. It should be refined or further control measure put in place to reduce risk.

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