

Contractor	H Bell and Sons Limited, 33 Princess Street, Rochdale, OL12 0HA ---- Tel: 01706 645015		
Job No:	4796	Issue Date:	23/10/2025

**Method Statement – Risk And COSHH Assessments
prepared for the demolition of residential premise**

at

95 Marland Fold Rochdale OL11 4RF



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Introduction

This Method Statement, Risk Assessments and COSHH assessments has been prepared to demonstrate the safe working method for the demolition of the domestic premise at 95 Marland Fold.

All demolition work will be carried out in accordance with the BS 6187:2011 Code of Practice for full and partial Demolition, including all associated Health & Safety related legislation, approved codes of practice and guidance.

The methods described herein are seen as the most appropriate for the works and are based on information available at the time of preparation. In the event of unforeseen circumstances, changes in conditions, requirements or timescale, this document may need to be amended.

All work will be carried out in accordance with the relevant Health and Safety Regulations which may include:

- Health and Safety at Work etc Act 1974
- The Working at Height Regulations 2005
- Workplace (Health, Safety and Welfare) Regulations 1992
- The Management of Health and Safety at Work Regulations 1999
- The Control of Pollution Act 1989
- The Noise at Work Regulations 1989
- COSHH Regulations 2002
- RIDDOR Regulations 2013
- The Personal Protective Equipment at Work (Amendment) Regulations 2022 (PPER 2022)
- The Provision and Use of Work Regulations 1998
- BS 5975:2019. Code of practice for temporary works procedures and the permissible stress design of falsework
- BS 6187:2011 Code of Practice for full and partial Demolition
- CDM Regulations 2015

2. Project details

Client & Principal Contractor	
H Bell & Sons (R) Ltd. 33 Princess Street Rochdale OL12 0HA	Contact: Tony Smith
	Tel: 01706 645015 / 07469 714353
	Email: Tony@hbells.co.uk
Demolition Contractor	
The demoliton contractor is to be confirmed	Contact:
	Tel:
	Email:
Health And Safety Consultant	
Spectra Safety Unit 1 Pacific Court , Pacific Road Altrincham	Contact: Stuart Beaumont
	Tel: 07812 519976
	Email: stuart.beaumont@thespectragroup.co.uk

Programme	Working Hours
Start date: TBC. Duration: 1 ½ weeks	7.30am – 4.30pm Monday to Friday Weekend working – none required

Location of the works:



3. Existing Site Features

➤ The Site & Surrounding Areas

The site comprises a single residential dwelling with front and rear gardens and a private driveway. Neighbouring properties are located on either side, and access for plant and vehicles will be via the existing driveway. The immediate environment includes residential housing and public footpaths, requiring careful management of noise, dust, and vehicle movements.

Condition surveys will be carried out prior to works commencing of structures including neighbouring properties, boundaries, etc. which could be adversely affected by removal of the structure or structures or by noise, vibration and/ or dust generated during deconstruction/ demolition. The survey will also include for the presence, or anticipated presence, of protected species.

➤ Existing Services

The existing gas has been confirmed that it is disconnected in the footpath by the utilities company.

Water will be stripped back to the curtiledge of the land by wiaps approved plumbers by H Bell And Sons Limited and a new stop tap installed.

The electric supply will be cut back and installed in a metal structure on the curtiledge of the land. This will comply with the supplier ENW specification.

Written confirmation of isolation will be obtained before demolition begins.

Access to the site is via the existing entrance off **Marland Fold**, which is narrow and shared with residential properties. Due to restricted width and limited turning space, **vehicle access will be carefully controlled** and, where necessary, alternative off-site loading/unloading arrangements will be made.

Vehicle Access:

- Deliveries and collections will be **scheduled to avoid peak traffic**.
- A **banksman** will control all vehicle movements near the entrance and within the site boundary
- Where larger vehicles cannot enter, materials and waste will be **transferred using smaller plant or skip-loading equipment** positioned within the site frontage
- Reversing will be minimised; when unavoidable, it will be under banksman supervision.
- Vehicle engines will be switched off during loading/unloading to reduce noise and emissions.

Pedestrian Access:

- A **designated pedestrian walkway** will be established from the site entrance to the welfare area, segregated from vehicle routes using barriers or Heras fencing.
- All personnel will **sign in and out daily**, ensuring full control of site attendance.
- Access gates will be **kept locked** outside working hours to prevent unauthorised entry.
- Adequate lighting will be provided in darker conditions.

Emergency Egress:

- A **secondary emergency egress point** (if feasible) will be identified for use during plant operations to the rear of the property
- Gates and fencing will be designed to allow **rapid opening for emergency services** if required.

Vehicle Movements in Residential Area

Vehicles entering and leaving the site must drive **with the utmost caution**, showing **due care and consideration** to local residents, pedestrians, and other road users. The **rights of free access for the public** and neighbouring properties will be maintained throughout the duration of the works.

All deliveries, collections, and plant movements will be **carefully planned and supervised** to minimise disruption and maintain safety at all times. Drivers must adhere strictly to traffic movement instructions issued by the on site supervisor **or banksman**.

- **Speed Limit:** A maximum speed limit of **10 mph** applies immediately adjacent to the site
- **Banksman Control:** No vehicle shall reverse without a **banksman present** to guide the manoeuvre safely.
- **Entry and Exit:** Vehicles will enter and leave the site **under the direction of the banksman**, who will ensure that members of the public and other road users are clear of the area before movement occurs.
- **Public Safety:** Pedestrian routes and public access points will remain **open**
- **Consideration to Residents:** Drivers are reminded that the works are in a **residential environment**, and all movements should be undertaken quietly, avoiding unnecessary engine idling, use of horns, or obstruction of driveways.

➤ **Ground Conditions**

“All works will be carried out in full compliance with the Health and Safety Executive (HSE) Guidance Document HSG47: *Avoiding Danger from Underground Services*, ensuring that all underground utilities are located, identified, and isolated prior to excavation or demolition activities.” Prior to commencement of the works, the site will be inspected to identify the location of any weak and variable areas. No overhead cables are present.

➤ **Existing Structures**

Two story residential bungalow



➤ Existing Drawings

The following documents have been supplied by the Principal Contractor:

- Site Location Plan
- Site Restoration Plan
- Demolition Notice

No as-built drawings have been made available

4. Method Statement

➤ Scope of Work

- Site Establishment
- Soft Strip Out
- Demolition
- Removal of ground slab to a maximum depth of 2 metres
- Crushing of suitable material
- Removal of all other arising and waste
- Backfill footprint and any voids to surrounding levels
- Site Finish

➤ Resources

General Staff	
Health And Safety Manager	Michael Scott
Contracts Manager	Steve Fitton
Site Supervisors	TBC
Plant Operatives (CPCS & CCDO)	TBC
Site Operatives (CCDO)	TBC
(The frequency of the site based, and non-site-based personnel will be dependent on operations and programme demand)	

Plant & Equipment	
Komatsu 360 hydraulic excavator Crushing Plant Various attachments RORO truck & waste skips Work vehicles Hand tools	Please note: This is not an exhaustive list and plant, and equipment will be provided at a frequency to deliver the works in a safe manner and in accordance with the agreed programmed works. All plant equipment is to be turned off when standing idle or if the operator leaves the cab. Bungee keys to be supplied to be used on all plant equipment. At the end of the working shift all Plant, Equipment and Tools will be immobilised and parked in designated area.

	Records of thorough inspections will be kept in the site file.
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Power and lighting
There is sufficient natural light within the premises that no further arrangements will be required. If operatives request additional lighting, this will be arranged using podium lights in indicated areas.

➤ **Soft Strip Out**

Prior to the commencement of any strip-out works, an inspection of the work area will be undertaken. This inspection will determine the most suitable and effective method and sequence for the removal of fixtures, fittings, and internal materials.

Stripping of the structure will be carried out using hand tools and, where required, assisted mechanical means. Materials removed from the structure will be segregated and sorted by the demolition excavator where practicable, or placed into skips by hand for recycling or disposal.

All soft-stripping activities will take full account of potential hazards, including working at height, ineffective protection of voids, falling debris, restricted workspace, manual handling, and fire risk (particularly where combustible debris is present).

Prior to the commencement of any strip-out works, written disconnection certificates will be obtained for all services feeding the area.

HOLD POINT

Confirmation that all services have been identified and disconnection certificates are in place.

Site Supervisor: _____

Signature: _____

Date: _____

A dedicated, controlled exclusion zone with clear warning signage will be established around the work area to prevent unauthorised access during soft strip operations.

The removal of the following will be included in the soft strip activity:

- Fixtures and Fittings
- Ceilings where applicable
- Doors, Doorframes and Skirting's
- Partition Walls- (Non-load bearing)
- Removal of sanitary wear
- Removal of kitchen appliances and kitchen units etc
- Removal of Floor Coverings
- All surface mounted electrical cabling & pipework
- All general goods left in the building

The materials will be stripped from their fixings and sorted into their waste streams and placed in the relevant waste skip; from there they will be disposed to a waste recycling facility.

Fixtures and Fittings:

All loose fixtures and fittings that are of a manageable size will be removed whole and carried by hand to the designated disposal point. These items will then be placed directly into the waste skip positioned as close to the work area as is practicably possible.

Any larger or heavier items will be dismantled or downsized using suitable small tools, broken down into safe, manageable sections, and then transported to the disposal point for disposal or recycling.

Doors, Doorframes and Skirtings:

There are very few of these remaining within the building. Doors, door frames and skirting boards will be removed using hand tools such as screwdrivers, pry bars and hammers. Working in pairs, operatives will unscrew door hinges using the correct screwdriver head; doors will then be placed into the wood skip for re-use or disposal at a wood recycling facility.

Skirting boards and door frames will be prised carefully from their fixings — skirtings removed first, followed by door frames. Any protruding nails or fixings will be removed or hammered flat. All resultant materials will be collected and placed into the waste skip for appropriate disposal.

Plasterboard Panels and Timber Framing

There are very few remaining plasterboard sections within the building. Plasterboard panels will be **prised from their fixings** using **claw hammers or pry bars**. Any exposed nail heads will be **hammered flush** into the timber framework to prevent snagging or injury.

Once the plasterboard has been removed, the underlying **timber frame supports** will be taken down, **de-nailed** or nails **hammered flat**, and all resulting materials will be **collected and placed into the waste skip** for disposal or recycling.

Removal of Sanitary Ware

Confirmation that the water supply has been fully isolated must be obtained before any works commence. Units will then be carefully removed by unscrewing their fixings where possible; where this is not practicable, the surrounding brickwork will be carefully broken out to release and remove the units safely.

Removal of Floor Coverings

Carpets

There is a small amount of carpet remaining within the property. As it is not adhered to the floor, operatives will lift and roll it by hand, avoiding unnecessary manual handling. The rolled carpet will be placed directly into the waste skip for disposal or recycling.

Floor tiles: Floor tiles are limited to the kitchen area. These will be lifted using suitable hand tools and immediately placed into a wheelbarrow or similar container for transfer to the waste skip. This will prevent tripping hazards and maintain clear working areas for the duration of the works.

All Surface Mounted Electrical Cabling & Pipework

All redundant pipework will be cut out, and any cables will be severed using insulated cable cutters. Brackets and fixings will be unbolted or removed using appropriate hand tools, with all resulting materials cleared from the work area and placed into the waste skip for disposal

All remaining radiators and the boiler will be disconnected and removed once confirmation of water and power isolation has been obtained. Pipework will be cut back neatly using hand tools, and units will be carefully lifted and removed to avoid spillage. All components will be placed in the metal skip for recycling or disposal.

Lighting will be removed and disconnected with the removal of the cables. All waste pipes and fittings will be removed to the designated storage area

No hot work permits are anticipated for these works. However, if hot work is required for any reason, a Hot Work Permit will be issued detailing the specific location, duration, and equipment to be used, along with the control measures to be implemented and the type of fire extinguisher to be provided at the work area.

Transit Route

Good housekeeping practices will be maintained at all times. The work area will be cleared progressively as work proceeds, and waste will not be allowed to accumulate.

All corridors and walkways leading to the disposal point must be kept clear of obstructions to eliminate slip and trip hazards.

All materials arising from the soft strip activities will be segregated and placed into the appropriate waste skips. Skips will be removed from site as required, and their contents disposed of at an approved recycling facility or licensed waste transfer station.

A trained site supervisor will oversee the works. All operatives have received training in Manual Handling and will be issued with suitable R.P.E. and P.P.E.

HOLD POINT

Confirmation that the soft stripped building has been fenced off to ensure no unauthorized access prior to machine demolition.

Site

Supervisor:

Signature:

Date:

➤ Demolition

Demolition Survey and Exclusion Zone

Prior to any demolition works, a **survey of the structure** will be carried out to identify any **irregularities or weaknesses**. Any findings will be addressed, and amendments made to the **Method Statement** as necessary before works proceed.

A **demolition exclusion zone** will then be established around the working area. **Trained banksmen** will be positioned to control access and maintain safe boundaries, ensuring that **unauthorised personnel are excluded** from the zone at all times. Any unauthorised persons entering the area will be **immediately removed** until the demolition activity has ceased.

HOLD POINT

Confirmation that banksmen are in position prior to commencement of the demolition. Site Supervisor:

Signature:

Date:

HOLD POINT

Confirmation that the building and exclusion zone has been checked for unauthorised personnel prior to commencement of the demolition.

Site Supervisor:

Signature:

Date:

Demolition Method

The building will be **demolished from the top down** using **mechanical means**, employing a **hydraulic excavator** fitted with **full heavy-duty protection cages, ram and track guards, side skirts, and specialist demolition attachments**.

Demolition will be carried out in a **piecemeal, progressive manner**, ensuring that sections of the structure are removed in a **controlled sequence** to maintain overall stability. Constant consideration will be given to the **structural integrity** of the remaining elements to prevent any risk of **premature or uncontrolled collapse**. All **load-bearing walls** will be identified prior to demolition and retained until they become **structurally redundant**.

Demolition Operations

The demolition will be carried out using a **hydraulic excavator** positioned safely within the site boundary. The excavator will be fitted with a **selector grab or bucket attachment** and will work progressively across the structure, reducing it in a **controlled top-down manner**.

Starting at the nearest elevation, openings will be created at roof or eaves level to allow access for the removal of roof coverings and trusses. The excavator will then continue to **reduce the walls in height gradually**, several courses at a time, maintaining a safe distance from the demolition face at all times.

Roof timbers, coverings, and side walls will be **carefully pulled inwards into the building footprint**, allowing the material to fall naturally within the exclusion zone. Works will progress diagonally to create a **stepped profile**, which assists in maintaining stability throughout demolition.

All debris will be **continually cleared** from within the footprint to prevent material build-up and maintain visibility for the operator. Dust suppression will be in operation using a **fine-mist hose or spray** at all times. A **banksman** will remain in attendance to assist with plant movements and maintain exclusion from the working area.

At the end of each working day, any remaining part of the structure will be **left stable and safe**. The Site Supervisor will inspect and record the condition before leaving site.

Removal of Hardstandings and Foundations

Before any excavation or slab removal begins, confirmation will be obtained that **all underground services have been identified and disconnected**.

HOLD POINT: Service isolation certificates verified – *Site Supervisor to sign prior to excavation.*

Ground slabs will be **lifted using the excavator bucket attachment**. Where resistance is encountered, the excavator may be fitted with a **breaker** to crack the slab into manageable sections. Slabs and foundations will be reduced to a **maximum depth of approximately 2 metres**, and the arising material will be **stockpiled on site** for subsequent processing and crushing.

Crushing and Stockpiling

Crushing operations will be carried out in a **designated exclusion zone**, clearly signed and barriered to prevent unauthorised entry. Only **trained and competent personnel** will operate the crusher or work within the zone.

All relevant **PPE** will be worn at all times:

- Safety helmet
- Hi-visibility vest
- Steel-toe boots
- Gloves
- Eye protection
- FFP3 or equivalent dust mask

The crusher will be **inspected daily** before use, including checks of emergency stops, guards, and control systems. The excavator will feed the crusher from a **stable, elevated position**, keeping personnel clear of the loading arc. All operations will stop immediately if any unsafe condition arises.

Crushed material will be **stockpiled for reuse on site**, and all other waste (wood, metal, plasterboard, mixed debris) will be **segregated and removed via licensed skips** to approved recycling facilities.

HOLD POINT

Confirmation that all checks have been carried out and logged by the crusher operative prior to the commencement of crushing operations.

Site Supervisor: _____

Signature: _____

Date: _____

The **360° excavator** feeding material into the crusher will be **positioned on higher ground** to ensure safe loading. A **second excavator** will manage the crushed material, clearing it from the discharge end of the crusher.

As material passes through the crusher, all **deleterious or unsuitable materials** will be removed. The **crushed product** will be screened to comply with the

Highways Agency Specification (Series 600), ensuring only clean, suitable material is retained for reuse.

Dust suppression will be maintained throughout using a **regulated fine water spray** on both the crusher unit and the stockpiles. The quantity of water will be controlled to prevent flooding, and **dust monitoring** will be carried out regularly.

Site Finish

The **footprint of the demolished building** and any areas disturbed during demolition will be **backfilled with crushed material**, graded to match surrounding levels.

Any **surplus crushed material** will be loaded into waste skips and **removed from site** for appropriate disposal.

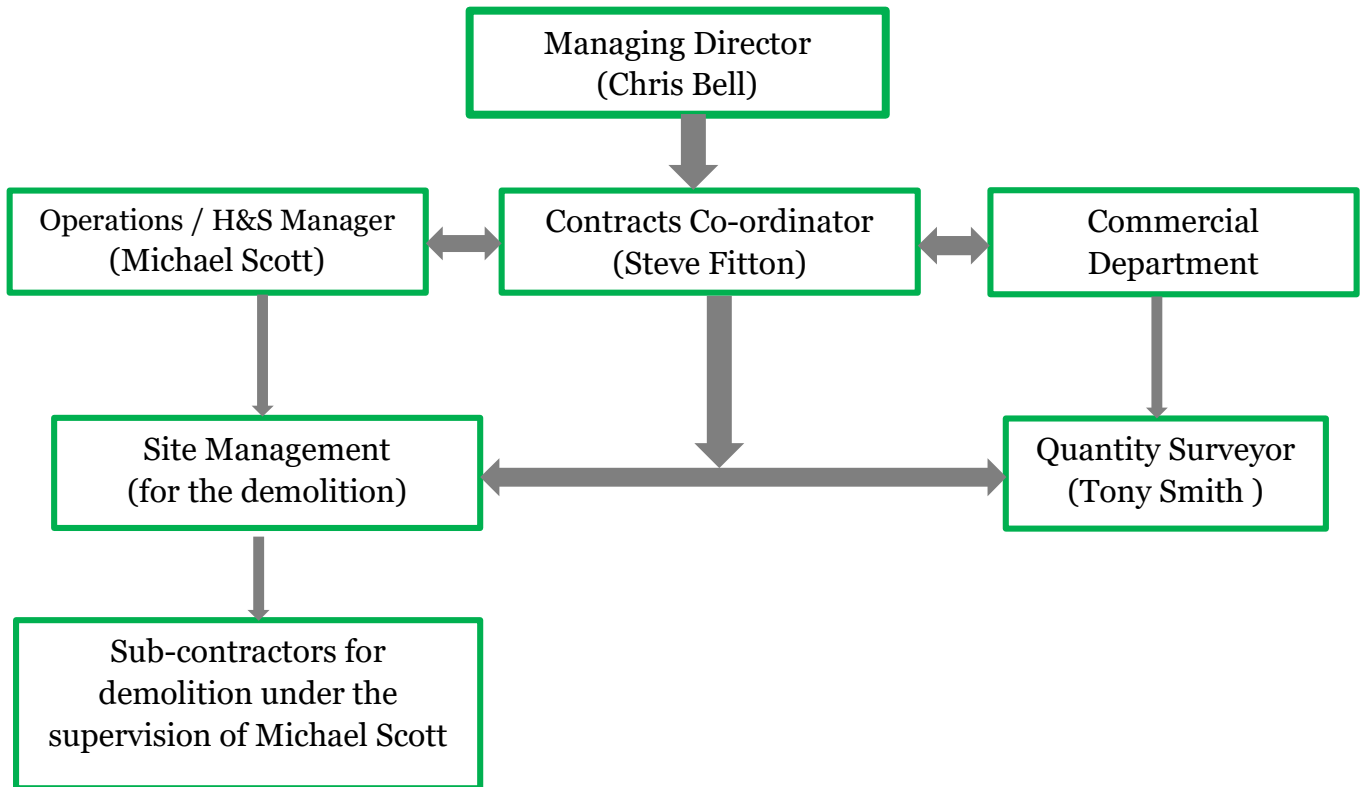
Upon completion, a **joint inspection** will be undertaken between **H Bell & Sons (R) Ltd** and the **Principal Contractor** to confirm that all works have been completed to the **required standard**. Any outstanding works identified will be completed prior to demobilisation.

5. Amendments to the Method

Supervisors must advise Managers of any changes required to the method of work. Supervisors are only permitted to carry out 'minor changes' following authorisation from the Manager. A record of any such changes will be made using the table below to summarise changes and amending in writing any relevant parts of the method.

Only to be completed after consultation with the Manager					
Amendment to the Method or Work					
Supervisor:		Signature:		Date:	
The employees detailed below have signed to confirm that they: -					
Have received a briefing from the Site Manager / Site Supervisor and have read and fully understood the method amendment.					
Will notify their Site Manager / Site Supervisor should there be any abnormalities or areas of concern regarding the works					

6. Management structure for the Demolition Work



➤ Management Responsibilities

Safety Manager for demolition	Michael scott / Demolition supervisor to subcontractor
Site Supervisor for demolition	Michael Scott
Produce RAM's	H & S Manger – Michael Scott
Toolbox talks	Michael Scott
Carry out and record daily briefings	Site Supervisor
Site Audits	Site Supervisor
H & S Audits	Health & Safety Consultant
Plant and equipment daily checks	Site Supervisor & Plant Operatives – demolition company
Prepare & review fire safety plan	H Bell and Sons / demoliton H&S officers

Health, Safety and Welfare Commitment

H Bell & Sons (R) Ltd are fully committed to ensuring the **health, safety and welfare** of all employees, subcontractors, and members of the public who may be affected by our activities on this project.

We aim for an **injury-free project**, conducted in a spirit of professionalism and respect for all involved.

Our objectives are:

- To maintain an **accident-free contract**.
- To promote co-operation throughout the workforce, ensuring health and safety is **everyone's responsibility**.
- To apply a **proactive approach** to risk management by the contract management team.
- To provide and maintain a **safe working environment** as a condition of employment.

H Bell & Sons will ensure that all **statutory duties** are met in accordance with this Method Statement.

The RAMS is a **live document** and will be updated as the project progresses.

All completed site documentation will be **returned to Head Office** upon project completion. H Bell & Sons operate an established **Health & Safety Management System** covering demolition, construction and maintenance operations. The system includes risk assessments, toolbox talks, inspection forms, and training guidance accessible to all staff.

Health & Safety Goals

The goal for this project is **zero incidents** — including RIDDOR-reportable events, near misses, or accidents involving the public.

We aim to achieve:

- **Zero complaints** relating to health, safety or welfare matters.
- **Zero accidents, incidents or near misses.**
- Full compliance with **statutory and contractual obligations** throughout and after the works.

H Bell & Sons retain independent **Health & Safety Advisors** to monitor compliance and provide updates on legislation.

It is the **Contracts Manager** and **Site Supervisor's** responsibility to ensure that all site safety standards are implemented and maintained.

All **accidents or near misses** will be recorded and investigated, and corrective measures implemented to prevent recurrence. Where applicable, incidents will be reported to the **HSE** in accordance with RIDDOR.

Site Safety Information

The following will be displayed on the **site notice board**:

- HSE Law Poster
- Health & Safety Policy Statement
- Section 80 / 81 Notification
- Certificate of Insurance
- Emergency Contacts
- First Aid Arrangements
- Fire Escape Route
- Nearest A&E Details
- Site Rules

Overlap with Other Parties

Neighbouring residential properties will remain **occupied during the works**.

H Bell & Sons will ensure demolition activities **do not create any risk** to neighbouring residents, visitors, or the general public.

Regular **liaison with neighbours** will take place to inform them of high-risk or noisy activities before they begin.

All works will be carried out **without undue disturbance or danger** to others.

Site Security

Site security and **perimeter hoarding/fencing** will be established and maintained by **H Bell & Sons**.

“Danger – Demolition in Progress – No Unauthorised Entry” signs will be displayed along the site boundary.

Materials and debris will **not be stored against the fence** to prevent climbing access.

At the end of each working day the Site Supervisor will ensure:

- COSHH materials are safely contained and secured.
- Any open excavations are made safe.

- Tools and equipment are locked away.
- Stockpiles are stable and safe.
- Contaminated or hazardous waste is correctly labelled and segregated.
- All plant is left in a **safe, immobilised condition**, with keys removed and stored securely off site.
- Waste skips are located **at least 8 metres** from any buildings and away from drainage channels.
- Skips are emptied regularly to reduce arson and environmental risk.
- The risk of **trespass**, particularly by children, is minimised through secure fencing and signage.

Site Inductions & Training

All personnel will receive a **site induction** from **H Bell & Sons' Site Supervisor** prior to starting work.

The induction will cover:

- Project overview and management structure
- Site-specific hazards and control measures
- Site rules and traffic management
- PPE requirements and issue
- Housekeeping and waste management
- Welfare and first-aid arrangements
- Fire and emergency procedures
- Accident reporting
- Consultation and communication procedures

Toolbox Talks will be conducted to address ongoing safety topics and any new developments. Attendance will be recorded, and employees are encouraged to raise any concerns or observations.

Personal Protective Equipment (PPE)

Mandatory PPE:

- Safety helmet
- Hi-visibility vest or jacket
- Safety boots (steel toe and mid-sole protection)
- Cut-resistant gloves (minimum cut 5 rating)

Additional PPE (task-specific):

- Safety goggles or face shield
- FFP3 RPE for dust exposure
- Hearing protection in high-noise areas

All PPE will conform to **BS EN standards** and be compatible with other items of equipment. High-visibility clothing meeting **BS EN 471 (Class 3)** will be worn when working near public roads or moving vehicles.

Welfare Facilities

Welfare facilities will be provided on site in compliance with the **Construction (Design & Management) Regulations 2015**, including toilet, wash, rest, and drying facilities for all personnel.

Fuel Storage & Refuelling

Fuel for plant and machinery will be stored in **secure, double-skinned drums** located on drip trays or nappy pads within a designated area.

Spill kits will be available at all times.

Refuelling will be carried out **using hand pumps directly from the storage drums**, with **drip trays positioned beneath the refuelling point**.

All fuel containers will be locked when not in use and stored away from drainage channels, buildings, or ignition sources.

Accidents / First Aid

H Bell & Sons (R) Ltd have made adequate provision for **first aid**, including trained **first aiders** and an **appointed person** where required, in accordance with the *Health and Safety (First-Aid) Regulations 1981* and the *Approved Code of Practice and Guidance (L74)*.

A suitably stocked **first aid kit** and a **Data Protection-compliant accident report book** will be maintained on site and in the site vehicle at all times.

Notices will be displayed on site identifying the **location of the first aid box** and the **names of trained first aid personnel**.

H Bell & Sons' **emergency procedure** will clearly outline how to respond to any accident or incident, including how to **summon emergency assistance** and details of the **nearest Accident & Emergency department**:

Nearest A&E:

Fairfield General Hospital
Rochdale Old Road, Bury, BL9 7TD
Tel: 0161 624 0420

All operatives and contractors will ensure that a **fully charged mobile phone** is available at all times for emergency use.

RIDDOR

All incidents that meet the **Reporting of Injuries, Diseases and Dangerous Occurrences Regulations (RIDDOR)** will be **reported to the HSE** through **H Bell & Sons Ltd Head Office**.

The **Site Supervisor** is responsible for notifying Head Office immediately of any such event and for obtaining **witness statements** and all supporting details as soon as possible after the incident.

An **accident book** is kept on site by the Site Supervisor for recording all incidents, however minor.

RIDDOR Incident Contact Centre:

Tel: 0345 300 9923 (Monday – Friday 8:30 am to 5:00 pm)

Website: www.hse.gov.uk/riddor/report.htm

Risk Assessments and Safe Systems of Work

Comprehensive **risk assessments** will be prepared prior to any works commencing, following HSE guidance:

1. Identify hazards.
2. Determine who might be harmed and how.
3. Evaluate risks and decide what control measures are required.
4. Record findings and communicate them.
5. Review and update assessments as work progresses.

These assessments will be briefed to all operatives during **site induction** and kept available for reference throughout the works. Further task-specific assessments will be undertaken as required.

Site Rules

All personnel, including any subcontractors, must comply with the Principal Contractor's Site Rules and the following requirements:

- **PPE: As a minimum—safety boots, hard hat, hi-vis vest/jacket, and cut-resistant gloves.**
- **Comply with method statements and risk assessments relevant to your task.**
- **Attend weekly toolbox talks and any required training sessions.**
- **Keep routes, walkways, and fire exits clear at all times.**
- **Vehicles: Enter and leave at non-peak times under banksman control; park only in designated areas.**
- **Check and clean wheels before leaving site to avoid debris on public roads.**
- **No alcohol or drugs allowed on site; anyone under the influence will be refused entry.**
- **Maintain professional conduct at all times—no abusive, discriminatory, or threatening behaviour.**
- **No smoking or fires anywhere on site.**
- **Eating and drinking permitted only within the welfare area.**
- **Fuel, oil, or other combustibles stored only in the designated refuelling area.**
- **Comply with the Control of Pollution Act 1974 for noise and dust.**
- **Excavations must be clearly barriered or covered when open.**
- **Dust suppression to be used where necessary.**
- **No confined-space work without prior authorisation from the Site Supervisor.**
- **Only trained and authorised personnel may operate plant or power tools.**
- **Obtain the relevant permits to work before starting any hot works or other controlled tasks.**
- **Report all accidents and near misses to the Site Supervisor immediately.**
- **Manual handling** of heavy or awkward loads only after risk assessment and team agreement.
- **Work at height only from secure, properly guarded platforms.**
- **Declare to the Site Manager any medical condition or medication that may affect safe working conditions**

Fire and Emergency Procedures

Site: 95 Marland Fold, Rochdale OL11 4RF

Principal Contractor: H Bell & Sons Ltd

Fire Safety Co-ordinator: Michael Scott

Fire Evacuation Procedure:

1. On discovering a fire, **raise the alarm** (air horn or shout "Fire") and notify Site Management.
2. The Fire Safety Co-ordinator will **call 999** and inform the Fire Brigade.
3. All personnel must **evacuate immediately** via the nearest safe route to the **assembly point at the site entrance/welfare area**.
4. Each contractor or team leader will account for their staff using the **sign-in sheet**.
- 5.
6. The Site Supervisor will liaise with the **Fire Brigade** on arrival and advise of any hazards.
7. Do not re-enter the site until declared safe.

Hot Works Permits:

Not generally required for this project. Should hot work be necessary, a **permit-to-work** will be issued detailing the **location, duration, control measures**, and **fire extinguishers** to be provided.

Housekeeping and Storage:

- Remove flammable materials daily.
- Store hazardous substances in approved, labelled containers.
- Secure gas cylinders in a **locked cage**.
- Keep waste in designated containers and remove regularly.

<u>SITE EMERGENCY CONTACT LIST</u>		
<u>NAME</u>	<u>ADDRESS</u>	<u>TELEPHONE NUMBER</u>
FIRE		999
AMBULANCE		999 /112
POLICE		999
LOCAL HSE OFFICES	Health and Safety Executive, Redgrave Court, Merton Rd Bootle, Merseyside L20 7HS	Incident line 0845 3009923
LOCAL WATER SERVICE PROVIDER	United Utilities	Emergencies 0345 6723 723
LOCAL AUTHORITY OFFICES	Rochdale MBC – No1 Riverside, Smith Street Rochdale OL16 1XU	01706 647474
H Bell and Sons Limited	Office	01706 645015
H Bell and Sons Limited – out of hours	Michael Scott Chris Bell	07796443843 07973735489

FIRST AID

First Aider(s) for this site are: All H Bell and Sons Staff

First aid facilities are located in:- staff vehicles and site office

📍 Royal Oldham Hospital
Rochdale Road
Oldham
Greater Manchester
OL1 2JH

**Tel: 0161 624 0420 (Switchboard) / 0161 627 8933 (A&E
Reception)**

7. Arrangements for Controlling Significant Site Safety Risks

Plant & Equipment Delivery

All loading, unloading, and temporary storage will be carried out **within the site boundary** in a safe and controlled manner. Materials and plant will be stored in the **designated compound area**, away from the public highway and pedestrian routes.

Deliveries to and from site will avoid **peak hours (08:00–09:00 and 17:00–18:00)** where possible.

Vehicle movements will be **minimised and supervised by a trained banksman**, following the **traffic management plan** outlined in this RAMS and briefed during site induction.

Working at Height and Preventing Falls

Work at height will be **kept to an absolute minimum**, with most high-level demolition carried out by **mechanical means** using excavators fitted with grapples or other controlled attachments.

All work at height will comply with the **Work at Height Regulations 2005**, ensuring that:

- All such work is properly **planned, organised, and supervised**.
- Weather conditions are considered before work begins.
- Operatives are **trained and competent** for the task.
- Equipment is **inspected** before use.
- **Falling objects** and **fragile surfaces** are effectively controlled.

The hierarchy of control for work at height will always be applied:

1. **Avoid** working at height where possible.
2. **Prevent** falls by using safe platforms and edge protection.
3. **Minimise** the distance and consequences of a fall through suitable equipment and controls.

Plant Competency, Training & Certification (LOLER / PUWER)

All plant and machinery used on site will have current **inspection and test certificates**, in compliance with the **Lifting Operations and Lifting Equipment Regulations 1998 (LOLER)** and the **Provision and Use of Work Equipment Regulations 1998 (PUWER)**.

Daily **visual checks** will be carried out and recorded by the operator.

All operators will hold the appropriate **CPCS or NPORS certification**, and supervisors will ensure that plant and equipment are used safely and only by authorised personnel.

All portable electrical tools will be **PAT tested** in accordance with statutory requirements.

Storage of Materials and Work Equipment

All fuels, lubricants, and other materials will be **stored safely** within the site compound, away from public areas, drains, or watercourses.

No hazardous materials are expected to be used or stored for this project.

Permits to Work

Permits to Work will be used where required (e.g., *Permit to Dig, Roof Access, or Hot Works*). The Site Supervisor will issue, sign, and control all permits.

On completion of the activity, the permit will be **checked, signed off, and cancelled** once the work area has been verified as safe.

Adverse Weather

The **Site Supervisor** will review weather forecasts daily and postpone work if strong winds, heavy rain, or icy conditions present a risk.

Plant and equipment will be **inspected after adverse weather**, and defective or unsafe equipment will be withdrawn from service.

Work will cease immediately if weather conditions make continued operation unsafe, and operatives will move to a **safe location or welfare area** until conditions improve.

8. Arrangements for Controlling Significant Site Health Risks

Asbestos

A Refurbishment and Demolition Survey has **not** been completed for the property at **95 Marland Fold, Rochdale**.

No asbestos-containing materials (ACMs) are expected to be present within the building or surrounding structures.

Should any **suspected asbestos material** be discovered during the works:

- **All operations will stop immediately.**
- The **area will be cordoned off** to prevent access.
- An **asbestos specialist** will be contacted to assess and verify the material before any work resumes.

Manual Handling

Manual handling will be **minimised wherever practicable**.

Mechanical assistance (e.g., excavator or telehandler) will be used for lifting and moving heavy or awkward materials.

Where manual handling cannot be avoided, tasks will be carried out in line with the **Manual Handling Operations Regulations 1992 (as amended)**, and operatives will have received **manual handling training**.

Items over **20 kg** will not be lifted by one person. Repetitive lifting will be risk-assessed and controlled.

Mechanical Handling and Lifting

All lifting operations will be **planned and supervised** by a **competent person**.

Lifting equipment will be certified, maintained, and operated only by **trained personnel** holding the relevant certification.

Where mechanical lifting is not possible, an approved **manual handling assessment** will be carried out before proceeding.

COSHH

No hazardous materials are expected to be used during these works.

If any new substances are introduced, a **COSHH Assessment** will be undertaken immediately, and control measures will be briefed to all operatives.

All COSHH documentation will be kept in the site file and reviewed regularly.

Sharps / Needles

Although unlikely on this site, all operatives will remain vigilant for any **sharps or hypodermic needles**.

If discovered, the Site Supervisor will be informed immediately.

Items will only be handled using a **dedicated sharps bin**, and arrangements will be made for **safe removal by an approved waste contractor**.

9. Environmental Considerations

Environmental Controls

All works will be undertaken **sympathetically to the surrounding environment** and nearby residents. The following measures will apply:

- Dust controlled using **fine water spray or mist suppression**.
- Road and access cleaning maintained to prevent mud and debris leaving site.
- Refuelling to take place only in **designated areas**, with **spill kits** on hand.
- Static plant positioned on **drip trays** or **absorbent mats**.

- Waste segregated into **recycling streams** (brick, metal, timber, mixed).
- No discharge into **drains or watercourses** under any circumstances.

Noise and Vibration

Noise and vibration will be kept to a minimum through:

- Use of **modern, well-maintained plant** with mufflers and silencers.
- Avoiding unnecessary engine idling.
- Limiting hours of operation to **Monday–Friday, 08:00–17:00**.
- Avoiding high-vibration tools where alternative methods exist.

All activities will comply with **BS 5228: Parts 1 & 2 – Noise and Vibration Control on Construction Sites**.

Dust and Fumes

- **Wet suppression** will be used during demolition and crushing operations.
- **Vehicle sheeting** will prevent dust escape during transport.
- Site speed limit: **5 mph**.
- Regular **dust monitoring** by the Site Supervisor.
- Operatives will be briefed on dust hazards and required **RPE (FFP3)** protection.

Waste Management

Waste will be managed in line with the **Waste Hierarchy** and the **Environmental Protection Act 1990**:

- **Reduce, Reuse, Recycle** wherever possible.
- All waste removed by a **licensed carrier**.
- **Waste Transfer Notes** kept for 2 years (non-hazardous).
- **Hazardous Waste Notes**, if applicable, retained for 3 years.
- Surplus crushed materials reused on site where suitable.

Pollution Prevention

- Drip trays or **spill nappies** placed under all stationary plant.
- Spill kits provided and located near refuelling points.
- Any spill will be contained, cleaned, and reported immediately.

- Hydraulic oils used will be **biodegradable** where practicable.
- Temporary storage for any contaminated materials will be arranged pending removal by a licensed carrier.

Environmental Incidents

All environmental incidents or near misses will be reported immediately to:

Environment Agency Incident Hotline: 0800 80 70 60

and subsequently to **H Bell & Sons Head Office** and the **Client**.

Appendix A: Risk & COSHH Assessments

Appendix B: Safe Working Procedure-Crushing & Stockpiling

Employee Sign-up Sheet

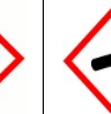
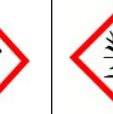
COSHH ASSESSMENT SHEET								
Data Sheet-Lafarge Crushed Concrete								
OPERATION / PROCESS: Concrete crushing					LOCATION: 95 Marland Fold Rochdale OL11 4RF			
PRODUCT / SUBSTANCE USED: Crushed concrete.					INGREDIENTS: Crystalline Silica, Calcium Hydroxide, Portland Cement			
EXPOSURE CONTROLS: Use local exhaust or general dilution ventilation or other suppression method to maintain dust levels below exposure limits								
EXPOSED PERSONS: Operatives								
FREQUENCY OF EXPOSURE:					DURATION OF EXPOSURE:			
HAZARDS: • Main hazard is airborne dust which can be harmful to health in inhaled. • Reacts with moisture, becomes alkaline in contact with water or body fluids e.g. sweat or tears. • May also cause irritant contact dermatitis or allergic (chromium) dermatitis. • May cause inflammation of mucus membranes								
								
Very toxic	Irritant / Sensitiser	Corrosive	Highly flammable	Oxidising	Explosive	Serious longer term health hazards	Contains gas under pressure	Dangerous for the environment
	✓	✓				✓		
CONTROL MEASURES: • Ensure data sheet and COSHH assessment are available for reference by first aiders and employees. • Suitable respiratory protection (HSE approved standard) should be worn to protect against dust inhalation; • Overalls and gloves should be worn to prevent skin contact which should also include suitable footwear; • Eye protection to BS EN 1664-4 should be used to prevent dust entering the eyes; • Dispose of crushed concrete as per local regulations. NTROL MEASURES TO BE PUT IN PLACE:								
								
Hard hat	Goggles	Steel toe capped boots	Ear defenders	Hand protection	High visibility clothing	Dust mask	Respiratory	Face visor
Mandatory	✓	Mandatory	✓	Mandatory	Mandatory	✓		
EXPOSURE ASSESSMENT: OPERATORS & OTHERS: Acceptable if the procedures outlined to minimize risk of exposure are adhered to.								
ASSESSOR: Michael Scott			POSITION: Health And Safety Officer			DATE: 23/10/2025		

COSHH ASSESSMENT SHEET								
Data Sheet – ESSO Diesel/ExxonMobil								
OPERATION / PROCESS: Plant & Equipment-fuel					LOCATION: 95 Marland Fold Rochdale OL11 4RF			
PRODUCT / SUBSTANCES USED: Diesel-Hydrocarbons and Additives					CLASSIFICATION: Category 3 Carcinogen, harmful, dangerous to the environment			
WORKPLACE EXPOSURE LIMIT (WEL): TWA 5mg/m3								
EXPOSED PERSONS: Plant Operatives								
FREQUENCY OF EXPOSURE:					DURATION OF EXPOSURE:			
HAZARDS: - Contact with eyes- short term redness and irritation. - Prolonged/ repeated contact with skin could lead to dermatitis. - Used Diesel contains harmful materials which may lead to skin cancer.								
								
✓	✓		✓			✓		✓
CONTROL MEASURES: - Ensure there is sufficient ventilation of the area - Where concentrations in air exceed WEL, approved respirators are required - Chemical resistant gloves required for prolonged or repeated contact - Safety goggles to be worn - If contact is likely wear safety goggles, chemical resistant overalls and chemically impervious gloves								
								
Mandatory	✓	Mandatory		Mandatory	Mandatory			
EXPOSURE ASSESSMENT: OPERATORS & OTHERS: Acceptable if the procedures outlined to minimize risk of exposure are adhered to.								
ASSESSOR: Michael Scott			POSITION: Health And Safety Officer			DATE: 23/10/2025		

COSHH ASSESSMENT SHEET								
Data sheet – Tetrosyl Limited								
OPERATION / PROCESS: Plant & equipment					LOCATION: 95 Marland Fold Rochdale OL11 4RF			
PRODUCT / SUBSTANCES USED: Diesel Engine Oil – 20W/50					HAZARDOUS CONTENT: Mineral oil			
WORKPLACE EXPOSURE LIMIT (WEL): LTEL (8 hour TWA) STEL (15min) No exposure limit defined by EH40/2005								
EXPOSED PERSONS: Plant operatives								
FREQUENCY OF EXPOSURE:					DURATION OF EXPOSURE:			
HAZARDS: - Contact with eyes- short term redness and irritation. - Prolonged/ repeated contact with skin could lead to dermatitis. - Used engine oils contain harmful materials which may lead to skin cancer.								
								
Very toxic	Irritant / Sensitiser	Corrosive	Highly flammable	Oxidising	Explosive	Serious longer term health hazards	Contains gas under pressure	Dangerous for the environment
	✓					✓		✓
CONTROL MEASURES: - Ensure data sheets and COSHH assessments available for reference by first aiders and employees. - Avoid splashes; where splashing is likely, wear chemical splash goggles. - Wear impervious gloves where prolonged contact is likely. - Use in a well-ventilated area. - DO NOT enter tanks without breathing apparatus and confined space permit to work. - DO NOT siphon by mouth.								
								
Hard hat	Goggles	Steel toe capped boots	Ear defenders	Hand protection	High visibility clothing	Dust mask	Respiratory	Face visor
Mandatory	✓	Mandatory		Mandatory	Mandatory			
EXPOSURE ASSESSMENT: OPERATORS & OTHERS: Acceptable if the procedures outlined to minimize risk of exposure are adhered to.								
ASSESSOR: Michael Scott			POSITION: Health And Safety Officer			DATE: 23/10/2025		

COSHH ASSESSMENT SHEET								
Data Sheet-Pirtek General Grease Range								
OPERATION / PROCESS: Excavator-lubrication						LOCATION: 95 Marland Fold Rochdale OL11 4RF		
PRODUCT / SUBSTANCES USED: Pirtek General Grease Range						CLASSIFICATION: Not classed as hazardous		
WORKPLACE EXPOSURE LIMITS (WEL): Have not been assigned.								
EXPOSED PERSONS: Plant operatives								
FREQUENCY OF EXPOSURE:						DURATION OF EXPOSURE:		
HAZARDS: May irritate eyes / skin on contact.								
								
Very toxic	Irritant / Sensitiser	Corrosive	Highly flammable	Oxidising	Explosive	Serious longer term health hazards	Contains gas under pressure	Dangerous for the environment
	✓							✓
CONTROL MEASURES: - Respiratory protection is not normally required under normal conditions of use. - Use barrier cream on hands. Protective gloves. Wash at the end of each working shift and before eating, smoking and using the toilet. - Wear face visor or protective goggles/safety glasses where eye contact can accidentally occur. - Personnel should wear regularly laundered overalls.								
								
Hard hat	Goggles	Steel toe capped boots	Ear defenders	Hand protection	High visibility clothing	Dust mask	Respiratory	Face visor
Mandatory	✓	Mandatory		Mandatory	Mandatory			
EXPOSURE ASSESSMENT: OPERATORS & OTHERS: Acceptable if the procedures outlined to minimize risk of exposure are adhered to.								
ASSESSOR: Michael Scott			POSITION: Health And Safety Officer			DATE: 23/10/2025		

COSHH ASSESSMENT SHEET								
Data Sheet-Pirtek Fluid Transfer Solutions								
OPERATION / PROCESS: Excavators lubricant						LOCATION: 95 Marland Fold Rochdale OL11 4RF		
PRODUCT / SUBSTANCES USED: Pirtek Hydraulic Oil 46						CLASSIFICATION: Not classified		
WORKPLACE EXPOSURE LIMIT (WEL): 8-hour TWA 15min STEL 5mg/m3 10mg/m3								
EXPOSED PERSONS: Plant operatives								
FREQUENCY OF EXPOSURE:						DURATION OF EXPOSURE:		
HAZARDS: No significant hazard. This material is not considered to be hazardous but should be handled in accordance with good industrial hygiene and safety practices.								
								
Very toxic	Irritant / Sensitiser	Corrosive	Highly flammable	Oxidising	Explosive	Serious longer term health hazards	Contains gas under pressure	Dangerous for the environment
	✓							
CONTROL MEASURES: - Ensure there is sufficient ventilation of the area. - Respiratory protection is unnecessary, provided the concentration of vapour, mists or fumes are adequately controlled. If operations are such that excessive levels of vapour, mists or fumes are generated, and operators are unavoidably exposed, then suitable respiratory equipment should be provided. - Protective gloves - Wear face visor or protective goggles/safety glasses where eye contact can accidentally occur. - If skin contact is likely, wear impervious protective clothing.								
								
Hard hat	Goggles	Steel toe capped boots	Ear defenders	Hand protection	High visibility clothing	Dust mask	Respiratory	Face visor
Mandatory	✓	Mandatory		Mandatory	Mandatory			
EXPOSURE ASSESSMENT: OPERATORS & OTHERS: Acceptable if the procedures outlined to minimize risk of exposure are adhered to.								
ASSESSOR: Michael Scott			POSITION: Health And Safety Officer			DATE: 23/10/2025		

COSHH ASSESSMENT SHEET								
OPERATION / PROCESS: Fuel					LOCATION: 95 Marland Fold Rochdale OL11 4RF			
PRODUCT / SUBSTANCES USED: Unleaded petrol					HAZARDOUS CONTENT: Benzene / n-Hexane / Toluene / Xylene			
WORKPLACE EXPOSURE LIMIT (WEL): LTEL (8 hr TWA) STEL (15-min) 1 ppm N/a 20 ppm / 72 mg/m3 N/a 50 ppm / 191 mg/m3 150 ppm 574 mg/m3 50 ppm / 220 mg/m3 100 ppm / 441 mg/m3								
EXPOSED PERSONS: Plant operatives								
FREQUENCY OF EXPOSURE:					DURATION OF EXPOSURE:			
HAZARDS: - Ingestion of small amounts may cause nausea and diarrhoea; larger amounts may cause irritation, drowsiness and vomiting. - Prolonged or repeated exposure may lead to short-term irritation, defatting of the skin and dermatitis. - Exposure to high levels of the vapour can cause irritation to eyes and mucous membranes, and drowsiness leading to loss of consciousness. - Contact with the eyes is likely to cause short-term irritation with redness and stinging. - Benzene is a category 2 carcinogenic and may cause cancer.								
								
Very toxic	Irritant / Sensitiser	Corrosive	Highly flammable	Oxidising	Explosive	Serious longer term health hazards	Contains gas under pressure	Dangerous for the environment
✓	✓		✓		✓	✓		✓
CONTROL MEASURES: - Ensure data sheet and COSHH assessment are available for reference by first aiders and employees. - Ensure good ventilation. Where exposure is likely to exceed limits, compressed air breathing apparatus to BS EN 137 should be used. - Wear protective clothing, nitrile gloves to BS EN 374 and goggles to BS EN 166-3 where there is a risk of splashing. - Dispose of/replace contaminated clothing.								
								
Hard hat	Goggles	Steel toe capped boots	Ear defenders	Hand protection	High visibility clothing	Dust mask	Respiratory	Face visor
Mandatory	✓	Mandatory		Mandatory	Mandatory			
EXPOSURE ASSESSMENT: OPERATORS & OTHERS: Acceptable if the procedures outlined to minimize risk of exposure are adhered to.								
ASSESSOR: Michael Scott			POSITION: Health And Safety Officer			DATE: 23/10/2025		

APPENDIX A

RISK & COSHH ASSESSMENTS

KEY	Persons at Risk			S = Severity			P = Probability		R = Risk = S x P						
	P = Public E = Employees S = Sub=contractors			1 = Trivial 2 = Minor injury 3 = Major injury to one person 4 = Major injury to several people 5 = Fatal			1 = Improbable occurrence 2 = Remote occurrence 3 = Possible occurrence 4 = Probable occurrence 5 = Likely occurrence		15-25 = High risk 8 – 12 = Medium risk 1 – 6 = Low risk						
Hazard:		Persons at Risk		Initial Assessment			Control Measures					Residual Risk			
Demolition		P	E	S	S	P	S x P + R						S	P	S x P = R
<u>Falling debris:</u> Cuts, abrasions, bruising, crushing injury, fatality.		✓	✓	✓	5	3	15	Work zone established and fenced. Work zone to be established and securely fenced prior to commencement of works. Pedestrian walkways will be clearly established and demarcated. Only authorised personnel (e.g. plant operator and banksman) are permitted within the work zone. All work equipment must hold a current certificate of thorough examination and be subject to regular maintenance and weekly inspections to prevent mechanical failure. Only CPCS-trained operatives shall operate excavators and other plant. Appropriate PPE shall be worn at all times. All other workers operating nearby will maintain a safe distance from demolition activities. A safety exclusion zone will be maintained around the demolition area; only authorised persons may enter. Additional Measures: A First Aid qualified person will be present on site with a suitable First Aid Kit. Management will ensure that the correct excavator type is selected for the works. All operatives will be briefed on associated risks and hazards , including the content of the Method Statement and Safe System of Work . Safety helmets must be worn at all times.					5	2	10
<u>Exposure to hazardous substances; e. g. Asbestos:</u> Asbestosis mesothemolia, respiratory problems		✓	✓	✓	5	3	15	Ensure up to date asbestos survey is in place prior to works. Operatives informed of and adhered to method statement for works. Workers trained in the handling of contaminated materials. Work areas are segregated and labelled. Appropriate personal protective equipment is provided, and its use enforced. Workers practice high levels of personal hygiene. Health surveillance is provided where appropriate. Withdraw from area if ill effects experienced.					5	2	10

							Ensure a pre-demolition inspection and any required surveys are completed prior to the commencement of works. Operatives will be informed of and must adhere to the method statement and safe system of work. All workers will receive training in the safe handling of potentially contaminated or hazardous materials. Work areas are to be clearly segregated and labelled. Appropriate personal protective equipment (PPE) will be provided, worn, and enforced at all times. Workers must maintain a high level of personal hygiene throughout operations. Where required, health surveillance will be provided to ensure worker wellbeing. Should any operative experience ill effects, they must withdraw from the area immediately and report to the site supervisor.			
Noise: Noise induced hearing loss	✓	✓	✓	3	3	9	Noisy work will be restricted to designated 'ear protection zones' to minimise the number of persons exposed. Suitable hearing protection will be provided and worn by all operatives within these zones. All staff will receive training in noise awareness, including the correct selection, fitting, use, and maintenance of hearing protection as advised by the manufacturer. Where possible, low-noise equipment will be selected and maintained to manufacturer standards. Manufacturers' guidance will be checked to ensure that the correct SNR-rated hearing protection is issued. Additional Measures: A separate Noise Risk Assessment will be completed where necessary to confirm exposure levels. Hearing protection will be checked for compatibility with other PPE (e.g. helmets, goggles). Operatives will be referred to the HSE Noise at Work guidance (www.hse.gov.uk/noise/index.htm). The Occupational Health Provider (OHP) may be consulted to determine whether health surveillance (audiometric testing) is required	3	1	3
Dust: Damage to lungs, eyes, dermatitis	✓	✓	✓	3	3	9	RPE appropriate to the task (e.g. FFP3) will be issued and worn at all times, with operatives carrying out press-to-check tests before use. Where necessary, forced ventilation or extraction systems will be employed to maintain safe working conditions. Dust suppression techniques such as damping down of work areas, demolition points, and haul routes will be used continuously, particularly during dry weather. All operatives will undergo face-fit testing for their RPE and be trained in its correct use and maintenance. Supervisors will carry out regular monitoring of PPE use to ensure compliance. Additional Measures: - Operatives will be briefed on the health risks associated with dust and the importance of maintaining good personal hygiene. Health surveillance will be implemented where necessary, in consultation with the Occupational Health Provider (OHP).	3	2	6

<u>Vibration:</u> Whole body vibration, fatigue, musculo skeletal disorders, health problems		✓		3	3	9	Whole-body vibration exposures will be assessed prior to and during the works. A procurement policy is in place to ensure all new equipment purchased includes effective vibration control systems. All plant and machinery will be subject to a strict inspection and maintenance regime to prevent vibration levels increasing due to mechanical faults. Where operatives are likely to exceed daily exposure limits, task rotation will be implemented to minimise individual exposure. A health surveillance programme will be introduced where required to monitor operator wellbeing. Additional Measures: A formal Whole-Body Vibration Assessment will be carried out to confirm safe exposure levels and recorded as part of site documentation.	3	1	3
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Hazard:	Persons at Risk			Initial Assessment			Control Measures	Residual Risk		
Soft Stripping	P	E	S	S	P	S x P + R		S	P	S x P = R
<u>Contact with sharp objects:</u> Cuts, lacerations, puncture wounds		✓	✓	3	4	12	Suitable PPE to include safety boots and cut resistant gloves (EN388) gloves are worn at all times. All workers undertaking other works in proximity to the demolition works should be kept at a safe distance. A safety exclusion zone should be established around the perimeter of the demolition works; only authorised persons shall be permitted to enter the exclusion zone. <u>Additional measures:</u> All operatives to be made aware of the risks and hazards associated with demolition works and to be instructed in the contents of the method statement and safe system work. Ensure adequate supervision is provided and that control measures remain valid for the duration of the work.	3	2	6
<u>Contact with live services:</u> Electrocution, burns, death		✓	✓	5	3	15	All live services must be identified and fully disconnected prior to the commencement of works. Verification of service isolation will be obtained and documented before any activity begins. All operatives will receive a briefing and training on the emergency procedures to follow in the event of a service strike or suspected live service. <u>Additional Measures:</u> All services will be assumed live until proven otherwise. If uncertainty exists, work will be stopped immediately and the area made safe until confirmation is received. A Permit to Work / Permit to Dig system will be used where required.	5	2	10
<u>Impact injury:</u> Loss of consciousness, bruising, cuts and abrasions		✓	✓	4	4	16	<u>PPE</u> appropriate to the task will be issued and worn at all times, including hard hats, safety footwear, impact-resistant goggles, ear defenders, dust masks, and gloves. All operatives using equipment will be instructed to warn others in the vicinity who may be affected by their work and ensure that they remain at a safe distance. <u>Daily briefings</u> will be provided to ensure operatives are informed of any other activities being undertaken in proximity to their work area. <u>Additional Measures:</u> Toolbox Talks will be conducted regularly to reinforce safe working practices. - A First Aid qualified person will be available on site at all times, with a suitable and fully stocked First Aid Kit. Contact details for the nearest medical facility and local health authority will be clearly displayed on site notice boards.	3	2	6

Manual handling: Sprains and strains, pulled muscles and torn ligaments.		✓		4	4	16	Mechanical aids will be used wherever possible to move heavy or bulky items. All operatives involved in manual handling will be assessed for physical capability prior to lifting and trained in the kinetic (safe) method of lifting. Operatives must seek assistance if a load is too heavy or awkward to handle; team lifting is to be used where necessary. All staff will be instructed in the safe systems of work and must ensure that the workplace remains clean and tidy with walkways kept clear at all times. Mechanical handling equipment will be provided to deliver materials directly to the point of use. Additional Measures: - Comply with the Manual Handling Assessment (TILE) principles – <i>Task, Individual, Load, and Environment</i>. - Ensure adequate supervision is maintained, and that control measures remain effective throughout the works. - Conduct Toolbox Talks to refresh operatives on safe manual handling techniques.	2	2	4
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Hazard:	Persons at Risk			Initial Assessment			Control Measures	Residual Risk		
Hand Tools	P	E	S	S	P	S x P + R		S	P	S x P = R
Impact with the tool: Minor injuries, cuts and abrasions		✓		3	3	9	All hand tools must be in good condition, correctly maintained, and suitable for the task. Tools must be sharp and used only for their intended purpose. All operatives will be instructed and trained in the correct and safe use of the tools they operate. PPE appropriate to the task will be issued and worn at all times, including hard hats, safety footwear, impact-resistant goggles, ear defenders, dust masks, and gloves. Operatives using tools or equipment will warn nearby personnel and ensure that others remain at a safe distance during the task. Additional Measures: Toolbox Talks will be carried out regularly to reinforce safe working practices. - A First Aid qualified person will be available on site with a suitable First Aid Kit. Contact details for the nearest Health Authority will be displayed on site for emergency reference.	3	1	3
Manual handling: Sprains, strains, pulled muscles and torn ligaments		✓		3	5	15	All operatives involved in manual handling will be assessed for physical capability prior to lifting and carrying. Operatives will be trained in the kinetic (safe) method of lifting and must seek assistance or carry out a team lift if the load is too heavy or awkward. All personnel will be instructed in the safe systems of work and will maintain a clean and tidy workplace with walkways kept clear at all times. Mechanical handling equipment will be provided to deliver materials directly to the point of use. Where work involves kneeling or prolonged physical strain, knee pads will be worn, and regular breaks will be taken to prevent fatigue or injury. Additional Measures: - Comply with the Manual Handling Assessment (TILE) principles – <i>Task, Individual, Load, and Environment</i>. - Ensure adequate supervision is provided, and that control measures remain valid for the duration of the works. - Conduct regular Toolbox Talks to reinforce safe manual handling techniques and prevent poor practice.	3	2	6

Hazard:	Persons at Risk			Initial Assessment			Control Measures	Residual Risk		
Concrete crushing	P	E	S	S	P	S x P + R		S	P	S x P = R
Crushing: Broken bones or amputation		✓	✓	5	3	15	Machine guarding, screens, and guard railings will be installed where necessary to protect operatives. Emergency isolation points, interlocks, and trip guards will be clearly marked and tested regularly. All operatives will receive full information, instruction, and training relevant to the crushing operation. PPE including head, eye, hand, respiratory, and foot protection, along with high-visibility clothing, will be worn at all times. A safety exclusion zone will be established around the perimeter of the crushing works — only authorised persons shall be permitted to enter. All operatives will be made aware of the risks and hazards associated with concrete crushing and instructed in the contents of the method statement and safe system of work. Where appropriate, hydraulic concrete crushers will be used to minimise vibration and dust emissions. Additional Measures: - Monitor adverse weather conditions (e.g., snow, ice) and apply suitable control measures such as gritting or salting. - Implement a safe system of work for the clearing of blockages and ensure this is briefed to all operatives. - Ensure adequate supervision is maintained and control measures remain valid for the duration of the works.	5	2	10
Electric shock (where applicable) Severe burns		✓		5	3	15	Equipment operated by trained workers. Electrical equipment is subject to a regime of maintenance and inspection. The electric cables are to be checked daily for abrasion/damage and all kit complies with electricity at work regulations. Plant to have maintenance and inspection records available (PUWER). All electrical power tools to be 110v or less. Ensure competent operative. Trailing cables shall be managed to reduce the risk of slips, trips and falls. All tools shall be earthed or double insulated. Temporary and impromptu repairs shall not be allowed. All tools and cables shall be inspected before use. Transformers shall be centre tapped to earth. When not in use, all tools shall be disconnected from its electrical supply. All damaged and defective equipment shall immediately be taken out of use, reported to the supervisor and marked as being defective. Additional measures: A planned preventative maintenance system shall be implemented whereby all equipment shall be regularly inspected, tested and maintained in accordance with manufacturers recommendations. At least one person on site shall have received training in electric shock treatment. First Aid qualified person available on site with an appropriate First Aid Kit for the scope of works. Contact details of local Health Authority readily available.	5	2	10

<u>Whole-body vibration exposure</u>		✓		3	3	9	Whole body vibration exposures assessed. Procurement policy in place to ensure new equipment purchased has good vibration control devices in place.	3	1	3
Whole body vibration, fatigue musculoskeletal disorders, health problems							Machine inspection and maintenance regimes in place to ensure vibration levels are not increased due to faults with the machine. Task rotation implemented when workers are likely to be exposed above daily exposure limits. Health surveillance programme in place where applicable. <u>Additional Measures:</u> Carry out whole body vibration assessment.			
<u>Noise exposure:</u> Noise induced hearing damage		✓	✓	4	3	12	Noise risk assessment to be carried out. Purchasing policy to replace tools with quietest option. Noisy work restricted to 'ear protection zone' to reduce the numbers at risk. Suitable hearing protectors provided for staff and staff trained how to use, check and maintain them according to advice given by supplier. Staff trained in risk of noise exposure. Check manufacturers guidance to ensure the correct SNR of hearing protection is issued. <u>Additional measures:</u> Acoustic barriers to be used in public areas. A separate risk assessment is required for noise exposure levels. Ensure Hearing protection works with other protective equipment. Workers to be shown HSE's Noise Webpages (www.hse.gov.uk/noise/index.htm) Seek opinion of OHP whether health checks required.	4	2	8
<u>Inhalation / Ingestion of dust:</u> Respiratory diseases, dermatitis		✓	✓	3	3	9	Use only trained/experienced operators. PPE to include impervious gloves, safety footwear, goggles to BS EN 166B, dust mask. Where RPE is worn then individual Face Fit Tests should be completed. Refer to findings from COSHH assessment to clarify what PPE is required. All staff to be informed of the health hazards (Silicosis and Dermatitis) associated with inhaling brick dust and from contact with mortar. Staff to be informed of the hazards and risks (concrete burns and dermatitis) from contact with concrete. <u>Additional measures:</u> Health surveillance may be required, seek advice from your OHP. Wash all concrete off skin immediately. Carry out COSHH assessment on all substances used, wherever possible substitute for less hazardous substance.	3	1	3

							Ensure findings are communicated to operatives.			
<u>Falls from height.</u> Fractures, bruising, cuts and lacerations		✓		3	3	9	Retro-fit safety equipment to the equipment if necessary. Provide protective equipment such as slip- resistant safety footwear. Keep equipment in good order. Respond to ideas for preventing falls from vehicles. Follow safe systems of work for loading and unloading vehicles. Make sure you have been trained in and follow the company's safe ways of working if you have to use equipment. Always use steps and handholds if provided. Take a few seconds to climb down from the cab, load area or catwalk facing the vehicle and use the handhold. Report missing or damaged equipment. Before stepping off the vehicle, check for uneven surfaces such as potholes or kerbs which may cause you to slip. Carry out pre-use checks on your vehicle. For example, check any steps or handholds are in good condition. Additional measures: Ensure that suitable training is provided to drivers/operatives.	3	2	6
<u>Being struck by ejected materials.</u> Cuts, abrasions, impalement		✓	✓	3	3	9	PPE including, head, eye, hand, respiratory, foot protection and High Visibility Clothing. Machine Guarding/Screens and Guard railing to be fitted. <u>Segregation zone between operative and plant.</u> Additional measures: Ensure adequate supervision is provided and that control measures remain valid for the duration of the work.	3	2	6

<u>Falling Debris</u> Cuts, bruises, fractures, crushing, death		✓	✓	5	3	15	Work zone established and fenced. Pedestrian walkways established and demarcated. Only authorised personnel allowed in the work zone e.g., plant operator and banksman. Work equipment subject to annual certificate of thorough examination, regular maintenance and weekly inspection to prevent mechanical failures. Only CPCS trained workers to operate equipment. Appropriate personal protective equipment issued to workers. First aid assistance provided. <u>Additional measures:</u> First Aid qualified person available on site with an appropriate First Aid Kit for the scope of works. Management to ensure that the correct equipment for the job has been selected. All operatives to be made aware of the risks and hazards associated with the task and to be instructed in the contents of the method statement and safe system work. Safety Helmets are to be worn at all times.	5	1	5
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<u>Struck by the loading machine, i.e., excavator.</u> Impact injury, cuts and lacerations		✓	✓	4	3	12	A minimum clearance distance of 600mm shall be maintained between the outer radius of the excavator and any surrounding structures or obstructions. A clearly defined work zone will be established and fenced, with pedestrian walkways properly demarcated. Only authorised personnel and plant (e.g., excavator operator, banksman, water bowser) are permitted within the designated working area. All excavator operators must hold valid CPCS certification for the class of machine in use. Where the operator's field of vision is limited or where other workers are present in the area, vehicle movements will be directed by a trained banksman. All workers will wear appropriate PPE, including high-visibility waistcoats or jackets, safety helmets, and protective footwear. A signal system (light, audible, or hand signals) will be agreed and followed by all operatives. Additional Measures: • Conduct First Aid training for designated personnel. • Provide daily briefings to ensure operatives are informed of any activities being undertaken nearby. • Supervisors to verify that exclusion zones and communication protocols remain effective throughout the works.	4	2	8
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Hazard:	Persons at Risk			Initial Assessment			Control Measures	Residual Risk		
Excavators	P	E	S	S	P	S x P + R		S	P	S x P = R
<u>Machine tipping over.</u> Crushing injuries, entrapment injuries, death		✓	✓	5	3	15	Site survey carried out to identify ground instabilities and features. Safe routes identified and demarcated. Machine Operator CPCS trained. Machine fitted with roll over protection and machine operator wears the lap belt. Banksman provided when machine operating in conditions with limited visibility or high-risk areas e.g., close to deep excavations. Ensure stop blocks are fitted when vehicles or plant is tipping into an excavation and that the vehicle or plant is guided by a signaller. <u>Additional measures:</u> Procure site survey. Supervisors are to ensure safe excavating techniques are implemented at all times. Care to be taken when operating on inclines and when traversing slopes. Supervisors are to ensure safe excavating techniques are implemented at all times. Care to be taken when operating on inclines and when traversing slopes.	5	1	5
<u>Machine refuelling</u> Fire, explosion, burns, skin irritation		✓	✓	4	3	12	Refuelling activities planned. E.g., refuelling point or mobile refuelling facility. Refuelling operative trained and competent to carry out refuelling activity. Fire controls in place. E.g., no smoking zone, fire extinguishers, etc. COSHH Assessment carried out on fuel substance. Personal protective equipment issued, and its use enforced. <u>Additional measures:</u> Establish if machine will be refuelled at a refuelling point or if a mobile tank will be taken to the machine to refuel it. Carry out COSHH Assessment on fuel.	4	1	4
<u>Striking underground services</u> Fire, explosion, flooding and entrapment		✓	✓	5	4	20	All operatives should be trained in the requirements of HSG 47 Avoiding Danger from Underground Services. All operatives to be trained in emergency procedures to be followed in the event of a service strike. Confirm the location of services with a cable detection tool. Hand dig around services to avoid damage. <u>Additional measures:</u> Obtain copies of services drawings and mark them out on the surface prior to starting work. Implement a permit to dig system. A detailed method statement outlining the work should also be provided. All services should be assumed live until proved otherwise.	4	2	8

<u>Machine manoeuvres</u> Impact/crushing injuries, death. impact with buildings/vehicles/other plant		✓	✓	5	3	15	A minimum distance of 600mm shall be left between the outer radius of the machine and any structures/obstructions. Work zone established and fenced. Pedestrian walkways established and demarcated. Only authorised personnel and plant allowed in the work zone e.g., plant operator, banksman, water bowser etc. Only CPCS trained workers to operate excavators. Vehicle movements controlled by a banksman when field of vision is limited and/or when other workers are in the work area. All workers wearing appropriate personal protective equipment e.g., hi viz waistcoat or jacket. First aid assistance provided. <u>Additional measures:</u> Carry out first aid training. Daily briefing to be provided to ensure operatives are informed of any other activities which may be undertaken in the vicinity of their work.	5	2	10

Hazard:	Persons at Risk			Initial Assessment			Control Measures	Residual Risk		
<u>LOADING/UNLOADING PLANT TRANSPORTER/DELIVERY/REMOVAL OF PLANT</u>	P	E	S	S	P	S x P + R		S	P	S x P = R
<u>Plant falling from loader.</u> Death, damage to equipment	✓	✓	✓	5	3	15	Transporters to be positioned on firm level ground, brakes on. Loading/unloading carried out at slowest possible speed and with utmost care. All machine drivers are to be competent for the specific plant they operate, this should include formal certification to CPCS or equivalent. Driver to dismount the vehicle whilst it is being loaded. Clearly marked pedestrian routes shall be identified on site to ensure vehicular and pedestrian traffic are kept separate. No persons to be permitted within the operating range of the machine without the operator's permission. Before loading, check the load platform, bodywork and anchor points to make sure that they are suitable for the load, are clean and are in a good working order. <u>Additional measures:</u> Exclusion zone should be considered around loading area. Daily briefing to be provided to ensure operatives are informed of any other activities which may be undertaken in the vicinity of their work. Manager to ensure driver is given appropriate instruction or training. All operatives to be made aware of the risks and hazards associated with working on transporters and to be instructed in the contents of the method statement and safe system work.	2	3	6
<u>Trapping</u> Death, fractures, cuts & abrasions		✓	✓	5	3	15	Persons not involved in the process are kept clear. Banksman to be employed both on and off the transporters. All contractors on site need to ensure that designated loading off-loading areas are kept clear during operations. Where banksman are used, you must be clear about what their signals mean and obey them. If you can't see your banksman at any time when moving -Stop! Ensure that appropriate high vis clothing is worn and PPE (as required). <u>Additional measures:</u> Ensure adequate supervision is provided and that control measures remain valid for the duration of the work.	2	2	4

<u>Falls from height.</u> Broken bones, serious injury		✓	✓	3	4	12	Ensure steps are taken to prevent falls from height when accessing the rear of the transporter. Loading/unloading process organised to minimise time spent on trailer. <u>Additional measures:</u> All operatives to be made aware of the risks and hazards associated with working at height and to be instructed in the contents of the method statement and safe system work.	3	1	3
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Hazard:	Persons at Risk			Initial Assessment			Control Measures	Residual Risk		
Working at Height	P	E	S	S	P	S x P + R		S	P	S x P = R
<u>Operatives falling from height.</u> Serious injury or possible fatality if a worker falls.		✓	✓	5	4	20	Working at height is avoided where possible. The most reasonably practicable means of access is used where working at height cannot be avoided. Operatives are fully trained & instructed in safe use of all work equipment. All selected work equipment is suitable and fit for purpose. All work equipment is regularly inspected & maintained in good order. <u>Additional measures:</u> Reference to separate risk assessments for use of specific equipment e.g., Hop-ups Ensure that physical capabilities are taken into account when allocating works.	4	3	12

Hazard:	Persons at Risk			Initial Assessment			Control Measures	Residual Risk		
Hop-ups	P	E	S	S	P	S x P + R		S	P	S x P = R
<u>Hop-up toppling over.</u> <u>(Uneven surfaces)</u> Fractures, bruises		✓		3	4	12	Hop ups are used only on a firm, level base; not placed on trailing leads, etc. If hop ups are to be used, then ensure they are 600 x 600mm. All tools, equipment and access facilities shall be checked and inspected before use. <u>Additional measures:</u> All staff to be fully briefed of the hazards and the control measures necessary to reduce the risk. Toolbox Talks can be used to refresh operatives on the use of hop ups.	3	2	6

Hazard:	Persons at Risk			Initial Assessment			Control Measures	Residual Risk		
	P	E	S	S	P	S x P + R		S	P	S x P = R
Housekeeping & waste control										
<u>Slips, trips and falls.</u> Cuts, broken bones		✓	✓	4	4	16	All operatives shall maintain good housekeeping practices at all times. Waste and debris must not be allowed to accumulate in the work area. Skips and designated waste areas are to be used, and areas shall be cleared progressively as work advances. Operatives are required to report any poor housekeeping practices immediately to the Site Supervisor. All reusable or surplus materials are to be neatly stacked and returned to stores or suppliers as soon as possible. Corridors, stairways, and pedestrian routes must be kept free from obstructions at all times. Loose cables are to be secured or tied up, and steps or access routes to site cabins must be properly constructed and maintained. Additional Measures: All operatives to be briefed on the site policy for movement and storage of materials, as well as waste management procedures. Supervisors to ensure adequate oversight and confirm control measures remain effective for the duration of the work. A First Aid qualified person must be present on site, with an appropriate First Aid Kit available at all times. Contact details for the nearest health facility (Fairfield Hospital, Bury) to be displayed clearly on site.	4	2	8
<u>Contact with hazardous substances (during waste removal)</u> Respiratory disease, skin/eye irritation		✓	✓	3	4	12	Operatives carrying out waste removal to wear adequate PPE to address risk involved (gloves, dust mask, goggles, safety boots, hard hat, etc.) with the substance/item they are removing. Additional measures: Operative to be made aware of manual handling assessment findings and any related COSHH assessments.	3	2	6
<u>Fire</u> Death, damage to equipment or buildings.		✓	✓	5	3	15	Flammable materials: - make sure that all flammable waste materials are cleared away regularly to reduce fire risks. Skips - waste materials need storing safely before their removal from the site so make sure that you allow sufficient space for waste skips and bins etc. Plan where the skips can be positioned and how often they will need to be collected. Additional measures: Implement Toolbox Talks to refresh operatives on the importance of good housekeeping. Ensure that appropriate firefighting equipment is located on site and operatives are trained in its use	5	1	5

							in its use.			
<u>Storage of materials</u>		✓	✓	4	3	12	Storage areas - designate storage areas for plant, materials, waste, flammable substances. Pedestrian routes – do not allow storage to ‘spread’ in an uncontrolled manner on to footpaths and other walkways. Do not store materials where they obstruct access routes or where they could interfere with emergency escape.	3	1	3

Collision with plant, equipment or operatives							Flammable materials - will usually need to be stored away from other materials and protected from accidental ignition. Tidiness - keep all storage areas tidy, whether in the main compound or on the site itself; and deliveries - plan deliveries to keep the amount of materials on site to a minimum. <u>Additional measures:</u> Management to include this as part of the Construction Phase Plan (CPP) and update accordingly.			
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Hazard:	Persons at Risk			Initial Assessment			Control Measures	Residual Risk		
	P	E	S	S	P	S x P + R		S	P	S x P = R
Abrasive wheels										
Entanglement of clothing in moving parts Cuts, lacerations and bruising		✓	✓	3	3	9	Checks to be made to ensure the correct disc has been selected. No loose clothing or other material shall be worn or in the vicinity of the cutting operation. Operators shall only commence cutting operations when it is safe to do so and they shall ensure that they have a firm footing at all times. Ensure guards are properly positioned to minimise the risk of injury should the cutting disc/wheel fail. All operatives using abrasive wheels should be instructed to warn other persons in the area who may be affected by their work and ensure that they remain at a safe distance. All wheels/discs to be inspected prior to use/mounting. Checks to be made to ensure the correct disc has been selected. Equipment is not to be used unless guards are fitted." Additional measures: Refer to HSG17 Safety in the Use of Abrasive Wheels. First Aid qualified person available on site with an appropriate First Aid Kit for the scope of works. Contact details of local Health Authority readily available.	3	2	6
Electrocution Death, burns		✓		5	3	15	All electrically operated tools are to be PAT tested. All electrical power tools to be 110v or less. All operatives should be instructed in how to inspect and check the equipment prior to using it. All operatives to be trained in the use, selection and storage of the tools they use. Trailing cables shall be managed to reduce the risk of slips, trips and falls. All tools shall be earthed or double insulated. Temporary and impromptu repairs shall not be allowed. All tools and cables shall be inspected before use. Transformers shall be centre tapped to earth. When not in use, all tools shall be disconnected from its electrical supply. All damaged and defective equipment shall immediately be taken out of use, reported to the supervisor and marked as being defective. Additional measures: At least one person on site shall have received training in electric shock	5	2	10

							treatment. A planned preventative maintenance system shall be implemented whereby all equipment shall be regularly inspected, tested and maintained in accordance with manufacturers recommendations.			
Flying debris Eye injuries, cuts		✓	✓	4	3	12	Impact resistant goggles to be worn. Staff to ensure that the area adjacent to the cutting operations are either kept clear or that sufficient shielding is provided to guard other operatives/members of the public from flying sparks, dust and other debris. Additional measures: First Aid qualified person available on site with an appropriate First Aid Kit for the scope of works. Contact details of local Health Authority readily available.	4	2	8
Noise Hearing loss, tinnitus		✓	✓	4	4	16	Purchasing policy to replace tools with quietest option. Noisy work restricted to 'ear protection zone' to reduce the numbers at risk. Suitable hearing protectors provided for staff and staff trained how to use, check and maintain them according to advice given by supplier. Staff trained in risk of noise exposure. Check manufacturers guidance to ensure the correct SNR of hearing protection is issued. Additional measures: Workers to be shown HSE's Noise WebPages (www.hse.gov.uk/noise/index.htm) Seek opinion of OHP whether health checks required.	3	3	9
Abrasive wheel shattering Cuts, abrasions		✓	✓	3	4	12	Only trained persons are permitted to operate equipment. Blade to be used is inspected to ensure that it is of the correct type and in good condition. Correct type of disc to be used. Condition of disc to be monitored and replaced when necessary. Only trained operatives to fit disc. Operators shall not apply excessive pressure to the disc during the cutting operation and shall ensure that the correct speed is used for the disc. Additional measures: Acceleration speed of equipment to be ascertained and daily exposure restricted accordingly. Managers to ensure that sufficient supplies of the correct type of cutting disc/wheel are always available.	3	3	9

Hand arm vibration syndrome (HAVS) Vibration white finger		✓		3	4	12	Procurement Policy in place to ensure tools that produce the least possible vibration are purchased. Inspection and maintenance regime in place to ensure vibration levels aren't increased due to faults. Vibration levels assessed. Vibration exposure levels set and monitored. Task rotation in place where operators are likely to exceed exposure limits. Operators issued with sufficient clothing to protect them from cold conditions. Sufficient welfare facilities in place where operators can get warm and have access to warm drinks and food. Operators encouraged to quit smoking where applicable. Operators issued with appropriate personal protective equipment and its use enforced. E.g., anti-vibration gloves. Health Surveillance programme in place where applicable. Additional measures: Operatives to be briefed on dangers of HAVS and a programme of health surveillance to be instigated where exposure levels meet daily recommended dosages.	3	2	6
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<u>Hazard/Description</u>	People at Risk			Initial Assessment			Control Measures	Residual Risk		
<u>Electrical Equipment</u>	Pub	Emp	Sub	S	P	S x P = R		S	P	S x P = R
Exposure to Electrical Current, Electrical Arcing, overloading etc. / Electric Shock, Burns		✓		4	3	12	All electrical equipment will run on 110 volt (CTE), all electrical equipment is subjected to PAT testing – certificates available on equipment or from the office by request. The client's power supply will be used (at no cost to DHD & EL) and will be transformed down to 110 volt using transformers. All equipment to be fully serviced and inspected in line with legislation and manufacturer's instructions.	4	1	4

<u>Hazard/Description</u>	People at Risk			Initial Assessment			Control Measures	Residual Risk		
<u>Waste - General</u>	Pub	Emp	Sub	S	P	S x P = R		S	P	S x P = R
Generation of Waste Products / Incorrect disposal of waste	✓	✓	✓	2	3	6	Operatives to ensure that the waste is transferred to the skip at regular intervals. Works areas to be kept as clean as is reasonably practicable. The work activities will create waste, which will need to be disposed of to skip.	2	1	2

Setting up procedure:

The area where the crushing operation is to be carried out will be designated as a working zone / exclusion zone and will be clearly marked to prevent inadvertent access.

All operatives, including maintenance staff, must be fully trained, competent and authorised to operate this type of machinery.

A fully trained competent banksman will man the access point at all times throughout the operation. Only a fully trained competent operative holding CPCS certification will operate the crusher at all times **Pre-checks/Guarding.**

Failing to ensure that adequate guards are in place before the machine is used will present a significant

risk which could result in substantial harm. The fully trained competent operatives must ensure that prior to starting work and daily that:

- Manual controls are locked shut, including all remote controls.
- All stop switches, emergency stop switch, guards and panels are in place and that interlocking devices are functioning.
- Belt scrapers are correctly adjusted and maintained.
- Conveyor skirts are maintained and in good condition.
- Guard rails are fitted to access platforms.
- Where a potential to fall is likely then appropriate measures must be put in place to prevent the fall. Suitable and adequate harness to be worn.
- Traffic routes around the working area to be organised, controlled and have suitable speed restrictions in place.
- Operatives working within the vicinity of the machine are wearing appropriate personal protective equipment (PPE) i.e., dust masks (Sundstrom SR100 half face mask fitted with a P3 filter having an assigned protection factor of 20), gloves, hearing protection, safety goggles, hard hat, overalls and protective footwear.

Positioning Of Machine

The crusher operator will manoeuvre the crushing plant to the designated working zone using the remote-control panel.

When considering the positioning of the machine it must be ensured that:

- Sufficient space is allowed for the deployment of conveyor arms and spoil heaps.
- Sufficient space is allowed for feeding.
- The ground is level and capable of supporting the load of the machine including processing / processed materials and the loading machine.
- The operation will not affect nearby pedestrians and traffic routes and that there is adequate access for operatives to and from the work area.
- Emissions from the process such as dust and noise are controlled wherever possible by means such as dust suppression and ensuring machine inspection and maintenance regimes are in place to ensure noise levels are not increased due to faults with the machine.

Feeding:

- The mobile crusher is to be fed directly by the hydraulic excavator fitted with a bucket attachment.
- The excavator will sit on a firm stable level pad positioned higher than the crusher to ensure safe loading and is at such a height that it allows the operative to see the feeder hopper from the cab. Safe access / egress to the cab must also be provided.
- An exclusion zone will be set up covering the radius of the reach of the machine but will also take into account the falling of materials from either the spoil heap or from the bucket as it swings.
- A pre-check will also take place to ensure that the bucket is not too big for the hopper to avoid overloading.
- All dangerous parts of the crusher will be suitably guarded.

If wheeled loading shovels are to be used, the ramp should be wide enough to allow for adequate edge protection (min 1.5m high) on either side of the ramp as well as for the travel of the machine.

The maximum gradient of the ramp should be within the capacity of the loader (a maximum gradient of 1:10 is recommended).

All personnel and obstructions are to be excluded from the bucket operating arc.

Operatives positioned on the crusher platform when the crusher is running, presents the following potential significant hazards:

- Being struck by objects in the crusher or by those being loaded.
- Being struck by the bucket of the loading machine.
- Falling from the crusher platform.
- Being drawn into the crusher hopper when trying to clear materials.
- Exposure to hazardous dusts such as silica and caustic concrete dust.
- Exposure to whole body vibration.

- Exposure to significant levels of noise.

However, it is a necessity for the operatives to be positioned on the crusher platform in order to:

- Visually monitor the speed of the hopper to make sure it is set at the correct rate to produce the required size of crushed material.
- Visually monitor material being loaded to avoid entry of tramp metal or wood.

The potential hazards are reduced by implementing the following measures:

- Ensure only competent CPCS trained operatives working on the crusher.
- Secure platform with handrails fixed in position.
- Ensure fixed guards do not allow operatives to reach in; at no point will the operator working on the platform reach into the hopper
- PPE must be worn by the operative including head, eye, hand, respiratory, slip resistant foot protection and high visibility clothing.
- The plant operator operating the loading machine will be in view of the operative working on the crusher platform at all times to avoid collisions.
- Task rotation / frequent breaks for operatives working on the crusher platform.

If any trapped metal or wood is observed, the operator will give the signal to stop the operation to avoid the crusher from blocking up / stalling.

The crusher, feeder and main conveyor must be shut down and isolated before the tramp metal or wood can be removed off the conveyor

Blockages

The manual clearing of blockages within a crusher is a high-risk task and as such a specific risk assessment must be undertaken as detailed below. To reduce the severity of blockages the machine should be stopped as soon as a blockage is thought to exist. Any operative involved with an unblocking operation will need to be adequately trained and supervised.

Wherever possible, blockages should be cleared by mechanical means and then by hand using tools such as bars and hammers. Blockages must not be cleared without the machine, including the feeder, first being isolated and locked off.

The following hazards need to be considered when conducting the risk assessment:

Risk Assessment Blocked Crusher:

Hazards encountered may be:

- Access - height, slipping, small spaces etc.
- Stored energy from electrical, hydraulic, compressed air, mechanical sources or gravity. causing the sudden movement of the machinery or materials within.
- Manual handling - heavy, sharp, awkward or unstable loads.
- Drawing in / trapping / crushing caused by the machine start up (isolate and lock off!).
- Materials striking or falling onto the operative.
- Poor or difficult access.
- Accidental start-up of feeder, crusher or adjacent plant.
- Being struck by material from the feed, chute or projected material.
- The movement of any material present inside the crusher.
- Slipping and falling.
- Manual handling of rocks and equipment.
- Unexpected movement of crusher components.
- Damaged electrical cable.
- Noise.
- Unsafe placement of material removed from the crusher.

Prevention is better than cure and every effort will be made to prevent oversize material or tramp metal from entering into the crusher feed hopper by:

- Reducing oversize material utilising a hydraulic pulveriser / breaker.
- Experienced operatives to carry out the feeding of the material to be crushed.
- Follow the manufacturer's recommendations on the rate, presentation of feed and crusher. settings
- Good housekeeping to prevent scrap metal being inadvertently loaded into the crusher.
- Correct size of loading bucket to accommodate crusher.
- Bucket teeth to be regularly inspected to avoid them becoming detached during loading.
- The use of level indicators for feed control.
- Maintenance of drive systems.

Stalling or bridging of machine:

Stalling-Possible causes:

- Electrical or mechanical failure.
- Material jammed in the chamber causing an overload.
- Overfeeding material.
- Entry of tramp metal or wood.
- Accumulation of material in the crash box.
- Accumulation of fine material in the crusher discharge chute.

A stalled crusher should be treated as possibly being jammed with tramp metal which could be ejected with fatal consequences.

The procedure to follow in the event of a crusher stalling:

- The site supervisor must be notified of the stall.
- The area should be cleared of personnel to avoid the risk of being struck by ejected materials.
- The machine, including the feeder, should be isolated and locked off before any attempt is made to inspect or clear it. **Maintenance / Repair Isolation & Lock off Site Procedure** to be followed.
- The inspection of the machine must be carried out by a competent person working under a permit to work system.
- Notify the site supervisor of the stalled crusher if, after careful examination there appears to be no electrical or mechanical reasons why the crusher has stalled, it may indicate that the crusher is jammed by tramp metal or oversized material.

A 'stalled crusher permit to work' system should be implemented. This work should only be carried

out by fully trained and competent person/s.

- Wherever possible, any inspection of the crushing cavity of a jaw crusher or crushing chamber of an impact crusher should be carried out with great care.

Bridging-Possible causes:

- Oversize feed material.
- Excessive clay or other fines in the crushing cavity preventing small material passing through the crusher.
- A foreign body in the crusher feed or discharge chamber obstructing the feed material.

The preferred method of clearing a bridged crusher is by utilising the excavator fitted with a hydraulic breaker.

Other methods, such as the use of bars, hand hammers or hydraulic jacking systems may be employed. The crusher, feeder and main conveyor must be shut down and isolated before any activity starts and carried out under a permit to work system.

Careful consideration must be given to the risk of large pieces of feed material moving and causing trap or crush injuries. Wedges must not be used due to risk of them becoming a projectile.

Maintenance / Repair Isolation & Lock off Site Procedure

In the event of material blockage, any malfunction or operational difficulty, stop the engine, isolate, remove ignition key and tag out, and ensure that all parts are de-energised before carrying out any maintenance procedures. **All stored energy must be safely released** prior to working on equipment (moving parts or equipment is chocked or safely secured).

Only fully trained and competent operatives can work on / operate the machinery.

Implement tag and lockout procedures, follow instructions for commissioning and shut down of the machine as per the **Crusher operation manual** and training received.

Lockout and tag procedure

How to fit a single tag

1. Ensure ignition key is in the 'OFF' position. Remove the ignition key and keep it with you.
2. Turn battery isolation switch to the OFF position.
3. Attach your lock or tag across isolation switch holes to show you are working on the machine.

Note: The lock or tag must have a 7.9mm (5/16in) diameter shackle so the isolation switch cannot be turned on.

Note: Use a gang tag if more than one person is at work on the machine. To remove a single tag

1. Ensure ALL maintenance and work has been completed and no persons are on or near the machine.
2. Fit and secure all guards. Check all guards are operational.
3. Unlock and remove your single lock or tag from isolation switch.
4. Replace the ignition key.

REMEMBER that you are responsible for ensuring that the equipment is safe to run if your padlock is the last to be removed from the isolator.

CHECK, before removing your lock, that:

- Moving parts are free and clear to run.
- Guards have been properly fixed.
- Stop buttons are reset.
- All persons are clear of the danger area.

PERSONNEL HAZARD

Working on or in close proximity to the machine whilst it is on and or operating could cause serious injury or death.

Access must be restricted to essential staff. Limit access to the equipment and its surroundings by erecting barrier guards, minimum distance 1.5m (5ft) away to reduce the risk of other mechanical hazards, falling loads and ejected materials. Ensure an observer is present.

Attach hazard sign(s) to equipment in appropriate positions to alert all personnel of potential hazards. DO NOT stand on machine whilst it is in operation.

Switch off engine, isolate, remove ignition key and tag out, and ensure that all parts are de-energised before carrying out any maintenance procedures. NEVER isolate a drive if it is running use a stop button first.

Ensure at least the minimum Personal Protective Equipment (PPE) is worn during maintenance. NEVER work or stand under suspended loads.

The removal of large or heavy components without adequate lifting equipment is PROHIBITED; this could cause serious injury or death.

Falling from and/or onto this equipment could result in serious injury or death.

When reaching any points 2m (6ft) or more above ground level, ALWAYS use CE certified safety harness.

ONLY use Maintenance Platforms provided on the equipment, ensure hand rails are fixed in position. ALWAYS perform work from an approved, safe and secure platform. Ensure that all ladders are lowered and fixed in position.

On completion of works make sure all safety devices and guards are installed correctly before lock out is removed.

Key points for Crusher Operations

- Minimise blockages through pre-sorting.
 - Ensure fixed guards do not allow operatives to reach in.
 - Make use of viewing aids such as viewing panels, CCTV and mirrors to monitor the process.
 - Make sure daily visual checks are carried out by a competent person.
 - Ensure an efficient defect reporting system is in place.
 - Ensure all isolation switches are clearly labelled showing their capability and are able to be locked off when required.
 - When locking off locks must be suitable, and the keys controlled.
 - Ensure that the manufacturer's instructions are available and specific operating instructions are followed.
 - Monitor operatives and ensure appropriate PPE is worn and safe systems of work are adhered to.
- Ensure the working area is cleared of potential trip hazards regularly.

EMPLOYEE SIGN UP SHEET

The employees detailed below have signed to confirm that they:-

- Have received a briefing from the Site Manager / Site Supervisor on the hazards involved with their undertaking
- Have read and fully understood this Method Statement including Risk Assessments / COSHH Data
- Confirm acceptance of the method of work and understanding of the Risk Assessments and controls to be applied
- Understand that it is their duty to ensure the safety of themselves and others around them and will bring to the attention of the supervisor any unsafe work practices or conditions which come to their attention.
- Will notify their Site Manager / Site Supervisor should there be any abnormalities or areas of concern regarding the works

Name	Signature	Date
Site Manager or Site Supervisor Signature:		Date: