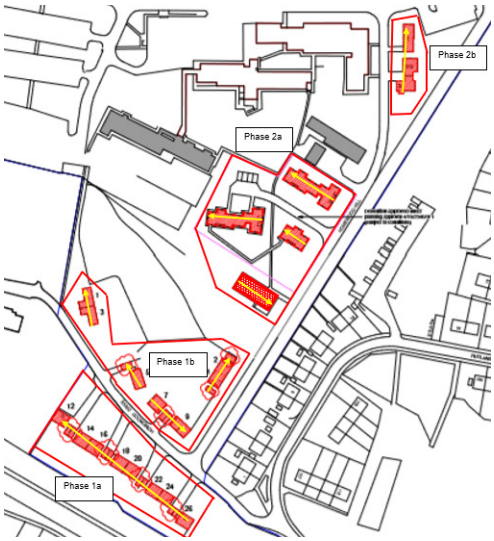
North Cumbria University Hospitals NHS
NHS Trust



Demolition & Site Clearance works to housing stock

at

West Cumberland Hospital, Homewood Road, Whitehaven, CA28 8JG

for

North Cumbria University Hospitals NHS Trust

A leading & professional UK demolition company
Est. 1976 © 2014 GBM UK
Warwick Road, Fairfield Industrial Estate, Louth, Lincs LN11 0YB

Revision Record

Issue No.:	Issue date:	Prepared by:	Reviewed by:	No. of pages	Copies to:
Revision 1	December 2021	Ben Slack	Andy Harris	88	Site / Office File, CCL Solutions
Revision 2					
Revision 3					
Revision 4					
Revision 5					

All changes to this document must be listed and recorded in the table below. Authority for amendment or alteration of this document is to be obtained from the Contract Manager. *Any amendments to this document from the previous issue will appear in blue text for the current issued version.*

Revision Ref.	Date	Changes

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Appendices

1.0 Description of the project

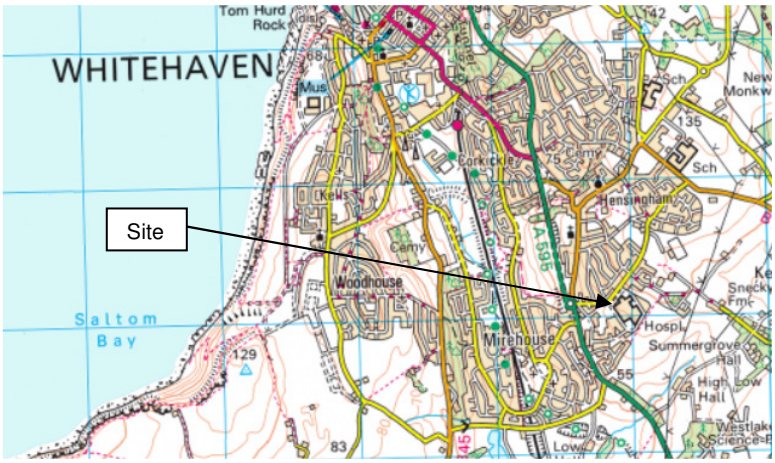
1.1 Project description & programme details

1.1.1 Project description

Name of project: West Cumberland Hospital, Whitehaven – Housing Stock

Contract Number: J1328

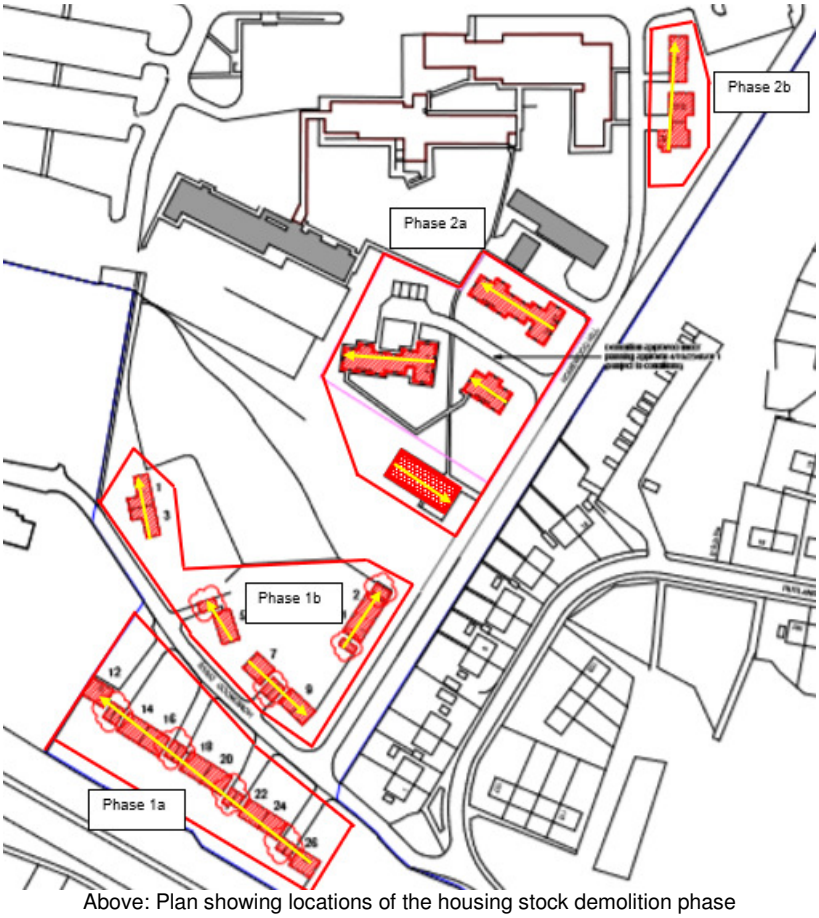
Project location: West Cumberland Hospital, Homewood Road, Whitehaven, CA28 8JG. (as shown below). The housing stock buildings for demolition are located on Homewood Hill and Homewood Drive within the hospital site. Access to the sites will be directly off the main A595 Egremont Road onto Rutland Avenue leading to Homewood Drive and Homewood Hill. This will ensure construction traffic does not require to use the main hospital access roads (one-way system). Each site will have a specific access which will be clearly signed and under traffic marshal control.



Project description: The contract is for delivery of the demolition of housing stock on the West Cumberland Hospital site. This is the 3rd phase of demolition works on the site with Phase 1b buildings being Blocks A, C, D and W1 demolished during 2020 with a further phase of demolition works being completed in 2015. The works will be separated into 4 separate sites due to the spread-out locations of the buildings. Work items for the housing stock phase comprise of the following;

- Asbestos removals to all buildings
- Soft strip to all areas for demolition
- Demolition of the existing structures
- Grubbing up of all foundations and substructures
- Removal of all the arisings

The structures to be demolished are generally in a good condition and will be demolished as described in the later Method Statements.



Above: Plan showing locations of the housing stock demolition phase

1.1.2 Programme details

Mobilisation period:	4 weeks
Start on site:	January 2022 TBC
Anticipated duration:	10 weeks

1.2 Details of Client, Principal Designer, Designer, Principal Contractor & other Consultants

1.2.1 Contract directory

Company/ Address	Contact Name	Tel/ Fax/ Mobile/ E-Mail
Client		
North Cumbria Integrated Care NHS Foundation Trust, West Cumberland Hospital, Hensingham, Whitehaven, Cumbria, CA28 8JG	Steve Dougan Head of Estates	Tel: Mob: E-Mail:
Employers Agent		
CCL Solutions, Unit 18, The South Range, Hackthorpe Business Centre, Hackthorpe, Penrith, Cumbria, CA10 2HX	Linsey Brown Senior Project Manager Tiffanie Blair Assistant Project Manager	Tel: Mob: E-Mail: Tel: Mob: E-Mail:
CDM Advisor and Principal Designer		
Day Cummins Limited, Lakeland Business Park, Cockermouth, Cumbria, CA13 0QT	Peter Bromiley MRICS IMaPS	Tel: Mob: E-Mail:
Designer		
North Cumbria University Hospitals NHS Trust, West Cumberland Hospital, Hensingham, Whitehaven, Cumbria, CA28 8JG	Steve Dougan Head of Estates	Tel: Mob: E-Mail:
Architectural		
Gilling Dod, The Cruck Barn, Duxbury Park, Chorley, Lancashire, PR7 4AT		Tel: E-Mail:

HSE Office			
Carlisle Office 2 Victoria Place Carlisle CA1 1ER	n/a	Tel:	
Principal Contractor			
GBM Demolition Warwick Road Fairfield Ind Estate Louth Lincolnshire LN11 0YB	Head Office	Tel: Fax:	
	Simon Grantham Managing Director	Mobile: E-Mail:	
	Adrian Corrigan Contract Director	Mobile: E-Mail:	
	Andy Harris Contracts Manager	Mobile: E-Mail:	
	David Hamilton Site Manager	Tel: E-Mail:	
	Julie Haywood Contract Admin	Tel. Email:	
	Ben Slack SHE Advisor	Mobile: E-Mail:	
GBM Asbestos Contractor			
E4 Environmental Ltd, 13A Provincial Park, Nether Lane, Sheffield S35 9ZX	Alan Grocock	Tel: Mob: E-Mail:	

1.3 Location of existing plans, information & records

1.3.1 Pre-construction information:

Relevant information has been included by the client within the tender documentation, including Pre-construction Information Pack by Day Cummins dated January 2019 and referenced documentation which have been used to develop this plan.

1.3.2 Other further information available:

- Refurbishment and Demolition Asbestos Surveys undertaken West Coast Surveys
- Ecological surveys undertaken by SAP
- Aecom Designers Hazard Register
- Associated contract drawings & specification
- Information from meetings, site visits & site assessments

1.3.3 Known utilities on site

Services to the buildings are being isolated and disconnected by the hospital estates department with documented confirmation being provided.

Service type	Present	Owner	Contact details	Drawings held on file
Water	Yes	United Utilities		To be obtained
Gas	Yes	Northern Gas Networks		To be obtained
BT (OH or UG)	Yes (UG&OH)	Openreach		To be obtained
Electric (OH or UG)	Yes (UG)	Electricity North West		To be obtained
Cable	TBC	TBC		To be obtained
Street lighting	Yes	Cumbria County Council		To be obtained
Oil/ other Drainage	Existing drainage	United Utilities		To be obtained

2.0 Management of the works

2.1 Management structure & responsibilities

2.1.1 Management team

Role	Name	Contact no.
Managing Director	Simon Grantham	
Director	Adrian Corrigan	
Contracts Manager	Andy Harris	
Site manager	Tbc	
Demolition Supervisor(s)	Tbc	
Contract administrator	Julie Haywood	
SHE Advisor	Ben Slack	

2.1.3 Responsibilities of management team

Following table details site management team responsibilities through the contract & are specific to this site. These responsibilities complement each individual's general responsibilities given in the Safety, Health and Environmental Policy.

Task/ responsibility	Nominated person(s)	Deputy(s)
Oversee & run contract	Director	Contracts Manager
Management of Site & Records	Contracts Manager	Site manager / Supervisor
Management of Subcontractors	Contracts Manager	Site manager / Supervisor
Liaison with Client	Director	Contracts Manager
Emergency Services liaison	Contracts Manager	Site manager / Supervisor
Permit to work control	Contracts Manager	Site manager / Supervisor
Traffic Management co-ordinator	Contracts Manager	Site manager / Supervisor
Plant co-ordinator	Contracts Manager	Site manager / Supervisor
COSHH co-ordinator	Contracts Manager	Site manager / Supervisor
Utilities co-ordinator	Contracts Manager	Site manager / Supervisor
Noise co-ordinator	Contracts Manager	Site manager / Supervisor
Training Co-ordinator	Contracts Manager	Site manager / Supervisor
Work/lifting equipment inspection	Contracts Manager	Site manager / Supervisor
Safety Compliance on Site	Contracts Manager	Site manager / Supervisor
Workplace Safety Inspections	Contracts Manager	Site manager / Supervisor
Inductions / toolbox talks	Contracts Manager	Site manager / Supervisor
RAMS Evaluation	Contracts Manager	Site manager / Supervisor
Temporary works	Contracts Manager	Site manager / Supervisor
First Aid Co-ordinator	Contracts Manager	Site manager / Supervisor
Site Security co-ordinator	Contracts Manager	Site manager / Supervisor
Fire safety co-ordinator	Contracts Manager	Site manager / Supervisor

2.2 Health & safety goals for the project & arrangements for monitoring & review

2.2.1 Health & safety goals for the project

Safety management is founded on a zero-incident approach to health & safety that requires an absolute adherence to standards at all times and an intolerance of unsafe acts or conditions.

GBM UK, therefore, expects its businesses to be fully accountable for communicating, training and implementing health & safety standards.

Project health & safety Goals:

- To complete the Project Free of Incidents.
- To conduct the undertaking of the Works without Complaint or Claim.
- To cause the minimum disruption to hospital patients, staff and visitors, neighbouring residents and the traveling Public.
- To comply with statutory requirements under the Health & Safety at Work Act 1974, The Construction (Design & Management) Regulations 2015 and other relevant legislation.
- To comply with the requirements specified by the Client in the Pre-Construction Information Pack and by the Client.
- No lone working on site
- No unforeseen collapse of any element of plant or building structure through insufficient or inadequate risk analysis and method statement planning for the duration of the project
- Working at height minimised

2.2.2 Arrangements for Monitoring & Review of H&S performance

2.2.2.1 Monitoring H&S performance

GBM UK Ltd have a system in place for site inspections and safety audits. On this scheme the Site Supervisor is responsible for ensuring that weekly Health and Safety inspections are completed. These ensure compliance with health and safety legislation through the implementation of an effective reporting and review process.

GBM UK Ltd operate a system of unsafe act / near miss reporting ensuring individuals Health & Safety compliance. Copies of all nears misses will be kept in the site files.

GBM UK Ltd will hold formal progress meetings monthly at which health, safety and the environment will be the first item on the agenda. This enables any issues to be aired and so resolved.

2.2.2.2 Review of H&S performance

The results of any audits, site inspections and near miss analysis are discussed at the progress meetings. This enables the goals set for the contract to be reviewed. The end of contract meeting is the final review of the contract performance and can be used to decide if the goals set were met & were adequate.

2.3 Arrangements for management of the works

2.3.1 Arrangements for regular liaison between parties on site.

Formal liaisons between the parties on site will be carried out in a series of site meetings at weekly intervals, these will be minuted where required and circulated accordingly. Daily meetings between the site management team and hospital estates representative are to occur to ensure programme activities are planned and both parties aware of operations occurring and any issues. Daily briefings will be held to cascade relevant information to the workforce prior to each shift commencement.

The Site management are responsible for ensuring that there are suitable liaison arrangements between all parties involved in the works regarding H&S issues.

During the Covid 19 pandemic any site meeting / briefing will be held outside whilst maintaining social distancing measures of 2.0m. Where possible meetings will be held via conference calling to prevent non-essential visitors to site.

2.3.2 Arrangements for consultation with the workforce

Throughout the works ongoing consultation with the workforce will occur in the following ways to encourage and support a safer working culture;

Induction	Before starting work on the project all site operatives, subcontractors, site management teams & Clients representatives will be inducted and informed of the Site rules, hazards and risks that will or may arise whilst the works in progress
Daily briefings	At the beginning of every shift GBM UK Ltd issue a daily briefing outlining all works to carried out, control measures in place & the outstanding risks & hazards that may remain. The work force is actively encouraged to raise any health & safety or operational issues that may have occurred previously or that experience suggests that better, safer procedures exist.
Toolbox talks	Toolbox meetings will be given to groups of up to 20 people. Meetings will be conducted by the immediate supervisor of the workmen concerned. A library of toolbox talks is maintained to assist Site Management carrying out these talks but also alternative topics may be covered. This may be to ensure site-specific issues can be tackled and is part of the companies aim to provide Health and Safety awareness training/ information during the completion of site operations. All personnel who have been given the specific toolbox talk will sign the acceptance sheet that accompanies each toolbox talk. Site personnel are encouraged to give their feedback on the talk with this feedback recorded on the acceptance sheet provided.

2.3.3 Arrangements for the exchange of design information between the client, principal designer, principal contractor & contractors on site

During the works, Information will become available as a result of unforeseen situations arising, unknown services & obstructions or possibly as a result of unpredicted occurrences. This information may be in the form of Digital photos, survey data and measurements, descriptions of ‘as found conditions’, test result data, analysis of trend data.

Such information will be freely exchanged amongst the Client, Principal Designer and Principal Contractor Teams, where appropriate, specialist sub-contractors and experts can be included in this information loop. Recommendations, problem solving processes are actively promoted and applied to yield time and cost savings / damage limitation to cost and time overrun exposures.

Temporary works designs will be issued to the client and principal designer for review and approval ahead of construction e.g. Hoardings, scaffolds. Thereafter temporary works will be constructed, inspected and dismantled as per the approved design.

2.3.4 Arrangements for handling design changes during the project

In the event of designs changing the information flow should be receipted, confirmed, and any financial or programme time implications communicated back to the Client as soon as possible.

Following acceptance of a design change, GBM will review the effect of the change on the works and plan for change accordingly. Any changes to approved designs will require resubmission and approval prior to commencing / continuing works. The effect of the change on the programme and resourcing levels will be ascertained and resolved to the satisfaction of all parties. Risk assessments and methods of work for the change in design will be produced. If new drawings are issued existing drawings are to be marked Superseded and clearly marked *Not For Construction*.

2.3.5 Arrangements for the selection & control of subcontractors

GBM UK utilise an approved Supply Chain database to ensure all of its subcontractors are employed based on their competencies, not just on price. This involves assessment of health, safety and environmental policy and past performance.

If at any point the performance of the Supply Chain gives any cause for concern, GBM UK will intervene with sanctions ranging from a recorded warning and agreed improvement plan, to suspension from the approved list for repeated or serious misdemeanours. Any serious transgression will be fully investigated and if it is determined that the Supply Chain member does not demonstrate an appropriate attitude and behaviour in rectifying their approach then that contractor will be removed from the database & our supply chain.

Prior to working on a GBM UK site all sub-contractors forward the relevant health, safety and environmental documentation to the Site Manager. This includes site-specific risk assessments and waste transfer certification.

All Supply Chain members will be subject to a site-specific induction before any work commences. During this induction all relevant personnel details (training certificates etc.) relating to the individuals on site will be viewed and recorded.

2.3.6 Arrangements for the exchange of health & safety information between contractors

Where sections of the project are to be sub-let, it is recognised as being particularly important to ensure that the health and safety responsibilities of the parties are clearly defined and that a proper assessment of hazards is undertaken and the results conveyed to all affected parties.

All Health and Safety Information will be circulated between the sub-contractors and Company before the sub-contacts are awarded. This will include copy of each Companies Standards and Systems, relevant contractual information from the contract documents, Pre-Construction Information etc.

Prior to work commencing the Contracts Manager will arrange a meeting with all the Sub-Contractors to discuss the planning and control of the Sub-Contractor's work from a health

and safety viewpoint, and to advise the Sub-Contractors of the risks to them from the work being undertaken by the Company and others on the site.

All sub-contractors will provide a safe system of work (method statement), risk assessments and CoSHH information out lining their proposed works prior to commencing that activity. Evidence of Operator and driver competence, training and certification will be included in this documentation.

No works will commence by any sub-contractor until their Methods and systems for that task have been approved by the nominated competent person/s.

Health and Safety Information is issued and transmitted by The GBM UK Site Supervisor to and from Sub-Contractors by the following means.

- Daily Site Briefings
- Task method statements, Risk Assessments and Control Measures as compiled and approved.
- Weekly Programme Meetings
- Site Communication
- Health and Safety Meetings

2.3.7 Arrangements for site security

The site will be established as to prevent any persons coming into contact with unsafe areas. All persons entering site will comply with the site security arrangements and a register of personnel will be maintained. Where a client requires specific arrangements, all personnel will adhere to them. Vehicles and personnel may be stopped and searched upon entering or leaving site. It is not permitted to remove any substance or article from site without written permission by an authorised person. Failure to comply with these arrangements above may result in dismissal.

Each site will be secured by GBM to the perimeter, this will involve erecting heras security fencing to the site perimeter. The heras fencing will be double clipped with clear signage displayed detailing the site contact and telephone number of the persons responsible for the site security.

Within the site further areas of heras fencing will be erected by GBM internally to the site during demolition to form the various working areas and demolition exclusion zones.

Plant will be immobilised and stored within designated compound areas out of hours, and all materials will be securely stacked within the compound area until use.

Visitors to the site will be requested to report to the Site Supervisor, sign in and receive an induction prior to entering any of the working areas.

Any theft or damage that occurs on site will be reported to the police for further investigation.

2.3.8 Arrangements for site inductions

The specific site induction will be given to all persons who will be involved with working or visiting on site by GBM. This will include any GBM Sub Contractors and Members of the Clients' Management team.

For personnel whose first language is not English, the site manager/ inductor may refuse induction should they assess the persons understanding of the induction, instructions and information is not sufficient, potentially increasing risk to themselves or other parties.

The induction informs all persons of the site rules, emergency procedures and reporting

procedures. The induction outlines each person's responsibility to health and safety on site. The induction enables permit to work systems to be outlined and discussed and appropriate training records to be checked. Records of the site-specific induction will be held specific files created in accordance with the GBM UK safety file system.

Under certain circumstances it may be necessary to re-induct persons onto the site i.e. if they repeatedly break site rules. This will mean a return to the site offices where a full induction can take place.

Should circumstances or significant changes take place in the works, this induction may be given again or updated, noting the changed circumstances

2.3.9 Arrangements for on-site training

At induction details of the qualifications of all personal working on the Contract will be obtained with details recorded & maintained within the Contract documentation.

All operatives and plant operatives employed at the site will be fully trained and will hold a current CSCS, CCDO or CPCS card appropriate for their trade or machine.

On-site training will be ongoing and consisting of:

- Daily task briefings of the activities planned and will cover the hazards control measures, remaining risks, the work processes, entry and exit routes and any hazardous materials in use.
- Tool box talks
- Any specific briefing or training that may become apparent as changing circumstances or following incident investigation recommendations

All recipients will record their attendance, company they represent and sign a register. The topics and contents of the briefings will be noted in site files along with the register

2.3.10 Arrangements for welfare facilities & 1st aid

2.3.10.1 Welfare facilities

Welfare requirements are to be installed and maintained by GBM; these include the provision of:

- Facilities for all personnel on site where meals can be taken in clean and comfortable surroundings with the provision of a supply of hot and cold water for meals and drinking purposes.
- Clean, lit and ventilated sanitary conveniences appropriate to the number of people on site with a separate facility for ladies where applicable. (initial facility whilst services connected will be portable unit)
- Washing facilities with warm water, soap and paper towels.
- An adequate supply of clean drinking water.
- Accommodation for drying and storing clothing.

Arrangements will be made to ensure accommodation facilities are maintained in a clean condition and good state of repair.

For the works an Oasis self-contained welfare unit will be utilised to provide the required welfare facilities and site office.

During Covid 19 outbreak social distancing to be maintained in canteen, toilets and smoking areas by staggering break times. Cleaning regimes to be increased.

2.3.10.2 First Aid Arrangements

All persons receiving the site induction will be made aware of who the first aiders are and how to contact them and the location of the first aid points and all other first aid kits. The location of First Aid facilities and the identity of First Aiders will also be displayed. The contact details and directions to the nearest hospital will be communicated to employees at site induction.

The first aid box will be stocked in accordance with the First Aid at Work Code of Practice, appropriate to the number of personnel on site. A nominated first aider(s) will be responsible for ensuring first aid facilities are available and kept stocked.

Should the need occur, training of further personnel would be undertaken to ensure adequate arrangements are maintained on site at all times.

Eyewash treatment facilities will also be maintained with the first aid kit

Contractors wishing to formally arrange to work on site outside of the normal site hours will not be permitted to do so unless the same level of First Aid provision is provided for their personnel and permission is granted by the Contract manager.

2.3.11 Arrangements for the reporting & investigation of accidents & incidents including near misses

All incidents & near misses will be recorded & investigated in accordance with the GBM UK Standards & where applicable the requirements of the Reporting of Injuries, Diseases and Dangerous Occurrence Regulations (RIDDOR) will be adhered to. Investigation findings & recommendations will be reviewed & implemented as necessary. Incidents on site will be communicated to the client.

Environmental incidents will be recorded and investigated in accordance with the Incident Management System.

2.3.12 Arrangements for the production & approval of risk assessments & written systems of work

No Works will be undertaken without a full understanding of the Hazards, the risks associated with these hazards, and a clearly understood process or method of carrying out the task or work in the safest manner.

The production risk assessments shall be undertaken in whatever depth of detail, as necessary by a competent person so as to identify and remove unsafe process and conditions from the work place as far as reasonably practically, throughout this process the workforce will be consulted. Following incident investigations or changes to the work process relevant safe systems will be reviewed, updated & changed as necessary.

All risk assessments and method statements are to be briefed to all personnel involved and signed accordingly as a record of the briefing prior to works commencing.

The same standards and principles are expected and demanded from any Contractor or Sub Contractor that may become involved with the work effort.

Failure to work in accordance with approved safe working practices can result in termination of contract and immediate dismissal from site.

Permits to Work will be used for higher risk activities & will be formally issued by a nominated responsible person.

2.4 Arrangements for Site rules (including drug & alcohol policy)

The Site Induction will be undertaken by the GBM Site supervisor or nominated person with records maintained of all personnel who have attended. The induction will include details of the following as a minimum:

- The contract management team
- The hazards likely to be found in the areas in which they will work
- Risk assessment and methods of work
- Duties and responsibilities while working on this Contract
- The need for co-operation and co-ordination during their time on site
- Advice on the emergency procedures
- Details of the company drug & alcohol policy

Sub-contractors, or anyone else under the control of the Company, will receive site-specific induction training detailing site rules and procedures. Failure to work in accordance with approved safe working practices can result in termination of contract and immediate dismissal from site.

Visitors to site, including management and client representatives, will undergo a site-specific induction and will be escorted at all times and will not be allowed to encroach on site activities without further information, instruction and training.

The site rules for GBM for this project can be found in Appendix 5. These will be reviewed as necessary with additional issues highlighted incorporated by either the Site Supervisor or nominated person. Any changes will be communicated to the existing workforce.

2.5 Arrangements for fire & emergency procedures

2.5.1 General

Emergency procedures will be clearly displayed & disseminated to all personal on site through the induction process detailing local & national contact details in the case of an emergency. In general, if a situation develops that is deemed to be an emergency, then the Trust Central Security must be contacted and the relevant emergency services must be called. If an injury has occurred, then the ambulance is to be included in this call.

All incidents will be reported to the Client and GBM SHE advisor & in the event of a serious incidents they will attend site for an investigation. Generally, In the case of a serious incident, site activities must cease other than making “safe” when is suitable & safe to do so. Vital evidence must not be disturbed especially if the HSE is involved.

2.5.2 Fire prevention arrangements

A fire risk assessment will be carried out to identify required control measures to be implemented (see appendix 2).

Suitable fire extinguishers shall be provided in any accommodation units, at the works site & where hot works are to be undertaken. Extinguishers will be located around the buildings at access points as a precaution until demolition works commence. Supervisors will inspect all facilities & operations as part of their duties. Used extinguishers shall be exchanged immediately after use, recharged & placed in spares stock.

Hot works will only take place when a Hot Work permit has been issued by the nominated responsible person following risk assessment and the production of task specific method statement.

At induction site personal will be informed of the details of the assembly points & site evacuation drill.

Flammable substances will be kept in a secure storage in accordance with the findings recorded in the specific COSHH Assessment and in accordance with associated regulations.

Skips which will be used to store waste materials will be kept in a secure area of the site, with the materials that are to be kept in them clearly defined.

Good housekeeping will be maintained at all times. No fires of any kind are to be started on the site area by any personnel.

Smoking is prohibited on the hospital grounds.

Any arrangements for interfacing with the existing premises emergency procedures will be assessed & co-ordinated as necessary.

2.5.3 Fire / Emergency Procedures

In the event of a fire or emergency evacuation on site all personnel must report to the designated assembly point & Central Security & emergency services contacted.

The site manager will liaise with the West Cumberland Hospital Fire Safety Advisor in relation to site fire procedures implemented to ensure site and hospital procedures are co-ordinated where necessary. (Ian Thorneycroft – Fire Safety Advisor 07557 542056).

In the event of any site emergency the West Cumberland Hospital Security Office should be informed on 01946 523960 as soon as is possible following any necessary emergency services calls (999).

2.5.4 Spillage prevention arrangements

Spill kits will be available at all work locations where plant present and at designated refuelling points for use by persons trained in their use.

2.5.5 Flood risk

Not applicable

3.0 Arrangements for controlling significant site risks

3.1 Arrangements for controlling safety risks including;

3.1.1 Delivery & removal of materials, equipment & waste from site

Deliveries of materials & equipment will be scheduled to meet the progress of the works program & ensure safe areas compatible with the safe loading and unloading are available. Access to the sites is to be directly off the A595 Egremont Road onto Rutland Avenue onto Homewood Drive and Homewood Hill. This access will ensure vehicles accessing the sites do not have to use the main hospital roads (one-way system). The access point gates for each site will be set back from the road to enable delivery vehicles to pull off the road directly into the site to be met by a traffic marshal to unlock the gates and direct the vehicle in to site.

Delivery restriction times have not been stipulated in the contract documentation however will be assessed by the site manager prior to works commencing and implemented as deemed necessary and in liaison with the hospital estates department.

Throughout the works deliveries will be managed to ensure no obstruction to the excising hospital access routes is caused and emergency vehicle points are kept clear and accessible at all times.

The site may refuse delivery / collection with driver's whose vehicles, PPE or understanding of the induction/instructions is not acceptable.

The site supervisor is responsible for the management of waste on site ensuring that contractors employed also adhere to the site requirements & provide any relevant documentation necessary.

Records of the type and amount of waste generated will be maintained.

For all waste being removed from site the following will be carried out:

- Waste transfer notes and hazardous waste consignment notes will be completed in full and copies held on site.
- Copies of the License documents for the waste carrier, broker and waste management/environmental permitting will be kept.
- Where necessary, a Hazardous Waste Premises Code will be registered with the Environment Agency

The Site Supervisor will be responsible for ensuring that a Waste Management log will be kept, regularly updated and the contents communicated to staff and operatives

3.1.2 Existing statutory services

All services are being isolated by the Client with documented confirmation issued. Daily liaison between the site manager and estates representative will ensure co-ordination of all isolations is being managed ahead of works commencing in designated areas. Any live services that may be identified will be clearly marked on site and protection measures will be put in place.

Prior to works occurring existing service information will be obtained from the client & apparatus owners. Surveys of the existing services will then be undertaken with service locations identified by CAT & hand dug trial holes. Services locations will then be surfaced marked. Services that are Identified underground will be recorded in detail and the information included in AS Built documentation.

3.1.3 Accommodating adjacent land use

The sites are located within the grounds of The West Cumberland Hospital which is located to the south east of the coastal town of Whitehaven. The sites are spread across hospital estate gorund to the south west of the main hospital buildings. At the western and southern ends the sites residential properties are adjacent with access through to these residential properties past the sites. At the northern and eastern end, the sites are close to live hospital buildings where both staff, patients and visitors may be present.

A key objective of the project is ensuring that the works have minimal impact on the existing hospital and neighbouring residents. Communication between the site manager and estates department will be paramount in managing issues such as noise and vibration which could affect the provision of patient services within the hospital and which must be minimised. Through daily liaison between the site manager and estates department this will be managed throughout the contract programme. To ensure neighbouring residents are aware of the works occurring a letter drop will be undertaken to ensure they are provided with outline details of the works and a site contact in the event of any concern.

As the hospital will be in operation adjacent to the site there will be live areas in close proximity at all times. Access to any live areas is strictly prohibited by site personnel unless planned and agreed with the hospital estates department giving at least 24 hours' notice in all cases.

During the demolition due to the limited exclusion zone to the western elevation of no. 12 Homewood Drive a sheeted scaffold will be erected prior to the demolition of the property.

Throughout the works access to adjacent stakeholders will be maintained and all existing highways and footpaths adjacent to the site remaining unobstructed and maintained in a clean condition.

Due to the proximity of stakeholders adjacent the site strict working hours will be adhered to as agreed with the client. No noisy operations will commence prior to 08:00hrs or after 18:00hrs.

Site contact details will be displayed at the site entrance to enable any adjacent residents / stakeholders to direct any enquires or complaints.

3.1.4 Stability of structures

The structures will be inspected and appropriate demolition techniques employed relevant to the structure design. Demolition will be in accordance with the method statements as amended after those inspections. Inspections of the structures will consider avoidance of unplanned or premature collapse and the maintenance of residual structural stability, any issues relating to the structures previous use and any other relevant information gained through inspection. Appropriate exclusion zones relevant to the method of demolition will be implemented during the works.

During demolition works structures will be left in structurally sound sections at the end of shift where complete demolition cannot be completed in that shift. Retaining walls will be buttressed if necessary.

3.1.5 Preventing falls

Some work at height will be employed during the works, these will be carried out ensuring:

- All methods of access and egress are explained and assessed within Method Statements & Risk Assessments,
- Daily inspection check sheets are filled out before access equipment and plant is used,
- All inspection certificates are in place for equipment and plant and that they are checked before first use.
- All operatives of access equipment & plant are trained and competent.

Any scaffold structures will be erected by competent scaffolders to the approved design and thereafter inspected as required. Any scaffolds adjacent to live areas will have monoflex sheeting secured to it and additional fencing at ground level will be erected set back from the scaffold to ensure an exclusion zone is implemented.

Provisions will be made to ensure any persons required to work at height including during the offloading of materials has suitable fall prevention measures in place.

Steps will be used only for low level works following risk assessment & site supervisor approval where other access equipment cannot be used such as podiums or tower scaffolds.

Mobile elevated work platforms will be tested and only used by trained personnel wearing harnesses.

Any open excavations & changes in ground levels will be protected with edge protection.

3.1.6 Working with or near fragile materials

No access or working will be permitted on fragile roofs etc.

3.1.7 Control of lifting operations

Lifting equipment & lifting accessorises will be checked to ensure current thorough examination records are current prior to be using on site. All lifts will be carried out after a suitable assessment has been carried out by a competent person considering ground conditions, loading and proximity hazards. No loads during lifting operations will be lifted above any existing occupied building or public area.

3.1.8 The maintenance of plant & equipment

All plant & equipment used on the project will be delivered to site with relevant test certificates present. All plant & equipment used will be serviceable, fit for purpose & operated by trained, competent operators. All plant will be inspected on a daily basis with the result recorded. Where faults have been highlighted the plant will be removed from operation until repaired accordingly. Demolition excavators will be fitted with protective cages to provide falling object protection structures (FOPS).

3.1.9 Work on excavations

Any breaking of the ground will only be carried out with a permit to dig. Open excavations will be protected at all times both to ensure security of the work area & to prevent falls into the excavation by persons or equipment working adjacent. Persons will only enter excavations once they have been inspected by a competent person for stability, air quality and it is confirmed that they are safe.

3.1.10 Works involving wells, underground earthworks & tunnels

Not applicable

3.1.11 Works in or over water

Not applicable

3.1.12 Works involving diving operations

Not applicable

3.1.13 Works in a caisson or pressured atmospheres

Not applicable

3.1.14 Works using explosives

Not applicable - It is not intended to use explosives for any of the proposed demolition works.

3.1.15 Traffic routes & pedestrian controls

A site traffic plan will be in place for the site, the traffic plan is a pictogram of where vehicles & plant are permitted to access & egress site, the preferred travel route through site, normal & emergency parking arrangements, it will also highlight where any potential areas of conflict between activities could arise so that special arrangements or control measures needed to minimise risk can be implemented.

Working areas will be managed to ensure that pedestrian routes are segregated from site traffic routes where possible.

Where necessary, traffic movements will be supervised by designated traffic marshals, all vehicle / plant movement will be strictly controlled at all times and a 5-mph maximum speed limit imposed. It is anticipated that there will be low levels of traffic access.

All persons working or visiting site will wear high visibility clothing.

3.1.16 Storage of materials & equipment

Stock piles of materials in the site will be monitored that they remain stored safely, in a stable condition. Stockpiles of materials awaiting processing will be stored in agreed locations with the trust estates department and suppressed to control dust.

Fuels and Lubricants will be delivered in double skinned bunded tanks, fit for purpose.

No LPG is planned for these works however if necessary, prior to any LPG being brought to site, specific RAMS must be produced and agreed with the Trust Fire Advisors. Any LPG brought on to site following agreement with the Trust Fire Advisors would be stored in the existing open-air cages to the northern side of the site to ensure they are sited at least 6m from any building and be secured. The floors of the storage area will be well compacted and kept clear of any other flammable materials and waste. Adequate firefighting equipment would be located at the storage area. Acetylene is not permitted on GBM sites and under no circumstances are gas cylinders permitted within any building. If required cylinders would be sited externally and hoses ran into the building for the works and then removed when not in use.

Asbestos containing materials will be stored only in designated skips awaiting removal from site.

Chemicals in small quantities will be held in secure storage, where quantities exceed 50 litres, storage will be in a fire-resistant structure kept closed when not in use. The use of "Highly Flammable" liquids on site is only permitted following the production of specific risk assessment and method statement which must be approved by the Trust Fire Advisors prior to use. The issue of flammable substances will be kept to a minimum, sufficient only for the work in hand; unused quantities will be returned to stores daily.

Under no circumstances will substances be left on site out of hours.

Work at height whilst offloading will be continually monitored to ensure control measures are in place as required.

3.1.17 Other significant risks

Not applicable

3.2 Arrangements for controlling health risks

3.2.1 Asbestos

Refurbishment and Demolition Asbestos Surveys undertaken by West Coast Surveys to the buildings for demolition and have identified both licensed and non-licensed asbestos containing materials being present.

All asbestos containing materials will be removed by GBM licensed asbestos contractor under controlled conditions as specified in the relevant method statements by suitably trained personnel as defined in L143 “Working with Asbestos Containing Materials” Control of Asbestos Regulations Regulation 10, all in accordance with Control of asbestos regulations 2012.

All site personnel involved in the demolition process, will have a minimum of Asbestos Awareness Training as defined in L143 “Working with Asbestos Containing Materials” Control of Asbestos Regulations Regulation 10. This will be checked at induction by the site supervision.

Any asbestos removed from the site will be as controlled waste. Waste asbestos will be suitably wrapped or packaged and placed in lockable skips. Disposal will be to licensed disposal facility by license carrier under the necessary consignment documentation.

If any asbestos is discovered during the works, the operation will cease & the client and principal designer will be informed immediately. Through induction operatives will be informed that if any material discovered is suspected to asbestos then works must cease immediately and supervision informed.

3.2.2 Dealing with contaminated land

If any ground contamination is discovered during the works, the operation will cease & the client will be informed immediately.

Through induction operatives are to be instructed to wear suitable gloves and to adopt good personal hygiene when taking rest and food breaks.

3.2.3 Manual handling

The majority of the works operations are machinery-based activities however some works activities may involve the requirements to manually handle materials and equipment. All operatives receive regular training and refresher training in manual handling safe practice. Where possible identified manual handling operations will be reduced by the use of mechanised means *e.g. using barrows and trolleys during strip out works.*

3.2.4 Hazardous materials

When purchasing materials every effort will be made to eliminate or substitute hazardous substances. Where hazardous substances are used, Product COSHH and Safety Data Sheets will be obtained from the manufacturer/supplier and either GBM UK or its contractors will produce COSHH assessments

All persons handling hazardous substances will be made aware of the risks associated with them in the site induction and from the product safety data sheet for that substance. All appropriate PPE will be worn whenever hazardous substances are to be handled and COSHH will be covered in relevant method statements and risk assessments.

Substances will be stored as to proactively and effectively prevent and control all sources of pollution. All containers will be suitable and clearly labelled. Adequate fire fighting facilities will be readily available near storage and working areas.

3.2.5 Reducing noise & vibration

Company standards insist that where noise levels reach 80dB(A) that all persons exposed wear approved PPE hearing protection.

All plant and equipment brought onto site must be adequately silenced and not produce excessive levels of noise and vibration. Works which are likely to create high noise levels will be programmed to minimise the impact on the local residents where possible.

The use of vibrating equipment is limited to comply with maximum daily exposure levels of 2.5m2/s. Operatives using equipment which produces vibration will ensure exposures limit levels are not exceeded. Where possible alternative methods of work will be used to eliminate the use of hand-held vibratory equipment e.g. machine mounted breakers as apposed to hand held breakers.

Daily liaison with the trust estates department will ensure noisier operations are undertaken at agreed times especially in relation to the location of the works and adjacent live areas of the hospital.

Prior to the demolition of sections of the structures at the interface points with the structures to remain, separation cuts will be undertaken where necessary to reduce any risk of vibration transmitting through the live areas of the structure.

3.2.6 Working with ionizing radiation

Not applicable

3.2.7 Exposure to UV radiation (sunlight)

Education into the risks from exposure to sunlight is included in the toolbox library for use as required dependant on the time of year and weather conditions. In addition, sun cream is made available during the summer months with all site personnel also instructed to ensure full PPE is worn at all times.

3.2.8 Arrangements for controlling other significant health risk exposures

3.2.8.1 Contact with drug paraphernalia and needles

In the event of syringes, suspicious substances or drug related paraphernalia being discovered all operatives are to cease work and report it to the site manager immediately. This information will be briefed to all operatives in the site induction in addition to GBM Needlestick awareness training.

3.2.8.2 Exposure to Leptospirosis (Weils disease)

Personnel to have been issued with Leptospirosis cards / toolbox talks and information on Weil's Disease on a regular basis. Welfare facilities will be maintained to ensure high standards of personal hygiene over the course of the project.

3.2.8.3 Exposure to Psittacosis

Psittacosis is an infection caused by the bacterium Chlamydophila psittaci. It is primarily an infection of birds but can cause pneumonia and other severe health problems in humans. Within construction human infection is usually due to exposure to infected birds, such as pigeons. Where pigeons nest or have nested a specialist contractor will be engaged to ensure the site is safe prior to work commencing.

3.2.8.4 Aspergillus Control

Aspergillosis is a fungal infection caused by Aspergillus spp., commonly found in soil, decaying vegetable matter, damp cellars, building materials including in particular old plaster and ventilation systems. The most common mode of transmission is by the airborne route and therefore is a risk to patients with highly compromised immunity. Since the airborne spores of Aspergillus spp. can travel significant distances controls will be implemented to prevent exposure.

In conjunction with the hospital trust adjacent hospital buildings will be assessed as per the trust "at risk patients and risk factors" Policy to determine specific controls required at specific stages during the works. This may include for sealing ventilation systems or providing negative air pressures (to the construction side) to prevent the ingress of dust into hospital areas. Daily liaison with the hospital estates team representative will allow for forward planning of works in relation to potential areas where higher levels of controls are required.

Working methods on site will prevent any creation of dust through using suppression systems and preventing dust creation e.g. vacuuming as opposed to sweeping.

During demolition works water atomisers will be used to ensure potential dust emissions are controlled directly at source. Suppression will be sprayed by the demolition rig at the working face by tool head mounted suppression unit, in addition ground-based atomiser units will support the rig.

3.2.8.5 Exposure to Legionella

Due to the risk of Legionella and other water borne bacteria potentially thriving in site water tanks and vessels used for dust suppression control measures will be implemented during the works as prevention.

Water tanks are to be drained down at the end of each shift to eliminate the risk of any stored water. Weekly the tanks and vessels are to be treated (chlorinated) to suppress any potential bacteria developing. Records of water management will be completed by the site supervisor and maintained on site. Following implementation of the controls the water will be tested.

In relation to water systems within the sections of hospital for demolition, liaison with the estate department will identify any areas where legionella risk could potentially be present to implement controls to eliminate release and exposure.

3.2.8.6 COVID-19 (Coronavirus)

The company is committed to protecting its site employees and subcontractors during the uncertain times we are experiencing in the current COVID-19 (Coronavirus) outbreak.

Whilst sites are still operational measures need to be taken to both prevent and reduce any risk of potential contamination and spread of the virus in accordance with Government advice. Information on self-isolation & symptoms, distancing preventative measures and cleanliness measures will be cascaded to all site personnel through the site induction.

Works occurring will be in accordance with the GBM Covid 19 Policy and the Construction Leadership Council Site Operating Procedures document. All site personnel will be briefed to both documents prior to commencement of the works with daily briefings used to remind site personnel of the requirements daily. The Site Supervisor will be responsible for monitoring the additional controls and immediately addressing any deficiencies identified.

4.0 Health & Safety File

4.1 Layout & format

The format & layout of the Health & Site File is to be as stated in the Pre-Construction Information.

4.2 Arrangements for information collection & gathering of information

The contract manager & site supervisors are responsible for the collection recording & noting the presence of buried equipment, either forming part of the new works or that discovered in undertaking the works activities.

This information should be in the form of Notes, Records, Test data results, Surveys of Levels Distances and Depths suitably referenced to known or recoverable position and location. Digital Photos are preferred where possible to support other data.

Details of Special Materials and Processes and any special maintenance requirements shall be noted along with any special enforcements and certification.

4.3 Storage of information

All information will be kept at the site office until complete and will then be passed forwarded to the Client.

5.0 Site Health, Safety & Environmental documentation

5.1 Layout & format

Records of the management of contract safety, health & environmental documentation will be maintained as structured in appendix 1.

6.0 Environmental Considerations

6.1 Noise and Vibration

6.1.1 Noise from operatives

Prior to the commencement of works, a toolbox talk will be given to all personnel working on site to reinforce the need to minimise noise and to avoid all necessary noise from vehicles, generators, shouting etc. Daily liaison with the estates department will cover noisier operations in relation to the work areas and adjacent live areas of the hospital in order to minimise impact. Through induction all site personnel we be instructed that the use of offensive language must not be used in the vicinity of hospital staff, patients or visitors.

6.1.2 Noise and vibration from demolition machines

The structures will be demolished using modern demolition excavators that are fully serviced and maintained to the manufacturer's standards. Vibration levels produced by the demolition rigs whilst working are below 0.15mm/s and will not give rise to any adverse impacts to sensitive receptors.

6.0 Environmental Considerations

6.1.3 Noise from breakers and crushers

Any crushers and breakers used on site will be the latest equipment fitted with the latest silencers that are fully serviced and maintained to the manufacturer's standards. The structures will be demolished, as far as possible, using a processor that gradually lifts off brickwork or crushes the concrete using hydraulic rams, rather than a breaker which uses an impact hammer which is much noisier. Crushing / processing plant will be sited in suitable locations increasing where possible the distance from potential receptors. Daily records of environmental conditions during processing plant operations are recorded along with dust emission monitoring by plant operators.

6.1.4 Noise from generators etc

Generators used on site for temporary power supplies will be the latest equipment that is fully serviced and maintained to the manufacturer's standards and will only be run when power is specifically needed. This requirement will for the soft strip phase for lighting and power tool use. The generators will be located immediately outside the existing structure to prevent cables being ran across the site whilst considering any live hospital areas adjacent.

6.1.5 Noise from traffic

All traffic entering the site will be compliant with current legislation and will be held within the site, on specific waiting areas, during any waiting periods. Lorry engines will be turned off whilst waiting.

6.1.6 General noise

No machines will be started up or demolition works commenced before the hours of 08.00hrs Monday to Friday or and will not operate or will demolition continue after the hours of 18.00hrs Monday to Friday. No weekend works are to occur on site without permission from the client.

Sound levels will be monitored at each site boundary side in accordance with requirements of the Section 80 before and during demolition operations to determine the effects of the work. Noise levels are predicted to be well below the 75dB criterion adopted for this assessment at all receptors

Throughout the contract the site manager will liaise directly with the estates department in order to plan works where noisier operations are required to minimise nuisance.

6.2 Dust and Air Quality

6.2.1 Site surface dust

A GBM environmental unit will be based on site that will be capable of damping down surface dust during any dry conditions. The suppression units will be primarily located around the existing buildings for use during the demolition works however the unit will be moved around site as required and conditions dictate.

6.2.2 Dust from demolition

Demolition will take place on one front only at any time giving one source of dust. A Dustfighter Unit will be positioned to blow a damper mist across the area of work to damp down the dust and prevent the material leaving the site area. An additional direct water spray will be used should the Dustfighter not be dealing with the dust problem due to adverse weather conditions. The situation will be monitored and any additional mobile spray units will be available if required. Suppression operations will be constantly monitored to ensure that the applied suppression is effective in controlling emissions whilst not causing any impact to

6.0 Environmental Considerations

the surrounding live areas of the hospital (windblown spray). Where necessary due to changes in weather conditions works will cease to enable suppression equipment to be repositioned.

6.2.3 Dust from asbestos removal works

All asbestos removal works will be carried out fully in accordance with the Control of Asbestos Regulations 2012 which requires measures to be taken to ensure that asbestos fibres do not migrate to air.

6.2.4 Dust from vehicles

Vehicle movements on site will be kept to a minimum by leading vehicles directly from the entrance into the site. Environmental units, based on site will be used to damp down surface dust during dry conditions. Lorry engines will be switched of during waiting to minimise dust disturbance.

6.2.5 Diesel fumes

The structures will be demolished using a modern demolition excavator that is fully serviced and maintained to the manufacturer's standards. The engine will only be run when working. Lorry engines will be switched of during waiting to minimise dust disturbance.

6.2.6 Smoke and fumes

Under no circumstances will there be any intentional fires or burning of any material on site, this information will be cascaded to site personnel at induction.

6.3 Water pollution

6.3.1 Site detritus

The main potential receptor for surface water run-off are the existing drains on and adjacent to the site. Affected drains will be covered where necessary to prevent any run off entering the existing systems.

The site will be regularly cleaned up as works progress by machine scraping to minimise detritus available to be washed into drains. Dust suppression will be monitored and controlled to avoid over wetting and runoff into drains. Suppression used during the works are of a water mist type therefore minimising the risk of any potential run off or over wetting. In the event of any water being identified as being required to discharge to existing drainage the necessary discharge permits will be obtain form the Environment Agency / local authority.

6.3.2 Fuel oils

All fuel oils will be held in bunded tanks located a minimum of 6.0 metres from any building or drain. Re-fuelling will be carried out using drip trays. Spill kits will be available on site at all times.

6.3.3 Lubricants

Biodegradable oils will be used in all machines. All drums of lubricants will be stored in bunded containment.

6.4 Biodiversity

6.4.1 Protection of trees

6.0 Environmental Considerations

No work to any existing trees on site is to take place without written authorisation from the client and following requirements stated in the ecology reports. This information will be cascaded through induction.

6.4.2 Nesting birds

The client will advise of any issues in relation to nesting birds ahead of the works commencing following the ecological surveys by SAP. During the works operatives will be vigilant for evidence of nest sites and in the event of nesting birds being suspected works are to cease and the client informed.

6.4.3 Bats

Ecology surveys by SAP have identified locations where bats are present, these areas will be investigated under licence with a watching brief present to supervise the works. During the works if any further areas are identified then this will be referred back to the Client to arrange the necessary consultations with Natural England.

6.4.4 Other protected species

There are no indications of the presence of other protected species on the site, however, if any indications do arise of the presence of other protected species this will be referred back to the Client to arrange the necessary consultations with Natural England.

6.4.5 Invasive Species

There are no indications of the presence of Invasive Species.

In the event of any areas of invasive species being identified the works will cease and the client informed so further investigative works can be carried out. To ensure site personnel are aware of how to identify invasive species a tool box talk will be carried out at induction including photographs for recognition purposes.

6.5 Waste Management

6.5.1 Site office waste

Site office waste will be sorted to provide separate can, bottle and paper collection for recycling and a food waste bin that will be removed in the non-recyclable skip.

6.5.2 Asbestos waste

All asbestos removal works will be carried out fully in accordance with the Control of Asbestos Regulations 2012. Notifiable materials and all small items of waste will be placed in a red bag then a clear bag prior to being placed in a suitable skip for removal to a facility with the appropriate waste licence, fully in accordance with ACOP L143. Any asbestos cement sheets will be removed using a skip or suitably prepared lorry for removal to a facility with the appropriate waste licence fully in accordance with ACOP L143.

6.5.3 Buildings clearance waste

Buildings clearance waste will be sorted to provide separate metals, bottle and paper collection for recycling other non-recyclable materials will be removed in the non-recyclable skip.

6.5.4 Waste timber

Waste timber will be placed in a skip or lorry for removal to a suitably licenced processing facility for recycling as mulch.

6.0 Environmental Considerations

6.5.5 Waste Metals

All waste metals will be recovered and sent to a suitably licenced facility for further sorting ready for recycling.

6.5.6 Brickwork and blockwork

Brickwork and blockwork will be cleaned of timber etc, sorted and crushed to provide recycled construction aggregates.

6.5.7 Concrete

All concrete will be pulverised to remove the reinforcement, cleaned of timber etc, sorted and crushed to provide recycled construction aggregates.

6.5.8 Soils

It is not anticipated that any soils will be produced by the demolition process, should any soils be produced they will be tested, graded for use in landscaping works.

6.6 Site Traffic Impact

6.6.1 Traffic management

Access to the site will be directly off the A595 Egremont Road onto Rutland Avenue to Homewood Drive and Homewood Hill to prevent site vehicles have to access via the main hospital access road (one-way system). The access point gates will be set back from the existing road to enable delivery vehicles to pull off the road and pull into site to be met by a traffic marshal to unlock the gates and direct the vehicle in to site. Site vehicles leaving site will remain under the control of a traffic marshal until on to the road, ensuring that the safety of pedestrians and other vehicles in the area is not compromised.

6.6.2 Site deliveries

Deliveries to site during the demolition phase are likely to be less than two per day on average, normally consisting of small plant, fuel once per week, facilities maintenance once per week. The larger plant movements delivering machines to site will probably be approximately five movements on and off and can be accommodated early in the morning to avoid disruption in the area.

6.6.3 Waste off site

Waste off site will including timber, asbestos containing materials, scrap metals, recyclable and non-recyclable waste. Again, movements will average less than two per day and will not have a peak exceeding say, five per day, and on many days there will be no waste of site because of the nature of the works over certain long periods whilst actual demolition is occurring rather than buildings clearance.

6.6.4 Personnel

Wherever possible personnel will travel to site together to minimise the number of journeys required. There is more than adequate parking on site and the number of operatives will not exceed ten at any time during demolition.

6.6.5 Proposed vehicle routes

Access to the sites is directly off the A595 Egremont Road arterial route on to Rutland Avenue leading to Homewood Drive and Hill. Vehicles leaving site will exit either by Homewood Hill or Home Drive onto Rutland Avenue to the A595 Egremont Road. All vehicles exiting site will be

6.0 Environmental Considerations

under the control of a vehicle marshal.

The provision of a wheel washing facility will be located on site, if required, from the offset to ensure no debris is carried onto the highway.

Appendix 1: Site H, S & E Management Documentation

Section No.	Ref.	Appendices
1	**Operational Records**	
	1.1	Plant / Equipment Hire Log
	1.2	Material / Waste Log
	1.3	Waste Transfers Notes, Waste Permits etc, Scrap Collection Records
2	**Contract Information & Specification**	
	2.1	Pre-Construction Information
	2.2	Programme
	2.3	Drawings (inc register)
	2.4	Isolation certificates / Service Drawings / Obstructions
	2.5	Specifications
	2.6	Section 80
	2.7	F10 (where applicable)
	2.8	Certificate of completion / substantial completion
3	**Asbestos Management**	
	3.1	Asbestos Survey
	3.2	Air Clearance
	3.3	Consignment Notes
	3.4	Asbestos Duration Sheets
4	**Contract SHE Documentation**	
	4.1	Site Inductions & Site Attendance / Visitors Book
	4.2	Safety, Health & Environmental Plan
	4.3	Method Statements
	4.4	Risk Assessments – Noise / Fire / Manual Handling / Lead / Environmental
	4.5	COSHH Assessments
	4.6	Plant Operator Training Records
	4.7	Toolbox Talks
	4.8	Appointment to Mount Abrasive Wheels
5	**Site SHE Inspections, Certificates & Permits**	
	5.1	Plant Inspection Sheets
	5.2	Thorough Examination Certificates / Service Reports / Calibration certs
	5.3	Scaffold Inspection Register & Handover Certificates
	5.4	Excavation Inspections Register
	5.5	Work Equipment Inspections
	5.6	Lifting Equipment & Accessories Inspections
	5.7	Weekly SHE Site Inspection & SHE Advisor Inspection
	5.8	Permits – Demolition Hot Works, Excavation, Lifting Operations, Confined Space
	5.9	PPE Issue Register
	5.10	NCR / Complaint Forms / Incident Report forms / Near Miss / Damage report forms / Damage to service report form
6	**General QSHE Information**	
For notice board	6.1	Health & Safety, Environmental & Policy Statements
	6.2	Employers Liability Insurance Certificate
	6.3	1st Aiders / Fire action / Emergency Contacts / Assembly point
	6.4	Site rules
	6.5	Hand Arm Vibration & Noise Level Guide

Appendix 2: Contract fire risk assessment

Responsibility for control measures on site by:	Site Manager

Hazard Present	Y	N	Control measures to reduce risk
Accumulation of flammable materials	Y		All bins emptied daily. Skips containing flammable materials located away from site buildings (6 metres minimum)
Poor storage of materials	Y		Flammable substances stored in secure metal store. Combustible materials stored within secure non-combustible structures or open areas of site a suitable distance away from site accommodation. Combustible waste to be regularly collected & stored in a skip away from temporary buildings, stores or equipment.
Smoking	Y		Smoking not permitted on hospital grounds
LPG cylinder storage		N	LPG is only permitted on site following the production of specific risk assessment and method statement approved by the Trust Fire Advisors. LPG stored in designated secure compounds with warning notices displayed denoting “Highly Flammable Liquids”, “No Smoking” Oxygen stored separately from LPG Acetylene not permitted on GBM sites
Security of premises/ arson prevention	Y		Site compound boundaries secure, all equipment /materials stored in compound out of hours. Fuel stores locked when not in use.
Access/ egress blocked	Y		Fire exits kept clear at all times (signed). All vehicles parked in designated areas only. Conduct weekly inspections of escape routes, fire brigade access, fire-fighting facilities & work areas.
Missing persons	Y		All personnel must report to site office. All visitors/ contractors to sign in & out.
Ineffective evacuation	Y		Fire Action signs prominently displayed throughout site. Evacuation procedure in briefed to personal at induction. Evacuation drills periodically tested.
Fire protection inadequate	Y		Portable fire extinguishers to be located in buildings, welfare and at refuelling points. Equipment checked regularly. Hot Work Permit used. Weekly checks of fire fighting & protection equipment
Electrical equipment faulty or overloaded	Y		Electrical equipment free from obvious defect & portable appliances tested. Sockets not to be overloaded. Electricity supplies must be installed in accordance with current Regulations

Appendix 3: Emergency information directory

Site details			
Address:	GBM Demolition, West Cumberland Hospital, Homewood Road, Whitehaven, CA28 8JG		
Access details:	Sites 4a & 4b off Homewood Drive, CA28 8JX Sites 4c & 4d off Homewood Hill, CA28 8JY		
Site Manager:	Tbc	**Tel.**	Tbc
Other emergency contacts:	Andy Harris Ben Slack	**Tel.**	
	Hospital Trust Central Security	**Tel.**	
1st aiders:	Tbc	**Tel.**	Tbc
Fire marshals	Tbc	**Tel.**	Tbc
Nearest A & E Hospital			
Address:	West Cumberland Hospital, Homewood Road, Whitehaven, CA28 8JG (A&E entrance on south east side of hospital)		
Telephone:			
Health & Safety Executive			
Address:	Carlisle HSE Office, 2 Victoria Place, Carlisle, CA1 1ER Tel. 0300 003 1747		
Concerns team no.			
Incident Centre no.			
Environmental Agency			
General Enquiry Line			
Emergency Hotline	(reporting pollution incident)		
Local emergency services *(in event of emergency dial 999)*			
Local Police:	Whitehaven Police Station, 15 Scotch Street, Whitehaven, CA28 7NL		
Local Fire:	Whitehaven Fire Station, Main Street, Whitehaven, CA28 6XD (te		
Local ambulance:			
Utility providers 24hr emergency contacts			
Electricity:	Electricity North West		
Gas:	Northern Gas Networks (T		
Water:	United Utilities (		
Telecommunications:	Openreach		
Street lighting	Cumbria County Council (		

Appendix 4: Direction to nearest A & E hospital

Nearest A&E hospital:	West Cumberland Hospital, Homewood Road, Whitehaven, CA28 8JG
Telephone:	

Directions to nearest A&E hospital:

1. The Accident & Emergency entrance is on the south east side of the hospital

2. Follow Homewood Hill easterly to the top then follow the internal road around to the roundabout which is outside the entrance to accident and emergency.

In event of emergency services being required dial 999 immediately

Appendix 5: Site rules

Contract Manager:	Andy Harris
Site Manager:	Tbc

Welfare facilities

- Toilets and hand washing facilities are available in welfare block
- Drying rooms/ mess areas are available in welfare block
- ALWAYS wash hands after work & before eating to minimise the risk from Leptospirosis (Weil's disease)

Smoking

No smoking is permitted anywhere on the hospital premises. If you smoke you need to leave site during break times and remove safety helmets and high visibility clothing.

Emergency procedures

Emergency arrangements	Sound air horns / bells in working areas, personnel to muster at assembly point – immediately report to Site manager as Trust Central Security to be informed 01946 523960
First aid kits located:	Site office / welfare & emergency stations on site
First aiders are:	Names displayed on notice board
Nearest A & E dept:	West Cumberland Hospital
Fire extinguishers at:	Site office / welfare & emergency stations on site
Fire alarm:	Air horn & existing hospital – if either sound goes to assembly point
Fire assembly point:	By site entrance
Spill kit(s) location:	Spill kits available in site store, plant and refuelling area

Incident reporting

Incidents & near misses	Need to be reported immediately to the site supervisor

PPE requirements

Hard hat, High vis jackets, gloves & Safety footwear must be worn at all times. Other items of PPE to be worn in accordance with client or risk assessment requirements i.e. Gloves, RPE

Site access & vehicles

Site speed limit for all site vehicles and plant is 5mph. Be aware of moving plant in work areas, use designated pedestrian routes where provided. Mobile phones must not be used whilst driving. Be aware of other road users and pedestrians around site. All deliveries must be controlled by a traffic marshal.

Asbestos

Asbestos survey is held in site file & identifies asbestos containing materials. All personnel must have asbestos awareness training. During works if any further asbestos material is suspected or discovered operatives must cease work immediately & report to site supervisor.

Existing services

Services within building isolated, (confirmation in site file).

Drugs & alcohol

It is forbidden to be on site under the influence of alcohol or non-prescription drugs. If you appear or show signs of the effects drugs or alcohol you will be screened and if found positive banned from site and face disciplinary action. If you are on any form of medication from your GP you must inform the supervisor in charge prior to you commencing work.

Appendix 5: Site rules

Safe systems of work

RA's/ MS' must be provided before working on site. All operatives must be briefed on the RA & SSoW that are relevant to the work that they are going to undertake a signed briefing sheet to confirm understanding must be retained on site.

Permit to work requirements

Permits are to be obtained prior to works commencing from GBM Site Supervisor and are in operation on this site for; Hot works, demolition, electrical works, excavations & lifting ops

Operation of plant

Training records must be provided prior to work commencing & must be a recognised qualification. CCDO / CPCS cards are a minimum for working on this contract. No training records, No work.

- Plant & machinery must only be used by trained & competent operators & certificates of thorough examination must be supplied
- Seatbelts MUST be worn at all times
- Weekly plant check sheets are required
- DO NOT use mobile phones or MP3 players whilst operating plant
- Banksmen/ Slingers must be used when required
- Security: We need to protect plant from unauthorised access and possible theft. When not in use, all plant & fuel bowsers must have keys removed & be locked.

Electrical equipment:

No 240v, 110v PAT only- any cables to run tidy at all times

Lifting equipment

All lifting equipment & accessories must hold a current certificate of thorough examination

Noise & vibration

Hand held power tools to be used must have exposure monitored & recorded.
Ensure hearing protection worn in accordance with noise & risk assessments.
Avoid unnecessary noise such as shouting, remember site is adjacent to live hospital & residential properties.

Excavations

Permit to dig to be obtained before digging, all excavations must be fenced & inspected before entry.

Work at height

All equipment for work at height must be inspected & operated by trained & competent persons only.

Hazardous substances

Substances must be stored & labelled correctly in a bund or on bunded pallets & disposed of correctly. CoSHH data is required for all substances used on site.

Manual handling

Use mechanical means to move materials/ equipment where possible. If manual handling unavoidable ensure trained in correct lifting techniques & undertake assessment of operation- report any issues to your supervisor

Drug paraphernalia

In the event of syringes, suspicious substances or drug related paraphernalia being discovered all operatives are to cease work and report it to the site manager immediately.

General

Take reasonable care for your own safety & anyone else who may be affected by your actions. Keep your work area tidy at all times to prevent slips trips and falls.

Appendix 5: Site rules

Other

- Working hours 07.30 – 18:00 Monday to Friday
- No plant to be started or noisy operations to occur before 08:00hrs or after 18:00hrs
- No burning of waste on site
- Remember the site is on a live hospital – do not engage with patients, staff or visitors directly unless approached. If approached be courteous and refer any questions to the site manager immediately.
- Do not access the live hospital areas unless in the event of an emergency.
- Avoid shouting and do not use bad language.

COVID-19 (Coronavirus)

The company is committed to protecting its site employees and subcontractors during the uncertain times we are experiencing in the current COVID-19 (Coronavirus) outbreak.

Whilst sites are still operational measures need to be taken to both prevent and reduce any risk of potential contamination and spread of the virus. The following controls must be implemented on each site;

1. Self-isolation & symptoms

- Any person displaying any of the symptoms as advised by the NHS such as a new and continuous cough, high temperature or loss or change in taste or smell must self-isolate and arrange a test;
  a) If test results are positive isolate for 10 days from when symptoms commenced
  b) After 10 days if you still have a temperature seek medical advice and continue to isolate
  c) if you live with others including household members you must isolate from when the first person in the household's symptoms started.
- Employees from defined vulnerable groups are strongly advised to stay at home.
- Any person returning to work following isolation must confirm that they are symptom free and have followed the latest UK Government advice around self-isolation.
- Ensure the company is aware of any underlying or relevant health conditions and that your emergency contact information is current.

2. Distancing preventative measures

a. Sites are to accept no cold callers, reps or other unnecessary site visitors unless previously authorised.
b. Where ever possible maintain a distance from other workers of 2 metres.
c. Stagger breaks to ensure personnel can distance themselves heading the governments advice of keeping 2 metres apart.
d. FFP3 respiratory protection and latex gloves are available

3. Cleanliness measures

a. Wash hands regularly and thoroughly with warm soapy water for at least 20 seconds especially;
   i. before eating or handling food or after coughing or sneezing.
   ii. when you get home or into work
b. Dry your hands with disposable towels or hand dryer, not linen towels that are shared.
c. Cover your nose and mouth when you sneeze or cough with a tissue then dispose of the tissue in a bin.
d. Ensure site accommodation facilities are hygienically maintained using cleaning products to disinfect objects and surfaces that are touched regularly.
e. Do not share cups and cutlery.

Appendix 5: Site rules

f. Avoid sharing tools and equipment where possible
g. Use hand sanitiser or wash hands with soap and water before and after using shared tools and equipment
h. Hand sanitiser, soap, cleaning materials and tissues are available.

If any person is knowingly ignoring the above advice please report to the site supervisor.

If you have any other concerns please contact Senior Contracts Manager Andy Harris on 07585 901878.

All site personnel to be briefed to Construction Leadership Council Site Operating Procedures document as part of site induction.

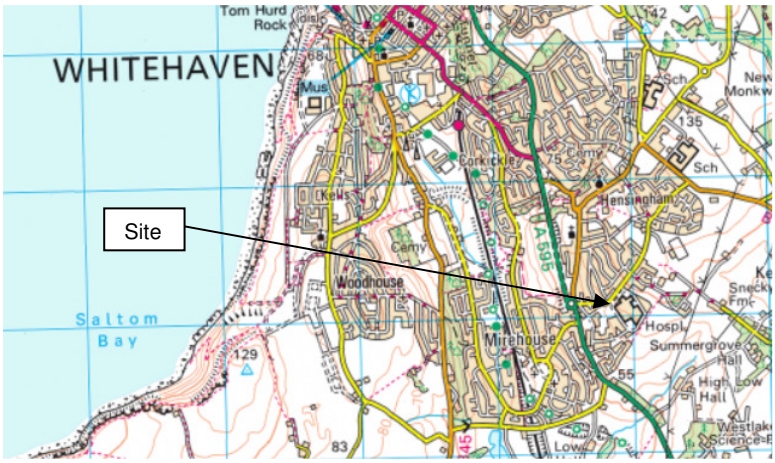
Appendix 6: Subcontractor RAMS Register

Program operation	Contractor	Date requested	Date received	Date approved
Asbestos removals	E4 Environmental Ltd			
Scaffolding	TBC			

Appendix 7: Method statements

7.1 General requirements

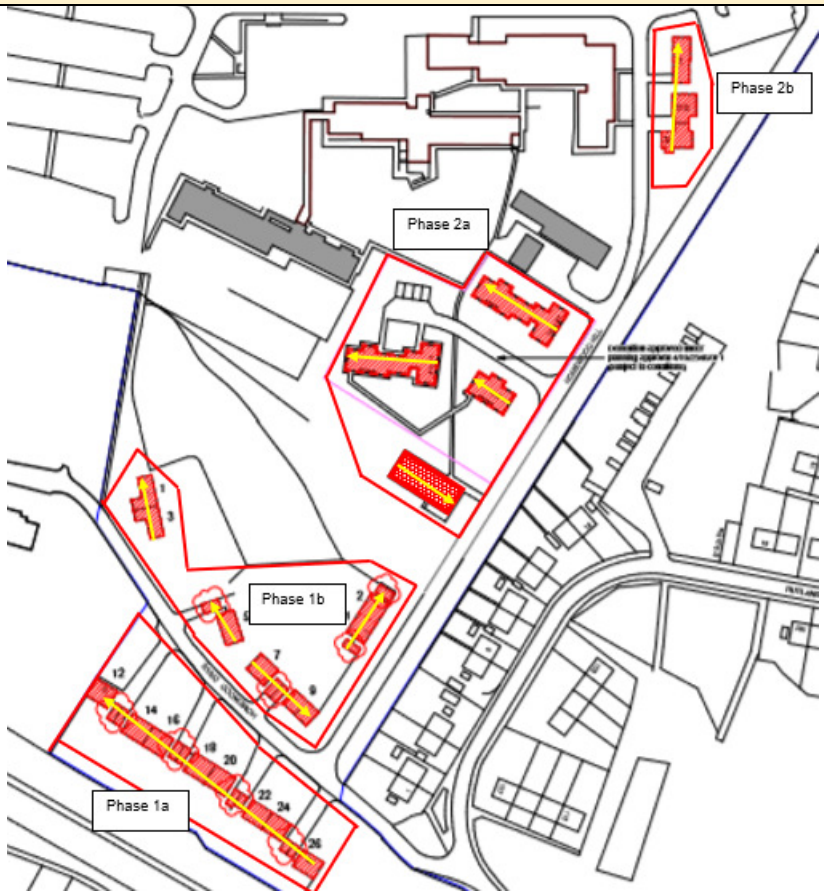
Description of the works

Name of Contract:	West Cumberland Hospital, Whitehaven – Housing Stock
Contract Number:	J1328
Contract location:	West Cumberland Hospital, Homewood Road, Whitehaven, CA28 8JG. (as shown below). The housing stock buildings for demolition are located on Homewood Hill and Homewood Drive within the hospital site. Access to the sites will be directly off the main A595 Egremont Road onto Rutland Avenue leading to Homewood Drive and Homewood Hill. This will ensure construction traffic does not require to use the main hospital access roads (one-way system). Each site will have a specific access which will be clearly signed and under traffic marshal control. 
Contract description:	The contract is for delivery of the demolition of housing stock on the West Cumberland Hospital site. This is the 3rd phase of demolition works on the site with Phase 1b buildings being Blocks A, C, D and W1 being demolished in 2020 with a further phase of demolition works being completed in 2015. The works will be separated into 4 separate sites due to the spread-out locations of the buildings. Work items for the housing stock phase comprise of the following; • Asbestos removals to all buildings • Soft strip to all areas for demolition • Demolition of the existing structures • Grubbing up of all foundations and substructures • Removal of all the arisings The structures to be demolished are generally in a good condition and will be demolished as described in the later Method Statements.

Appendix 7: Method statements

7.1 General requirements

Description of the works



Above: Plan showing locations of the housing stock demolition phase

Start on site:	July / August 2021
Anticipated duration:	14 weeks

Management of the works

Management team

Role	Name	Contact no.
Contract Director	Adrian Corrigan	
Contracts Manager	Andy Harris	
Site Manager	Tbc	
Contract administrator	Julie Haywood	
SHE Advisor	Ben Slack	
Customer contact	Tiffanie Blair (CCL)	

Welfare & emergency management

Site security:	Site work area to be sufficiently secured to prevent other contractors & members of the public entering the work area by GBM as per site management plan using heras security fencing. Additional heras fencing to be positioned as required by GBM to the

Appendix 7: Method statements

7.1 General requirements

Description of the works

	external of the structure and during mechanical demolition works to form the exclusion zone. Records will be kept of all persons attending site. During Covid 19 outbreak site to not accept any non-essential visitors. Operatives to wash or clean their hands before entering or leaving the site.
Site inductions:	All site personal will attend a GBM Induction. Prior to commencing works at the start of each shift a prestart briefing will be undertaken by the site supervision with reference to this method statement. During Covid 19 outbreak number of people in attendance at site inductions and briefings reduced to ensure social distancing maintained and where possible held outdoors.
Welfare facilities:	Welfare requirements will be provided & maintained by GBM prior to the works commencing including toilet facilities, an area for rest with a supply of hot & cold water, washing facilities with warm water, soap & towels, accommodation for drying & storing clothing. These facilities will be by utilising an existing contractor block on site. During Covid 19 outbreak social distancing to be maintained in canteen, toilets and smoking areas. Cleaning regimes to be increased
1st Aid Arrangements:	First aid facilities will be available on site along with a sufficient number of trained personal to administer 1st aid if required. 1st aiders will be indicated by posters on site and through the induction.
Fire:	Suitable fire extinguishers shall be provided in the site welfare and offices, throughout the building at suitable points, at refuelling points and & where hot works are to be undertaken.
Spillage:	Spill control equipment & persons trained in their use to be available.
Other:	Emergency procedures will be clearly displayed & disseminated to all personal on site through the induction process detailing local & national contact details in the case of an emergency.

Plant & equipment

All plant and equipment used shall have current certificates of test & thorough examinations where applicable & shall only be operated by competent persons. All standing plant, generators etc. shall have a drip tray and an emergency spill kit readily available in the event of a spillage. All power and hand tools will be in good working order and checked by users on an ongoing basis.

During Covid 19 pandemic nominated drivers are to operate plant where possible to prevent multi use. Plant cabs are to be cleaned internally daily by the operator and before any change of operator. The cleaning is to be undertaken by the operator whilst wearing gloves and using disposable cloth / towel and standard cleaning products.

Plant/ equipment required	Operator competence required	Inspection/ examination certificates required
Demolition excavators	Yes (CPCS / CCDO)	Thorough exam cert & Plant inspection
Cut off saw & dust suppression	Yes (Abrasive wheels)	Power tool inspection
Substances (as per CoSHH)	CoSHH assessment briefing	MSDS held by GBM
Power tools	Risk assessment briefing	PAT, Visual inspection
Hand tools	Risk assessment briefing	Visual inspection
Tower scaffold	Yes (PASMA)	Tower scaffold inspection
Crusher	Yes (CPCS / NPORS)	Environmental Permit & Plant inspection
MEWP	Yes (CPCS / IPAF)	Thorough exam cert & Plant inspection
Telehandler	Yes (CPCS)	Thorough exam cert & Plant inspection

PPE Requirements

Item	Y or N	Item	Y or N
Safety boots (S Class with steel toe cap and midsole)	Y	Hearing protection	To be available
High vis vest / jacket	Y	Eye protection (grade 1)	To be available
Overall trousers *(no jogging or tracksuit bottoms)*	Y	Respiratory protection	Y- P3
Safety helmet	Y	Other (state)	Y
Eye protection (EN166)	Y	Harness & lanyard (MEWP)	Y
Gloves	Y	Asbestos RPE & PPE	Y

NO SHORTS PERMITTED. HOODIES OR HEADWEAR (PEAKED CAP, WOOLEN HAT OR SIMILAR) ARE NOT PERMITTED UNLESS SPECIFICALLY MADE TO BE WORN BENEATH SAFETY HELMETS

Associated CoSHH assessments

Title	Classification	PPE required	Risk rating
Concrete / brick dust			Medium
Diesel			Low
Engine oil			Low
Gear transmission oil			Low
Grease			Low
Paint – Marker spray			Medium
Petrol			Medium
Plaster board / dry linings			Medium

Classification key:

Explosive	Oxidising	Flammable	Toxic	Health effects	Irritant / Harmful	Corrosive	Dangerous to environment	Gas
								

PPE Required key

Gloves	Overalls	Dust/fume mask	Breathing apparatus	Glasses	Face visor

Appendix 7: Method statements

7.1 General requirements

Description of the works






Other associated documents

Title	Title
Isolation certificates provided by estates	Refurbishment and demolition asbestos survey
Asbestos clearance certificates	Temporary works designs - scaffold
Contract drawings and specifications	Service drawings provided by estates
GBM Covid 19 Policy	Construction Leadership Council Site Operating Procedures
SAP Ecology Bat surveys & associated licences	

Permits required

Title	Title
Permit for lifting operations	Permit to Hot work
Permit for demolition	Permit to break ground

Environmental considerations

Waste

Waste will be removed by licensed carriers accompanied with appropriate waste transfer documentation. Copies of permits for disposal locations as detailed on transfer documentation will be held on site.

Substance storage

Substances will be stored in bunded containment at all times within a designated heras fenced secured area (diesel bowser 2000 litres bunded tank, oils 25 litre drums to be on bunded drum store). All containers will be suitable and clearly labelled. Adequate firefighting facilities & spill kits will be readily available near storage and working areas.

Emissions

During the works a watching brief will be in place to ensure the controls in place to control dust migration are suitable. Dust will typically be controlled by dampening down as required by applying water spray manually. A good pressure water supply is to be made available by the client to supply GBM dust suppression equipment. The site manager and banksmen will keep a watching brief of the works to ensure the controls for suppressing dust etc. are suitable and sufficient. Any deficiency will be immediately address.

Other

Dust control is an absolute priority on the contract due to the risk of aspergillosis to the hospital and due to adjacent residential properties.

Remember the site is on a live hospital – do not engage with patients, staff or visitors directly unless approached. If approached be courteous and refer any questions to the site manager immediately.

Do not access the live hospital areas unless in the event of an emergency.

Appendix 7: Method statements

7.1 General requirements

Description of the works

Avoid shouting and do not use bad language.

Briefing confirmation & acknowledgement of method statement detail

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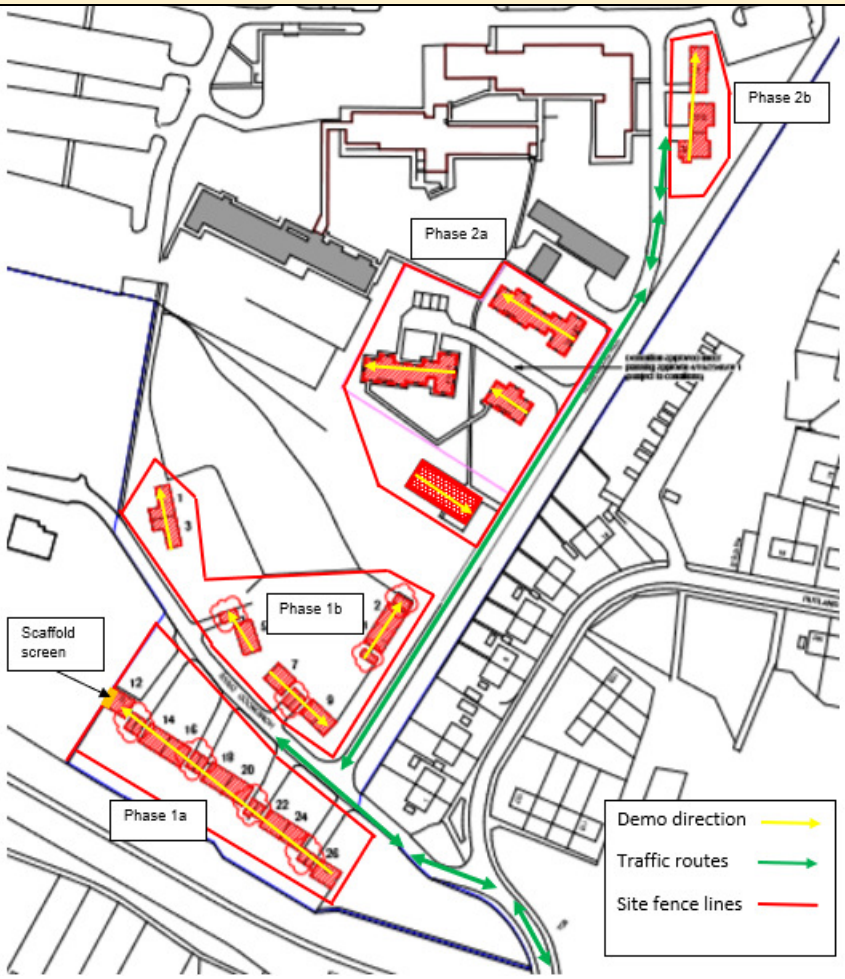
Appendix 7: Method statements

7.2 Site set up & plant / equipment delivery

Scope: The delivery to site of the 'Plant' and 'Waste Containers' for use during the works and security of the site.

Photos / drawings



Refer to site traffic management plan displayed on notice board for each phase

1.	Site supervisor to confirm with the Client that any delivery restrictions have been agreed and offloading points have been checked and are free from any obstructions including overhead structures. Access to the sites is to be directly off the A595 Egremont Road onto Rutland Avenue onto Homewood Drive and Homewood Hill. This access will ensure vehicles accessing the sites do not have to use the main hospital roads (one-way system). The access point gates for each site will be set back from the road to enable delivery vehicles to pull off the road directly into the site to be met by a traffic marshal to unlock the gates and direct the vehicle in to site. **At all times Emergency access vehicles take priority and the existing hospital accesses must not be blocked under any circumstances.**		
2.	**HOLD POINT**– Site Supervisor to confirm:	Sign	Date

Appendix 7: Method statements

7.2 Site set up & plant / equipment delivery

3.	All plant and equipment that will be delivered to site will be planned and notified in advance. The pre-determined and agreed access route along will be used with all drivers abiding by traffic and site rules i.e. speed restrictions. Where practicable deliveries of such equipment will be arranged for either early morning or late evening to avoid disruption to local traffic. Access to the demolition works site will be controlled by a banksman.		
4.	All delivery drivers will be reminded of social distancing (2m) requirements on arrival and asked to wash hands before commencing offloading operations and again prior to leaving the site. All delivery drivers will receive a driver's brief on arrival delivered by the traffic marshal.		
5.	**HOLD POINT**– Site Supervisor to confirm:	Sign	Date
6.	Confirmation that a "traffic marshal" will be used to control the delivery vehicles movements while within the demolition site area. Including access and egress into the site area from the entrance.		
7.	**HOLD POINT**– Site Supervisor to confirm:	Sign	Date
8.	The traffic marshal will direct the driver to the unloading area / point within the site. Vehicle movement will be under the control of a traffic marshal at all times. Any plant on the vehicle will remained chained until it arrives at the unloading point.		
9.	Once the vehicle has arrived at the unloading area the plant / equipment will be unloaded from the vehicle.		
10.	Items to be unloaded are stated below along with equipment and accessories to be used. GBM permit to lift to be completed prior to lifting to assess proximity hazards / exclusion zones and operatives and equipment & accessory certificates of thorough examination.		

11.

Item	Weight	Lifting equipment	Lifting equipment SWL	Lifting accessories
2000l fuel bowser	3500kg	Volvo EC380 6.8m boom 3.2m arm (700mm shoe)	5830kg at max radius cross carriage	2 leg chains with min SWL of 7.5t
Rotar RG48 selector grab	2500kg			
MBI RP40 Processor	4250kg			
Rammer 3288 (breaker)	2040kg			
MBI SH410 shear	4850kg			

Appendix 7: Method statements

7.2 Site set up & plant / equipment delivery

	Heras panels x 10 (16kg/panel)	160kg	JCB 535-140	200kg at max reach with stabilisers retracted (up) For moving panels max lift height of 2.0m and max boom extension of 6.0m gives SWL of 1500kg	Forks
	Heras panel feet x 10 (18kg/foot)	180kg			Forks
12.	Once unloaded delivery vehicles will then exit the demolition area under the direct control of the "traffic marshal" (observing delivery restrictions) to the school access point and will leave site using the nominated traffic route.				
13.	The security of the perimeter of the site will be checked and secured using 'Heras' type fencing to secure the boundary. Panels will be erected to the perimeter and double clipped at all times to ensure stability of the fence line. Supporting feet will be placed internally to any public area to prevent trip hazards. Panels will be handled by 2 no. operatives to reduce manual handling. Supporting bases will be moved to position using barrows before being placed by 2 no. operatives again to reduce manual handling				

Briefing confirmation & acknowledgement of method statement detail

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Appendix 7: Method statements

7.3 Method of works – Hand demolition works to remove roof tiles and facias to specified areas under ecologist watching brief for bats

Scope: This element of the method statement is for the removal of roof tiles and facias under license and ecologist watching brief due to the presence of bats to specified areas of the buildings as per SAP ecology report. These will be removed by operatives accessing using a MEWP and removing tiles & facias as necessary as instructed by the ecologist.

Photos / drawings

Refer to SAP Ecology and Environmental Ltd report and drawings

1.	Confirmation that area is free from asbestos containing materials and clearance certification held in site file		
2.	**HOLD POINT**– Site Supervisor to confirm:	Sign	Date
3.	Confirmation that the GBM site supervisor has seen the service disconnection certificates for the area and copies held in site file.		
4.	**HOLD POINT**– Site Supervisor to confirm:	Sign	Date
5.	Fencing in place positioned to form demolition exclusion zone and prevent any unauthorised access around structure.		
6.	**HOLD POINT**– Site Supervisor to confirm:	Sign	Date
7.	Confirmation that all identified access points leading from the structure into the exclusion zone have been secured to prevent any unauthorised access.		
8.	**HOLD POINT**– Site Supervisor to confirm:	Sign	Date
9.	Access will be from MEWP operated by trained operatives (IPAF/CPCS). Supervisor to confirm operators training details prior to use and that MEWP inspected and holds current certificate of thorough examination. Any tools used whilst at height will be tethered to the user. Persons in basket will wear a safety harness and short line lanyard secured tot eh anchor point in the basket. **Under no circumstance will any person leave the basket whilst elevated.**		
10.	**HOLD POINT**– Site Supervisor to confirm:	Sign	Date
11.	Personnel aware to remain 2.0m apart as per social distancing guidance until accessing MEWP basket. Tools to be allocated to individuals and cleaned down at end of shift. Hands to be cleaned prior to eating, drinking, smoking leaving site. Face coverings to be worn by personnel in basket. Due to limited space in MEWP basket face coverings to be worn at all times.		
12.	**HOLD POINT**– Site Supervisor to confirm:	Sign	Date
13.	Under instruction from the ecologist the demolition operative will remove tiles / facias		

Appendix 7: Method statements

7.3 Method of works – Hand demolition works to remove roof tiles and facias to specified areas under ecologist watching brief for bats

	reachable from the basket to enable checks to be made for bats. Materials removed will be dropped to ground into the drop zone / exclusion zone between the structure and the MEWP and removed during the later remote demolition.		
14.	This operation will then be repeated around the structures.		
15.	On completion of the works all tools and equipment will be cleared from the area.		
16.	**HOLD POINT**– Site Supervisor to confirm:	Sign	Date

Briefing confirmation & acknowledgement of method statement detail

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Appendix 7: Method statements

7.4 Soft strip to buildings

Scope: Soft strip will occur to the existing structures for demolition in the same sequence as the structural demolition.

The soft strip of the structures which includes the removal of any rubbish left by the previous occupiers, any fixed items such as cupboards, doors, any stud walls, carpets and non-asbestos floor tiles. Openings within the structure (windows and suitable doors) will be utilised to remove the released arisings directly into a telehandler bucket or into skips or loaded into bins by demolition rig fitted with grab attachment. Drop zones will not be used.

Photos / drawings

1.	Confirmation that prior to any works taking place, the proposed work area is suitably segregated from all none required persons. Suitable exclusion zones to be established to ensure no inadvertent access by unauthorised personnel during the soft strip phase. Warning signs will be displayed in pertinent positions as required.		
2.	**HOLD POINT**– Site Supervisor to confirm:	Sign	Date
3.	Personnel aware to remain 2.0m apart as per social distancing guidance. Tools to be allocated to individuals and cleaned down at end of shift. Hands to be cleaned prior to eating, drinking, smoking leaving site.		
4.	**HOLD POINT**– Site Supervisor to confirm:	Sign	Date
5.	Confirmation that the work to be undertaken when the building is vacated		
6.	**HOLD POINT**– Site Supervisor to confirm:	Sign	Date
7.	Confirmation that structures have been stripped on asbestos containing materials and clearance documentation received.		
8.	**HOLD POINT**– Site Supervisor to confirm:	Sign	Date
9.	Confirmation that the GBM site supervisor has seen the service disconnection certificates held on site.		
10.	**HOLD POINT**– Site Supervisor to confirm:	Sign	Date
11.	Confirmation that access arrangements for the removal of arisings are in place. 40-yard bins are to be placed directly against building to enable arisings from 1st floor to be placed directly into bins or a tested telehandler is to be used operated by CPCS / NPORS trained operator to enable arisings to be passed through window into bucket		

Appendix 7: Method statements

7.4 Soft strip to buildings

	and then placed into skip as per point 19.		
12.	**HOLD POINT**– Site Supervisor to confirm:	Sign	Date
13.	Access /Egress points within the structure will be kept clear of any debris to avoid slip and trip hazards. Access into these areas will be limited and controlled by the working area supervisor. Fire exits from the building via the staircases to be maintained at all times free from obstruction.		
14.	Operatives wearing appropriate PPE will strip items (described in scope) using hand held mechanical & non-mechanical tools such as lever bars and sledge hammers.		
15.	For any higher-level works, tower scaffolds / podiums erected by PASMA trained operatives and inspected pre-use will be used. Any tools used whilst at height will be tethered to the user.		
16.	**HOLD POINT**– Site Supervisor to confirm:	Sign	Date
17.	Glazing generally will not be removed during the soft strip phase of the demolition with the exception of identified openings which will assist in the removal of arisings from the building. To reduce risks glazing will be removed during the demolition of the structure. This will be carried out by using its 360-degree rotating grab attachment from a remote location. Suspended ceiling covering services will be removed to expose the cables, ducts and pipes. All apparatus will be removed from the structure.		
18.	Materials will be removed from the building in manageable pieces utilising where possible barrows/ trollies, larger items will be reduced in size to as small as practically possible to reduce manual handling.		
19.	Prior to the removal of arisings from upper level windows directly into bins or telehandler buckets the opening heights will be checked by the supervisor to ensure a minimum of 950mm in height achieved to provide adequate edge protection From the ground floor materials removed will be placed directly into the telehandler bucket for disposal into 40-yard bins. From the 1st floor all materials will be removed from the building in manageable pieces and placed directly into 40 yards skips positioned immediately outside of suitable windows within an exclusion zone demarked with heras fencing. Alternatively, materials will be removed from the building in manageable pieces and placed directly into a telehandler bucket from suitable windows in an exclusion zone. The telehandler will then place the materials directly into 40-yard skips. During the operation the telehandler operator will remain in the cab at all times.		
20.	**HOLD POINT**– Site Supervisor to confirm:	Sign	Date
21.	Once redundant materials have been removed to the outside of the building they will be picked up and deposited into suitable skips or containers by either the telehandler		

Appendix 7: Method statements

7.4 Soft strip to buildings

	or demolition excavator fitted with grab attachment. Bins will be removed at from site daily.		
22.	This work will be repeated around the structures to reduce the distance the redundant materials need to be carried, therefore reducing manual handling.		
23.	Confirmation that the Soft-stripped structures have been fenced off to ensure no inadvertent access by authorised or unauthorised persons prior to machine demolition.		
24.	**HOLD POINT**– Site Supervisor to confirm:	Sign	Date

Briefing confirmation & acknowledgement of method statement detail

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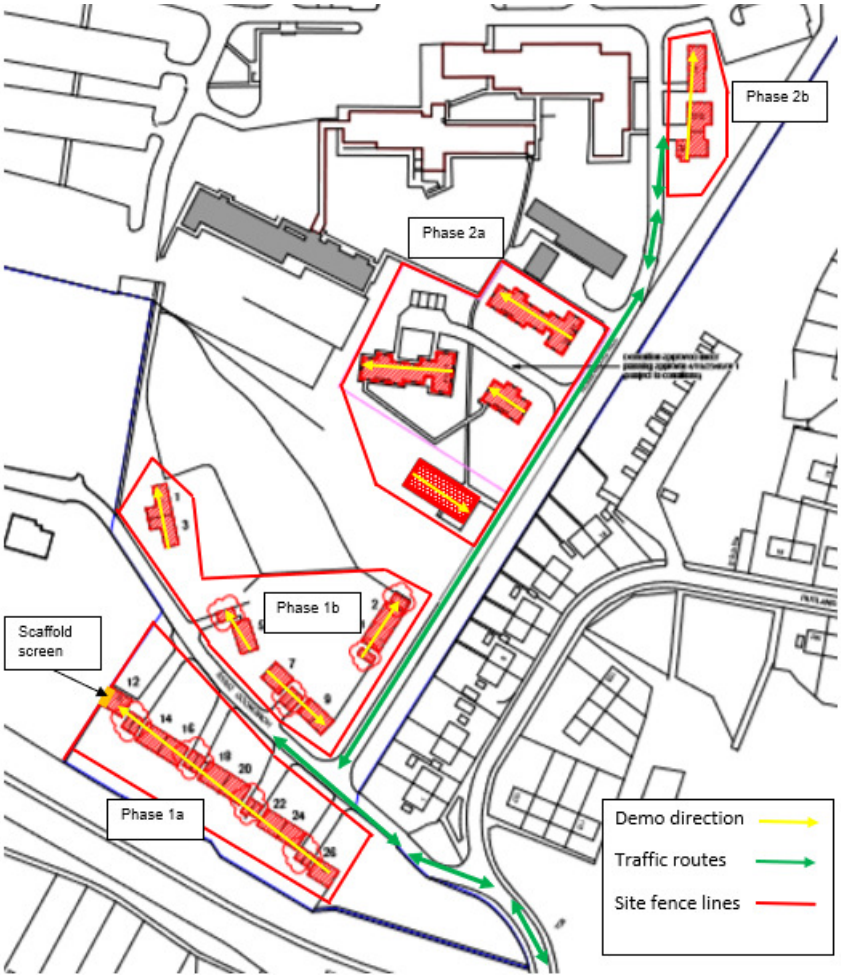
Appendix 7: Method statements

7.5 Method of works – Demolition of structures

Scope: This element of the demolition consists of methodology for reducing the structures identified to ground level. All works will be carried out in compliance with 'BS 6187:2011 Code of practice for full and partial demolition'.

Photos / drawings



Above – 4 no. site locations with boundaries, traffic routes and demolition direction

1.	Demolition will be by working across the sites separately to ensure one demolition face at any one time. Works would commence at Phase 1a followed by 1b, 2a and 2b.		
2.	Personnel aware to remain 2.0m apart as per social distancing guidance. Tools to be allocated to individuals and cleaned down at end of shift. Hands to be cleaned prior to eating, drinking, smoking leaving site.		
3.	**HOLD POINT**– Site Supervisor to confirm:	Sign	Date

Appendix 7: Method statements

7.5 Method of works – Demolition of structures

4.	Confirmation that area is free from asbestos containing materials and clearance certification held in site file.		
5.	**HOLD POINT**– Site Supervisor to confirm:	Sign	Date
6.	Confirmation that the GBM site supervisor has seen the service disconnection certificates for the area and copies held in site file following all services being isolated out of the structure's footprint by the client.		
7.	**HOLD POINT**– Site Supervisor to confirm:	Sign	Date
8.	Fencing positioned to form demolition exclusion zone and prevent any unauthorised access around structure being demolished.		
9.	Confirmation that the building for demolition has been checked for unauthorised personnel prior to the commencement of the demolition and that the building will remain secure throughout the demolition process.		
10.	**HOLD POINT**– Site Supervisor to confirm:	Sign	Date
11.	Confirmation that banksmen (in radio contact with rig operator) are positioned around the buildings to advise of any situations which may give rise to risks to plant operators, operatives and passers-by during the remote demolition.		
12.	**HOLD POINT**– Site Supervisor to confirm:	Sign	Date
13.	Whilst plant is operating the only authorised persons permitted in the demolition area are CCDO card holders nominated to act as banksmen. Visual or radio contact must be maintained with any machine operator at all times and the banksmen must be positioned outside of the working radius of the machine. Whilst machines are operating banksmen must not undertake any other tasks unless the plant has been placed in a safe state and operators have been communicated with.		
14.	**HOLD POINT**– Site Supervisor to confirm:	Sign	Date
15.	During the demolition works, traditional dust controls will be implemented to eliminate / reduce emissions. Knock down atomising sprays will be used to keep areas damp for the duration of the works, where required specific water sprays will used on particular points.		
16.	The structure will be demolished, as far as possible, using a processor that gradually lifts off brickwork cladding and roof coverings. The arisings will be pulled in a controlled manner into the footprint of the building.		
17.	The Demolition excavator will be located a safe distance from the structure for the commencement of the works. On Phase 1a this will be at the eastern end of the row of houses, the machine will then work progressively westwards through the structures.		

Appendix 7: Method statements

7.5 Method of works – Demolition of structures

18.	The demolition excavator will peel any covering from the roof. Any removed element will be lifted from the structure to ground level. Once at ground level the demolition excavator will process the released section into machine sized sections for ease of loading into suitable bins/containers for removal off site.
19.	The machine will then break a hole into the building near eaves level. The outer wall cladding will be pulled from the structure into the exclusion zone directly in front of the machine. Removing the outer cladding will expose the structural frame.
20.	The Demolition excavator with grab will remove any roof trusses, purlins from the structure systematically with the progressive reduction of the walls, this will maximise the stability of the structure. Any steel frame will be sheared down using a shear attachment on the rig, initially cutting one side of the ridge member or truss before lowering it to the floor, then by cutting the ridge member, or truss at the opposite end of the span and lowering that to the ground such that the roof structure for that bay is lowered onto the prepared area.
21.	Concrete frames (beams and columns) will be removed by the demolition rig using a processor attachment. The processor will pulverise the concrete frame section member at intended point of separation, as the concrete is broken up by the hydraulic jaws of the machine any reinforcing rods will be exposed. These will be cut by the cutting blades within the pulverising jaws mechanism and the beam / column will be lowered to ground level.
22.	For floor slabs the machine using the pulveriser attachment will then progressively in 1m sections process across the slab leaving the adjacent bays structural beams and columns intact. As the concrete is broken up by the hydraulic jaws of the machine any reinforcing rods will be exposed. These will be cut by the cutting blades within the pulverising jaws mechanism. The machine will continue to process the slab in approximately 1m strips across the width of the slab to the next beam, working from the front to the rear. The redundant materials will fall to the area below which again will be cleared by the machine as required as the works progress to prevent any over loading on the floor slab beneath
23.	The machine will work through the structure a single structural bay at a time, working the structure down in a top down manner in piecemeal fashion (bit by bit) until the entire structure has been reduced down to slab level. At intervals deemed appropriate by the rig operator and site supervisor demolition works will cease to enable arisings to be processed further and cleared from the area.
24.	Once the first section has been removed, the remainder of the structure will be reduced in the same manner. Working from the top down, progressively removing the roof element and the associated walls / frame to the structure systematically.

Appendix 7: Method statements

7.5 Method of works – Demolition of structures

25.	The machine will continue through the structures a single structural bay at a time, working the structure down in a top down manner in piecemeal fashion (bit by bit) until the entire structure has been reduced down to ground level.		
26.	Prior to shift end / reduction of bay mechanical demolition will cease ensuring structural stability of remaining sections at all time.		
27.	**HOLD POINT**– Site Supervisor to confirm:	Sign	Date
28.	Demolition works will progress around the 4 sites as per the demolition sequence plan.		
29.	During phase 1a prior to commencing the demolition of no.12 on Homewood Drive a designed sheeted scaffold and crash deck will be erected to the western elevation to protect the property beyond. Prior to works commencing the TG20:13 compliance sheet (or design drawing if non-complaint) and handover certificate for the scaffold erected must be seen by the demolition supervisor and the scaffold scaff-tagged. During the works to the structure where scaffold is tied to the structure scaffolders will alter the scaffold accordingly and lower and adjust ties as necessary to progress the demolition whilst ensuring the scaffold is fully tied. Liaison to be between the lead scaffolder and demolition supervisor at all times. Scaffold must be monitored for debris on lifts continually, prior to access to scaffold to check lifts scaffold to be inspected by scaffold inspector, when accessing scaffold, demolition in area to cease. A designated banksman is to work with the demolition rig (in radio contact) to assist in identifying scaffold tie points.		
30.	**HOLD POINT**– Site Supervisor to confirm:	Sign	Date
31.	Throughout the works all waste material arisings will be gathered and where practically possible segregated into different waste streams. Concrete / hardcore will be transferred to the site crusher for processing. Timber will be sent off site for reuse or pulping. Metal products will sent off site for recycling. By continuously processing materials arising, unobstructed access around a relatively tidy site is maintained. A copy of the Duty of Care - Waste Transfer Note, detailing description, producer and carrier of waste, will be kept on site and available for inspection.		

Briefing confirmation & acknowledgement of method statement detail

Name (Print)	(Name Sign)	Company	Date
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Appendix 7: Method statements

7.5 Method of works – Demolition of structures

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7.5 Method of works – Lifting of Slabs and Removal of Material			
Scope: This element of the method statement is for the removal of existing foundations and floor slabs. This will be undertaken using 360º tracked hydraulic excavator fitted with bucket, tine or breaker.			
1.	Personnel aware to remain 2.0m apart as per social distancing guidance. Tools to be allocated to individuals and cleaned down at end of shift. Hands to be cleaned prior to eating, drinking, smoking leaving site.		
2.	**HOLD POINT**– Site Supervisor to confirm:	Sign	Date
3.	Confirmation by the Site supervisor that any services have been identified using drawings / CAT / and a permit to excavate / break ground has been issued by the site manager.		
4.	**HOLD POINT**– Site Supervisor to confirm:	Sign	Date
5.	Prior to commencing the work, water suppression equipment will be connected and the water supply pipes positioned as required and as appropriate to siting and weather conditions.		
6.	**HOLD POINT**– Site Supervisor to confirm:	Sign	Date
7.	All remaining slabs, walls foundations etc. will be broken up by the demolition rig and moved to the site processing area to be processed prior to removal from site by road going vehicles.		
8.	All road going vehicles will be checked by the traffic marshal to ensure wheels are clean and the load is sheeted prior to leaving. Works will be planned to ensure clean running on site is available to keep vehicle wheels clean. Any vehicle with dirty wheels will not be permitted to leave site until the wheels have been cleaned.		
9.	**HOLD POINT**– Site Supervisor to confirm:	Sign	Date

Briefing confirmation & acknowledgement of method statement detail

Name (Print)	(Name Sign)	Company	Date
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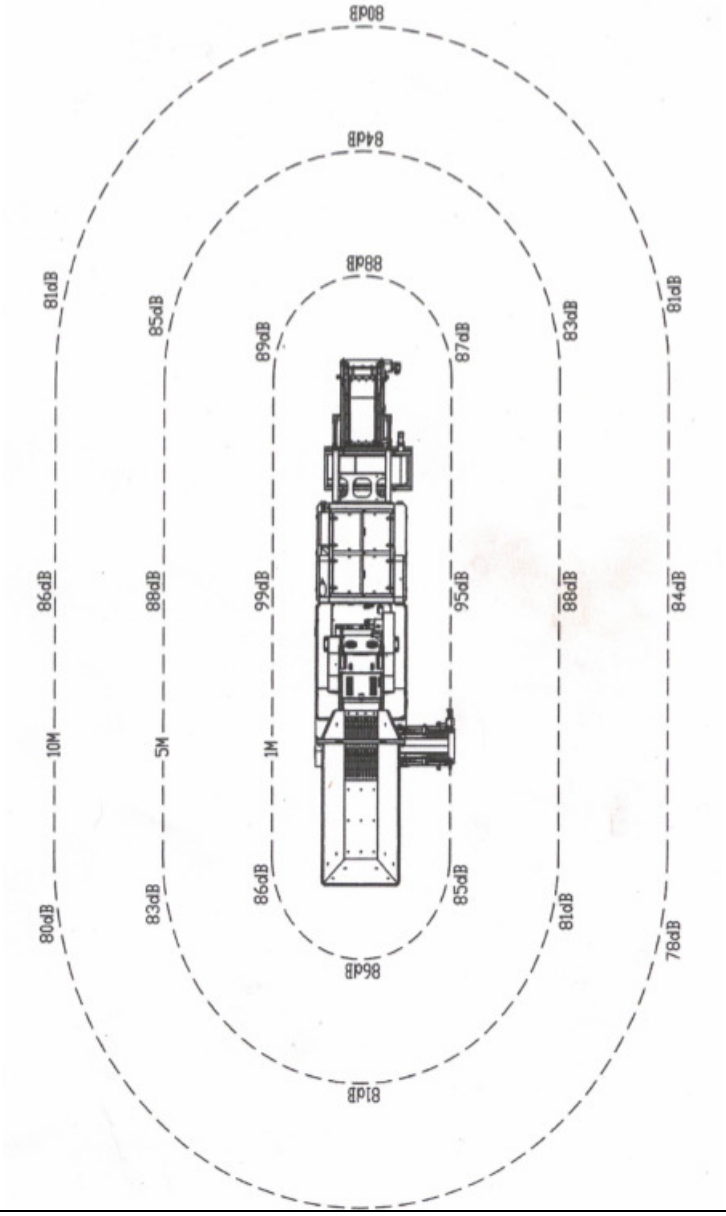
Appendix 7: Method statements

7.6 Method of works – On site processing of material

Scope: This element of the method statement is for the onsite processing of site won material into recycled product. Material will be processed in accordance with GBM Quality protocol for the production of recycled aggregate.

1.	The processing plant will be sited as agreed with client and in accordance with the working area site management and logistics plan in a designated area within the site to minimise noise emissions at the site boundary. Noises levels shown below are at 1.0m, 5.0m and 10.0m from working McClusky J40 crushing plant, the area within 10.0m of the crushing plant will be mandatory hearing protection zones and signed accordingly. Hearing protection used within the 10.0m mandatory hearing protection zone to have SNR of between 20 -30. 
2.	Prior to delivery, the destination local authority and EPC issuing local authority (East

Appendix 7: Method statements

7.6 Method of works – On site processing of material

	Lindsey District Council) to be notified in advance of crusher movement. Copies of the permit will be held on site.		
3.	On delivery of the mobile processing plant it will be set-up ready for work i.e. support jack legs lowered into position onto the existing prepared surface until they take full weight of the unit.		
4.	**HOLD POINT**– Crusher operator to confirm:	Sign	Date
5.	Full discharge conveyor will be hydraulically extended and placed until supported by wire strainers. Magnetic belt installed and connected for work. The machine to be checked for even levels by use of spirit level to ensure minimum vibration and stability. Guards will be checked to ensure correctly fitted and secured. All access ladders will be fitted and secured. Once set up the operator will complete a pre use inspection of the plant – any defects must be reported to the supervisor immediately and the plant not operated.		
6.	The plant will then be started, the clutch will be engaged to enable the drive belts and jaws to function. Stop / Start switches and Emergency Stop controls will be checked to ensure correct operation. Water spray bars will be checked to ensure in full working order and hoses directed onto discharge conveyor and jaws to suppress dust arisings. Jaws will be set to produce the required specification arisings.		
7.	Operatives will stand at a safe distance from the crushing operations in a position out of the slew radius of the loading excavator. The area around the crusher will be delineated with bunds of processed materials to segregate operators from any haul routes and cone and rope used to identify hearing protection zones. Operatives will only access the machine on the maintenance platform when the machine has been isolated and check for blockages. All operations will cease when checking is in process.		
8.	**HOLD POINT**– Crusher operator to confirm:	Sign	Date
9.	Radio communication, visual communication, or air horns will be used to advise the machine operator to stop operations.		
10.	**HOLD POINT**– Crusher operator to confirm:	Sign	Date
11.	If the plant has a blockage of any description, the machine will be isolated and the keys removed by the trained operator who will place them in their pocket until they have cleared the blockage.		
12.	**HOLD POINT**– Crusher operator to confirm:	Sign	Date
13.	Emissions and dust will be monitored visually by the operator continuously throughout the operation and a minimum of three times daily recorded in the site processing plant diary. In the event of any visible dust emissions operations must cease and investigated to establish why suppression systems not functioning.		

Appendix 7: Method statements

7.6 Method of works – On site processing of material

14.	**HOLD POINT**– Crusher operator to confirm:	Sign	Date
15.	To load the crusher a tracked 360 excavator will be placed behind the loading hopper of the crusher at a level that ensures the operator has full uninterrupted view of the crushing plant and crusher operator. Material will then be deposited as required (slowly) into the feed hopper ensuring even distribution on the feeder tray while at the same time checking for oversized pieces. The crusher sorter will deposit unsuitable arisings to the sides and rear of the resultant stockpile.		
16.	All crushed arisings are then moved from the discharge conveyor; this will usually be carried out by the excavator or a loading shovel. The suitably processed arisings will then be either transported to the designated area on site for stockpiling or loaded directly into road going vehicles for removal from site. All lorries will be checked to ensure wheels are clean and loads sheet prior to leaving site by the traffic marshal.		
17.	All arisings will be checked at agreed intervals in accordance with the relevant quality protocols.		
18.	**HOLD POINT**– Site Supervisor to confirm:	Sign	Date
19.	On completion of the works the mobile processing plant will be dismantled and removed from site.		

Briefing confirmation & acknowledgement of method statement detail

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Appendix – 8.0 Risk Assessment

Task / activity:	**Housing stock Demolition works**		
Location:	West Cumberland Hospital, Homewood Road, Whitehaven, CA28 8JG		
Persons affected:	Third Parties / Operatives / Public		
Assessment date:	December 2021	**By:**	GBM

Matrix of risk level (RL)

		Severity Factor (SF)		
		Slightly Harmful (SH)	Harmful (H)	Extremely Harmful (EH)
Likelihood Factor (LF)	Highly Unlikely (HU)	*Trivial Risk*	*Tolerable Risk*	*Moderate Risk*
	Unlikely (U)	*Tolerable Risk*	*Moderate Risk*	*Substantial Risk*
	Likely (L)	*Moderate Risk*	*Substantial Risk*	*Intolerable Risk*

Topic of Concern / activity	Identified Hazards	Associated Risk	Assessment pre controls			Existing Controls (Engineering/ Managerial)	Assessment post controls			Additional or proposed controls	Residual Risk Level
			LF	SF	RL		LF	SF	RL		
1. Access & Egress	Obstructions of pedestrian routes/assigned emergency routes. Presence of demolition arising's. Plant movement. Presence of excavations, pits, voids. Access by third parties. Inadequate lighting. Hazardous substances. Trailing cables.	Slips & trips. Falls from height or on the same level. Sprains and strains. Fire. Crushed, trapped, struck, serious injury, electrocution.	Lky	ExH	**Intol**	Authorised visitors must be inducted, complete visitors register and be escorted by site management Exclusion zone around the project to be secure with safety signs placed in prominent positions. Good housekeeping to be maintained with trailing cables protected. Provision should be made for temporary lighting. Pedestrian route to be clearly segregated from vehicle/plant routes. Excavations to be fenced. Good storage of materials, waste, flammable substances & hazardous substances. Vehicle warning systems e.g. amber beacon, horn along with a banksman in attendance. Fire points to be placed at prominent positions.	Un	H	Mod	PPE to include hi-vis, safety footwear, hard hat, light eye protection & gloves. Training & information. Site management to monitor standards of housekeeping.	Tol
2. Services	Electricity, gas, oil, water.	Fire, explosion, flooding, electrocution, pollution.	Lky	ExH	**Intol**	Certificates of disconnection and isolation to be obtained from the client/ service provider prior to works commencing. (Permit to work system to be implemented).	Un	ExH	Sub	Isolations to be verified by competent persons. Provision of information instruction, training & supervision.	Tol

Topic of Concern / activity	Identified Hazards	Associated Risk	Assessment pre controls			Existing Controls (Engineering/ Managerial)	Assessment post controls			Additional or proposed controls	Residual Risk Level
			LF	SF	RL		LF	SF	RL		
4. Asbestos	Asbestos containing materials (ACM's)	Respiratory disease, Mesothelioma, Asbestosis, Lung Cancer.	Lky	ExH	**Intol**	Works to take place in line with The CAR 2012 and other statutory provisions. Prior to demolition or refurbishment, a fully intrusive refurbishment/demolition survey as per HSG 264 will be undertaken to locate any ACMs	Un	ExH	Subs	Abatement works will be undertaken by a contractor licensed by the HSE and in line with CAR 2012	Tol
6. Handling or contact with Man Made Mineral Fibres.	Man Made Mineral Fibres	Respiratory disease	Lky	ExH	**Intol**	Provision and use of correct PPE- EN149 P3 ori nasal masks, EN388 gloves, disposable coveralls, EN166 goggles. Minimise operative contact by using suitable plant with sufficient reach and handling facility. Load materials directly into awaiting container skips. Damp down at source to suppress fibre release if required.	Un	ExH	Subs	Toolbox talk. Provision of information, instruction, training and supervision.	Tol
7. Soft Stripping	Hand tools, manual handling, dust and noise. Falling materials. Existence of services - electricity, water, and gas. Slips, trips and falls on the level. Sharps i.e. glass, nails & hypodermic needles. Unauthorized access.	Sprains, strains, back injury & WRULD. Cuts & lacerations, electric shock/burns. Respiratory disease. Tinnitus & temporary threshold shift.	Lky	H	Subs	Access to working area to be restricted. Use suitable tools for the task. All materials to be cleared away as soon as possible. Good housekeeping is important to maintain a safe working area. PPE & RPE to be issued and used i.e. hard hat, high visibility clothing, safety boots, overalls, gloves, safety glasses, P3 disposable respirator and hearing protection where required. Access platforms to be used when stripping ceilings and non-structural items above head height.	Un	H	Mod	Works to take place in line with the method statement & risk assessment. GBM or client PTW to be used. Provision of information, instruction and supervision. The use of full arm covering PPE must be worn to reduce the severity of any contact with sharps, e.g. Glass and prevent skin irritation/reaction from dust, dirt etc	Tol

Topic of Concern / activity	Identified Hazards	Associated Risk	Assessment pre controls			Existing Controls (Engineering/ Managerial)	Assessment post controls			Additional or proposed controls	Residual Risk Level
			LF	SF	RL		LF	SF	RL		
8. Working at Height	Operatives falling from height or on the same level. Materials and or tools being dropped from height. People walking underneath work area. Weather conditions.	Fractures, head injury due to objects & debris falling from height. Serious injury and death.	Lky	ExH	**Intol**	Assess whether working at height can be avoided. Where a person could fall a distance liable to cause personal injury access must be gained by the following, a fixed or mobile scaffold, MEWP or suitable working platform. The working platform must have adequate toe boards, guardrails & intermediate rails to prevent people or material from falling & should give collective means of protection. The working platform must have safe access & egress. MEWP to be operated by competent person and safety harness and lanyard to be used. Exclusion zones to be established and enforced where appropriate. Works to cease at height if the weather conditions jeopardise the health & safety of employees/contractors.	Un	ExH	Subs	Working platform to be erected, dismantled & inspected by a competent person holding the relevant training i.e. PASMA. GBM or client PTW used. Banksman at ground level & all operatives wearing the required PPE. Provision of information, instruction, training & supervision. Chin straps to be worn on hardhat.	Tol
9. Mechanical Demolition	Collision with operatives or other vehicles. Damage to surrounding property. Premature collapse of structure being demolished. Dust in air, vibration. Plant overturning.	Crushed, trapped, fractures, head injury. Amputation, injury to third party and death.	Lky	ExH	**Intol**	Exclusion zone to be established and enforced around structure and items of construction plant (to include full slew area of 360 degree machines) as required. Methodical demolition sequence to be used in accordance with an approved method statement. Dust to be controlled by use of water when necessary. Plant operatives/banksmen to use hearing protection as stated in method of works and/or indicated by site signage. Consideration to be given to the use of hydraulic pulverisers etc, when noise/vibration problems	Un	ExH	Subs	CITB-CPCS trained operatives. Rear mounted camera fitted to machines along with operational beacon. Exclusion zone policed by banksman. GBM or client PTW. FOPS & TOPS fitted to excavator.	Tol

Topic of Concern / activity	Identified Hazards	Associated Risk	Assessment pre controls			Existing Controls (Engineering/ Managerial)	Assessment post controls			Additional or proposed controls	Residual Risk Level
			LF	SF	RL		LF	SF	RL		
						are evident.					
10. Pulverising Heavy Concrete	Projected aggregate particles. Reinforcing bars. Dust, noise, vibration. Excavator striking persons or structure. Slips trips and falls on the same level.	Eye injury, cuts and lacerations. Respiratory disease. Tinnitus & temporary threshold shift. Head & upper body injuries. Possible death.	Lky	ExH	**Intol**	Demolition to follow a methodical sequence as per method statement. Jaws on the pulveriser to be inspected daily and maintained in a good condition. Exclusion zone to be policed & maintained with only authorized banksmen to be in attendance. Dust to be suppressed by damping down with water. Hearing protection where required.	Un	ExH	Subs	CITB-CPCS trained operatives. Rear mounted camera fitted to machines along with operational beacon. GBM or client PTW. FOPS & TOPS fitted to excavator. Information, instruction & supervision. Toolbox talks.	Tol
11. Breaking RC floor slabs & Beams and concrete floor slabs with Hydraulic breaker attachment	Projected aggregate particles. Reinforcing bars. Dust, noise, vibration. Excavator striking persons or structure. Slips, trips and falls on same level.	Eye injury, cuts and lacerations. Respiratory disease, Tinnitus & temporary threshold shift. Head & upper body injuries. Possible death.	Lky	ExH	**Intol**	Demolition to follow a methodical sequence as per method statement. Hydraulic breaker to be inspected daily and maintained in a good condition. Exclusion zone to be policed & maintained with only authorized banksmen to be in attendance. Dust to be suppressed by damping down with water. The noise generated from breakers exceeds the second action level and hearing protection within 15 metres of the works is mandatory. Issue and use of PPE & RPE.	Un	ExH	Subs	Drivers cab door to remain closed whilst carry out works. Organize the work so that the noisy operations are not carried out early morning or during the evening. Communication with client, other contractors and if working in an urban area liaison with residents and businesses.	Tol
12. Premature collapse	Uncontrolled collapse. Falling / flying objects.	Serious injury, explosion, fire, crushing & death.	Lky	ExH	**Intol**	Pre-demolition survey, detailed risk assessment. Establish load-bearing capacity of floors for plant.	Un	ExH	Subs	Demolition to follow a methodical	Tol

Topic of Concern / activity	Identified Hazards	Associated Risk	Assessment pre controls			Existing Controls (Engineering/ Managerial)	Assessment post controls			Additional or proposed controls	Residual Risk Level
			LF	SF	RL		LF	SF	RL		
of structure being demolished						Information, instruction, training & supervision. Competent & trained workforce.				sequence as per method statement. GBM or client PTW.	
13. Working near roads and pedestrian areas	Materials falling onto roads, striking vehicles or pedestrians. Operatives being struck by plant or traffic. Noise, dust. Collision with other vehicles. Reversing vehicles.	Serious bodily harm. Crush/trap injury. Major injury, death.	Lky	ExH	**Intol**	Pedestrians separated from the work and traffic by way of designated pedestrian routes. Communication to be maintained. Work methods to be selected to minimise risk of debris from demolition falling onto roads. Protective screens to be used where necessary. High visibility jackets to be worn along with the specified PPE. Exclusion zone to be of a sufficient size to maintain the demolition works. The site manager is to be informed of site activities as appropriate, to arrange closures / restrictions.	Un	ExH	Subs	A banksman is to oversee the works with good communication required to ensure the safety of operatives and pedestrians. Safety signs complying with the Health & Safety (safety signs and signals) regulations 1996 to be placed in prominent positions. Toolbox talks, briefing to be maintained.	Tol
14. Mobile Plant Operations & Movement	Damage to underground structures & services. Crushing & impact hazards. Poor visibility. Collision with pedestrians, other plant and buildings. Noise and dust.	Crushed, trapped, struck, serious injury, electrocution, fire, respiratory disease, tinnitus & temporary threshold shift. Amputation and death.	Lky	ExH	**Intol**	Access to working area to be restricted. All plant operators to be trained in operation of specific types of plant (CITB) certification to be verified before work commences. Banksman to be in attendance. Plant to have a minimum of 1 metre clearance to surrounding structures. Visual Inspection of ground to be carried out prior to start of work. Mirrors & windows to be kept clear. Provision of ROPS & FOPS, rear mounted camera, beacon and horn. Carrying of passengers is prohibited	Un	ExH	Subs	Works to be undertaken as per method statement, risk assessment and by a trained operative. Mobile work equipment is to comply with the provisions of PUWER 98 and all daily inspections and	Tol

Topic of Concern / activity	Identified Hazards	Associated Risk	Assessment pre controls			Existing Controls (Engineering/ Managerial)	Assessment post controls			Additional or proposed controls	Residual Risk Level
			LF	SF	RL		LF	SF	RL		
						on all items of plant unless a specifically designed seat has been fitted at manufacture and a seat belt is present.				maintenance must have been completed	
15. Manual Handling General	Lifting, pulling, pushing, carrying, moving a load by bodily force. Poor posture during a lift, dropping a load and sharp edged or hot loads.	Muscular sprains and strains, back injuries. Cuts, bruising & abrasions. WRULD.	Lky	H	Subs	Avoid manual-handling operations so far as is reasonably practicable by using mechanical means. Manual handling risk assessment must be carried out before any manual handling takes place. Adequate lighting is essential along with clear and unobstructed pedestrian routes. Correct selection and use of PPE.	Un	H	Mod	Provision of Information, Instruction, training and supervision. Toolbox talks and team briefings.	Tol
16. Re-fuelling, Inspection and servicing of diesel powered plant and machinery	Spillage of oil or diesel. Injury due to trapping of limbs when inspection doors or cowling are closed. Falling from height. Steps and access ways of machinery invariably become slippery due to oil spillage. Manual handling of oil drums and plant components.	Fire and explosions, dermatitis, contamination of the ground or watercourses. Splashes of fuel to the eyes	Un	H	Mod	Funnel and air pumps should be used when handling oils or fuels. Care to be taken when opening and closing doors and cowlings. Machine steps and walkways to be kept clean. Use of safety harness to be considered when working at height. Extinguishing medium to be at hand along with absorbent granules should a spillage occur. The correct PPE is to be worn i.e. gloves, glasses, safety boots, high visibility clothing etc this will be highlighted on the COSHH assessment. Fuel storage tanks should be bunded or be provided with drip trays beneath them to prevent fuels from contaminating the ground and watercourses. COSHH assessment to be available for the substances along with the control measures for its use, and any with first aid requirements.	Un	SH	Tol	Good personal hygiene to be adopted before eating or drinking. Correct disposal of rags or used absorbent granules. Toolbox talks. No naked flames/smoking in vicinity of fuels/greases.	Tol
17. Use of Hand - held Power Tools i.e.	Entanglement, hand –arm vibration, eye hazard form flying	Electric shock, fire, cuts, lacerations and burns. Vibration	Lky	ExH	**Intol**	Whip leads and air fuses are to be used on pneumatic hoses, rotation of task (to minimise exposure to	Un	ExH	Sub	GBM or client hot works permit to be issued	Tol

Topic of Concern / activity	Identified Hazards	Associated Risk	Assessment pre controls			Existing Controls (Engineering/ Managerial)	Assessment post controls			Additional or proposed controls	Residual Risk Level
			LF	SF	RL		LF	SF	RL		
pneumatic drill/chisels, electric drills, disc cutters, etc	particles, noise, dust. Explosion when used near flammable liquids or gases, electrocution.	white finger, stress. Tinnitus or temporary threshold shift & WRULD.				vibrating tools). Provision and use of PPE & RPE. Protect trailing cables. 110 volt tools to be used and must have been tested for electrical safety (PAT). Good housekeeping to be adopted along with good lighting. Extinguishing medium to be at hand.				where disc cutters are used. Equipment to be fit for use and comply with PUWER 98. Employee exposure from plant with a vibration magnitude to be recorded.	
18. Hot cutting in demolition / dismantling areas	Fires & explosion. Inhalation of dust & fumes. Noise, manual handling. Hot works. Fumes from Steel coated with lead paints. Asphyxiation. Combustion of volatile metals	Burns, respiratory disease, absorption / ingestion. Lacerations, sprains and strains. Major injury or death.	Lky	ExH	**Intol**	**No Oxy-Propane gas cutting equipment is to be brought to site until a specific requirement for its use has been identified and specific RAMS produced that are agreed by the Trust Fire Advisors.** LPG & Oxy to be tested for leaks using a leak detection spray before use, flashback arrestors to be fitted, inspect hoses for damage before use. Eating, drinking & smoking prohibited. High standards of personal hygiene to be adopted, washing and changing must take place before eating or drinking. PPE & RPE- flame retardant overalls, gauntlets and safety boots along with a suitable powered helmet respirator with the pre-filter changed daily. A portable extinguisher or charged hose is to be at hand with dedicated man on fire watch at all times. Housekeeping to be maintained to a high standard with no flammable substances in the work area. LPG to be stored in a ventilated storeroom at the end of the shift at least 3 metres from any	Un	ExH	Sub	Hot works compound to be established along with safety signs. Works to take place in line with method statement & risk assessment and controls on hot works permit. Good manual handling to be adopted. The burner will undergo medical surveillance during the course of the works and will attend a medical to establish his blood-lead levels in line with the Control of Lead at Work Regs 2002.	Tol

Topic of Concern / activity	Identified Hazards	Associated Risk	Assessment pre controls			Existing Controls (Engineering/ Managerial)	Assessment post controls			Additional or proposed controls	Residual Risk Level
			LF	SF	RL		LF	SF	RL		
						building. A thorough examination of the hot working area must be made 30 minutes after conclusion of each period of work. Operatives to be aware of potential stored energy in bent metal and to select cutting point accordingly. Identification of metals from plant specification or by using Niton XLt unit				All volatile metals including titanium and its alloys should be removed using cold cutting methods and segregated prior to the commencement of any hot works	
19. Working on uneven floors or poor ground conditions	Slips, trips and falls on the same level. Collapse of underground voids or excavations. Access & Egress & poor lighting.	Sprains & strains, broken bones, cuts and bruising.	Un	H	Mod	Good housekeeping to be maintained with pedestrian routes kept clear at all times. Installation and maintenance of good lighting. Infill or plating of any voids and the provision and use safety footwear.	Hu	H	Tol	Toolbox talks, maintenance of PPE and access.	Tol
20. Working outdoors on demolition projects.	Sun / glare, high winds. Cold temperatures. Displacement of tools or materials from height. Reactions of workers much slower. Stress. Slippery conditions.	Being struck by an object from height or falling from height. Slips, trips & falls. Head injury. Sprains & strains. Blisters, sunburn, Skin cancer. Hot & cold injuries.	Lky	H	Sub	Works to cease at height if high winds occur. External works to cease in extreme weather e.g. driving rain, snow, ice, cold, high winds, gritting to be considered. Provision and use of suitable high visibility wet weather clothing. As well as protecting against the possibility of sunburn & the long-term risk of skin cancer, a long sleeve top must be worn and will provide protection against minor cuts, abrasions, dusts, the sun and some chemicals. Protective creams.	Un	H	Mod	Toolbox talks on hot & cold injuries and the effects of being exposed to sun & UV radiation, Posters, memo. Supervision.	Tol
21. Disturbing Bee or Wasps/Hornets nests.	Stings from Bees, Wasps or Hornets.	Stings, anaphylactic shock.	Un	SH	Tol	Check bushes and tree canopies for nests before starting work. Ask for medical conditions /allergies at inductions and daily safety briefings – be aware of the possibility that anybody stung may fall quickly into anaphylactic shock. Where operatives have an allergy or	Hu	SH	Triv	Ensure emergency procedures are to be put in place to cope with anaphylactic shock where	Triv

Topic of Concern / activity	Identified Hazards	Associated Risk	Assessment pre controls			Existing Controls (Engineering/ Managerial)	Assessment post controls			Additional or proposed controls	Residual Risk Level
			LF	SF	RL		LF	SF	RL		
						condition carefully consider tasks/operations.				operatives have an allergy	
22. Eye Injury	Corrosive chemicals. Grinding & cutting operations. Airborne particles and dust from various activities. Dust, sparks, glare, radiation & hot sparks.	Chemical splash. High speed flying fragments or particle entering the eye. Eye injury, loss of site (temporary or permanent).	Lky	ExH	**Intol**	Light eye protection to BS EN 166-F is mandatory on all projects. When using Abrasive wheels eye protection to BS EN 166-B (goggles/face shield) will be issued and worn. Burners are to wear eye protection to BS EN 175 / 169. Provision of information, instruction, training & supervision. COSHH assessments are to be available and	Un	ExH	Sub	Toolbox talks on the use and care of eye protection. Client or GBM PTW.	Tol
23. Fires and Explosion	Naked flames & heat generated from hot works, external sparks, hot surfaces, static electricity, smoke and oxygen depletion, Trespassers & Arson	Fire, Burns, explosion, asphyxiation & death.	Lky	ExH	**Intol**	Fire & emergency arrangements to comply with Regulations 38, 39, 40, 41 of the Construction Design & Management) Regulations 2015. Hot works to take place in designated area, all flammable materials are to be removed with a dedicated fire watch in place at all times. The area is to be monitored after work ceases. A thorough re- examination of the hot working area must be made 30 minutes after conclusion of each period of work. Good housekeeping to be maintained. Flammable substances to be securely stored.	Un	ExH	Sub	GBM or client hot works permit is to be issued. Toolbox talks, supervision. Suitable portable fire extinguishers (in date) or a charged hose dependant on operations are to be available adjacent to work area. No hot works are to be carried out on vessels/equipment that contains titanium or titanium alloys.	
24. Health Hazards	Organic solvents, Asbestos, Cement, Wood Dust, Tetanus, leptospirosis, legionnella &	Liver & kidney failure, sensitised, respiratory disease, inflammation of eyes, nose & throat. Asthma. Skin	Lky	ExH	**Intol**	Works to be undertaken as per method statement & risk assessment. Provision and use of PPE & RPE. Asbestos abatement works are to take place by a HSE licensed asbestos contractor and	Un	ExH	Sub	Toolbox talks on health hazards. Exposure times to be monitored.	Tol

Topic of Concern / activity	Identified Hazards	Associated Risk	Assessment pre controls			Existing Controls (Engineering/ Managerial)	Assessment post controls			Additional or proposed controls	Residual Risk Level
			LF	SF	RL		LF	SF	RL		
	Psittacosis (pigeon droppings).	disorders, cancer and Pneumonia.				suitably trained operatives in line with CAR 2012. Good personal hygiene to be adopted with adequate welfare facilities provided on site. First aid arrangements to be provided on site with all flesh wounds immediately cleaned & covered. Avoidance of water temperatures between 20 degree C & 45degreeC. COSHH assessments to be undertaken.					
25. Trespass by unauthorised personnel. Visits by authorised personnel who are considered vulnerable.	Slippery and uneven surfaces. Exposure to falling. Hazardous substances, plant, electricity, falling objects, dust noise and flying particles.	Slips trips falls, sprains strains, serious injury and death.	Un	ExH	Subs	Strict Exclusion Zone to be enforced. Warning notices to be erected to advise of danger areas and requirement for use of PPE for (authorized visitors). Site gates to be kept closed at all times unless open for access of plant & pedestrians at which point they are to be manned at all times. During non- working hours the site and equipment will be secured with plant immobilized & keys removed, scaffolds secure with ladders boarded. Fuel tanks will be padlocked and the welfare facilities secured. Use local environmental cleaning specialist to survey for and remove all used syringes and wastes. All excavations/pit/voids are to be suitably fenced with the appropriate warning signage or covered with plates where possible.	HU	ExH	Mod	Good site lighting. Visit local schools and highlight hazards of the site. Authorized personal to be issued with PPE and escorted around the works by site management. Use of site security staff to be considered.	Tol
26. Storage of hazardous substances, fuel and materials	Escape/ spillage	Fire, explosion, Liver & kidney failure, sensitised, respiratory disease, inflammation of eyes, nose & throat.	Lky	ExH	**Intol**	**Specific RAMS are required for Petroleum Spirits and LPG and approved by the trust fire advisors, the RAMS must show no viable alternative is available.** Provision and use of PPE & RPE. All	Un	ExH	Sub	Provision of information, instruction, training & supervision. Toolbox talks.	Tol

Topic of Concern / activity	Identified Hazards	Associated Risk	Assessment pre controls			Existing Controls (Engineering/ Managerial)	Assessment post controls			Additional or proposed controls	Residual Risk Level
			LF	SF	RL		LF	SF	RL		
		Asthma. Skin disorders, cancer, death.				storage to be undertaken in accordance with detailed instructions. The storage compound is to be secure, all fuels are to be contained within a bunded or approved double skinned tank and oils and chemicals are to be stored in suitable labelled containers and in a specific for purpose cabinet, bund or on drip trays with oil separator pads. Good personal hygiene to be adopted with adequate welfare facilities provided on site. First aid arrangements to be provided on site. COSHH assessments to be undertaken. Suitable in date fire extinguishers to be available adjacent to storage area.				Only authorized personnel are permitted access to storage area.	
28. Collection of waste and scrap skips from demolition sites.	Vehicle movement. Unstable load. Reversing, poor vision. Noise, fumes & dust. Uneven road surfaces.	Crush injury, head and upper body injury. Collision with structures on the site, pedestrians or other site vehicles. Objects falling from vehicle.	Lky	ExH	**Intol**	Supervision of vehicle manoeuvres. Reversing alarms, high visibility clothing worn by those in the work area, trained and competent drivers, visible banksman, mirrors to be kept clean, driver to move from cab before vehicle is being loaded. Park on good even ground. Site traffic management, (separation of pedestrians and vehicles one way system, speed limit on site) to be implemented. Skips are not to be overloaded and sheeting is to be used on vehicles. Mandatory site PPE to be worn by all drivers.	Un	ExH	Subs	Vehicles should be well maintained, fitted with flashing beacons and reversing alarms. Provision of instruction training and supervision. Tool box talks.	Tol
29. First Aid Provision	Movement of plant. Slips, trips & falls. Working at height. Fire. Contact with underground services. Manual handling. Sharp	Sprains, strains, lacerations, burns and serious bodily harm.	Lky	H	Subs	All projects must have in place emergency procedures with the names of the first aiders posted on site notice boards along with details of the nearest A&E. A first aid box/s & eye wash station/s are to be made available at	HU	SH	Tol	Emergency and first aid provisions to be explained to all site personnel during the site induction.	Triv

Topic of Concern / activity	Identified Hazards	Associated Risk	Assessment pre controls			Existing Controls (Engineering/ Managerial)	Assessment post controls			Additional or proposed controls	Residual Risk Level
			LF	SF	RL		LF	SF	RL		
	edges of rebar. Noise, dust, vibration. Fuel spillage .Hot surfaces. Pedestrian movement. Health hazards.					prominent positions on the project. The first aid box and eye wash stations must be kept well stocked and inspected weekly ensure supplies remain adequate. Medicines and home remedies, aspirin, & paracetomal must not be kept in the first aid box. First aiders must not give medicine to anyone. It should be noted that completion of the accident book does not meet GBM's obligation to report specific accidents and dangerous occurrences to the HSE, See GBM Health, Safety and Environmental Manager. Operatives are to follow the requirements of task method statements risk assessments and COSHH assessments.				Provision of suitable PPE, information, instruction, training & supervision.	
30. **Mobile scaffolding**	Operatives falling from height, dropping of materials or tools. Vehicle or pedestrian collision. Failure of equipment.	Falls from height, trap, struck, serious injury	Lky	ExH	**Intol**	All scaffolds are to be erected and deconstructed by/or under the supervision of a PASMA trained operative and then inspected by them prior to use. With a current scaffold tag in place. The scaffold must have suitable toe boards, guard rails and intermediate rails to prevent people or materials falling with adequate access and egress and is to be erected with a suitable base to height ratio with stabilisers in place as stated by the manufactures instructions. Where there is a risk from collision by pedestrians or vehicles an exclusion zone should be set up.	UN	ExH	Subs	GBM are to issue a PTW. A banks man is to be at ground level where space is restricted or heavy traffic is foreseen, all personnel are to wear the correct PPE with chin straps to be used on hard hats when working outdoors. Provision of information, instruction, training and	Tol

Topic of Concern / activity	Identified Hazards	Associated Risk	Assessment pre controls			Existing Controls (Engineering/ Managerial)	Assessment post controls			Additional or proposed controls	Residual Risk Level
			LF	SF	RL		LF	SF	RL		
										supervision.	
32. Unloading of company vehicles	Lifting, pulling, pushing, carrying, moving a load by bodily force. Poor posture during a lift, dropping a load and sharp edged loads.	Muscular sprains and strains, crush, trap, pinch back injuries. Cuts, bruising & abrasions. WRULD.	Lky	H	Subs	Avoid manual-handling operations so far as is reasonably practicable by using mechanical means. Manual handling risk assessment must be carried out before any manual handling takes place. Use two-four people where possible to move awkward or cumbersome loads don't use more than for people as co-ordinating the lift becomes harder and never struggle. Adequate lighting is essential along with clear and unobstructed pedestrian routes. Correct selection and use of PPE.	UN	HU	Mod	Provision of information, instruction and training and supervision of personnel in correct lifting techniques.	Tol
33. Driving of company vehicles	Other road users, weather, vehicle condition, drivers experience & ability. Personal factors i.e. fatigue, stress worries	Reduced concentration, poor visibility, inexperience. Contact with traffic in the event of a breakdown or accident.	Lky	ExH	Subs	Ensuring all drivers hold the relevant licence for the type of vehicle they are to use. All users are aware of basic vehicle care such as oils and levels, tyre pressures etc and check these prior to taking the vehicle to help minimise the chance of breakdown. The carrying of hi-vis vest or jacket for use in the event of a breakdown. Provision of night before travel and accommodation instead of extended travelling and work hours.	UN	H	Subs	Where possible for long journeys have two personnel who are able to share the driving, ensure all time scales and deadlines are reasonable, to minimise fatigue or speeding. Additional training of personnel who are inexperienced or at high risk due to high mileage. Provide information, instruction and training on vehicle	Tol

Topic of Concern / activity	Identified Hazards	Associated Risk	Assessment pre controls			Existing Controls (Engineering/ Managerial)	Assessment post controls			Additional or proposed controls	Residual Risk Level
			LF	SF	RL		LF	SF	RL		
										maintenance and breakdown procedure.	
34. Vibration	Vibration from the use of tools with a vibrating, rotary or percussive action	Hand arm vibration syndrome, Vibration white finger VWF	Lky	ExH	**Intol**	Alternate methods are used where possible. All equipment is maintained as per the provision and use of work equipment regulations. Provision of PPE and clothing to protect employees from the cold and damp. Rotation of operatives minimising time on tools. The provision/hire of tools & equipment with low m/s ratings where reasonably practicable.	UN	H	Subs	Constant health monitoring of all personnel, and exposure levels. Information, instruction, training and supervision of all employees at risk on the correct use, handling and exposure limits. Commitment to exchange current tools with low vibration technology as replacements are required.	Tol
38. Sharps and Needlestick Injuries	Cuts and puncture wounds from needles, syringes, broken glass, razor blades or similar.	Infection from contaminated sharps	Lky	H	Subs	Site Manager to inspect site and arrange removal if found using disposable tongues stout rubber gloves and sharps box Report any puncture wounds to Site Manager.	HU	SH	Tol	Risk assessment for particular site to be communicated at induction. Do not put hands into chambers, voids, furniture or other places where sharps could have been deposited. If injury sustained,	Triv

Topic of Concern / activity	Identified Hazards	Associated Risk	Assessment pre controls			Existing Controls (Engineering/ Managerial)	Assessment post controls			Additional or proposed controls	Residual Risk Level
			LF	SF	RL		LF	SF	RL		
										encourage wound to bleed, wash under cold running water, cover with dry dressing and seek medical advice	
40. Environmental issues	Escape/Spillage of oils and substances. Waste materials from workshop and office areas.	Contamination of the ground or watercourses. Disposal of waste products oils paints etc. Environmental damage through sending waste to landfill	Lky	H	**Intol**	Recycling and/or reuse of all materials where possible to reduce the site environmental impact. The segregation of waste oils and empty containers, along with the use of drip trays in storage areas and the use of spill kits in the event of leakages. Use of specialist waste disposal contractors.	U	SH	Mod	Better facilities for the storage of waste products in the elements including a covered area to prevent the risk of contamination and run off during wet weather. Clearly marked and separate bins for the disposal of contaminated waste materials. I.e. rags, spill kits.	Triv
41. House keeping	Slips, trips and falls.	Muscular sprains, strains and fractures.	Un	H	Mod	Removal of and trailing cables from near walkways. Suitable storage provisions and waste receptacles. Daily clean of cabin areas by operatives	HU	SH	Tol	Provision of information, Instruction, training and supervision. Management to monitor standards of housekeeping.	Triv
44. Excavating around buried services	Electricity, gas, oil, water, radiological.	Fire, explosion, flooding, electrocution, pollution,	Lky	ExH	**Intol**	GBM will be in possession of all available information with regards to services both redundant (legacy), isolated and live.	Un	H	Mod	Provision of information instruction, training &	Tol

Topic of Concern / activity	Identified Hazards	Associated Risk	Assessment pre controls			Existing Controls (Engineering/ Managerial)	Assessment post controls			Additional or proposed controls	Residual Risk Level
			LF	SF	RL		LF	SF	RL		
		contamination.				All excavations are carried out under the clients/GBM excavation or specific task works permit and inspected by their representative. Isolation certificates, service drawings, method statements, risk assessments and permit to work must be on site before any works commence. The site manager and/or a competent person are to have highlighted the services using the drawings and CAT. These are then to be marked on the ground using line marker paint in the same colour as the drawing key. Excavating for both identified and suspected services is to be carried out using the safe digging technique as follows: • A process of CAT scanning, hand digging to a depth of 100-200mm then removing to this depth with the machine bucket is to be adopted around the location of all know or possible services. • • The CAT must have an in date calibration and be used by a suitably trained operative.				supervision of all personnel involved. Insulated hand tools and a suitably sized excavator are to be used. The smallest excavator suitable for the task at hand is to be used overly large excavators will remove the delicacy needed for this operation.	
47. Operating crushers / screeners	Operator error Mechanical failure Instability/ subsidence	Injury through unfamiliarity / lack of training Unexpected start up	Lky	H	**Intol**	Only trained & authorised persons to use / operate crusher / screener in accordance with manual. Before using any equipment ensure that it is	HU	SH	Tol		

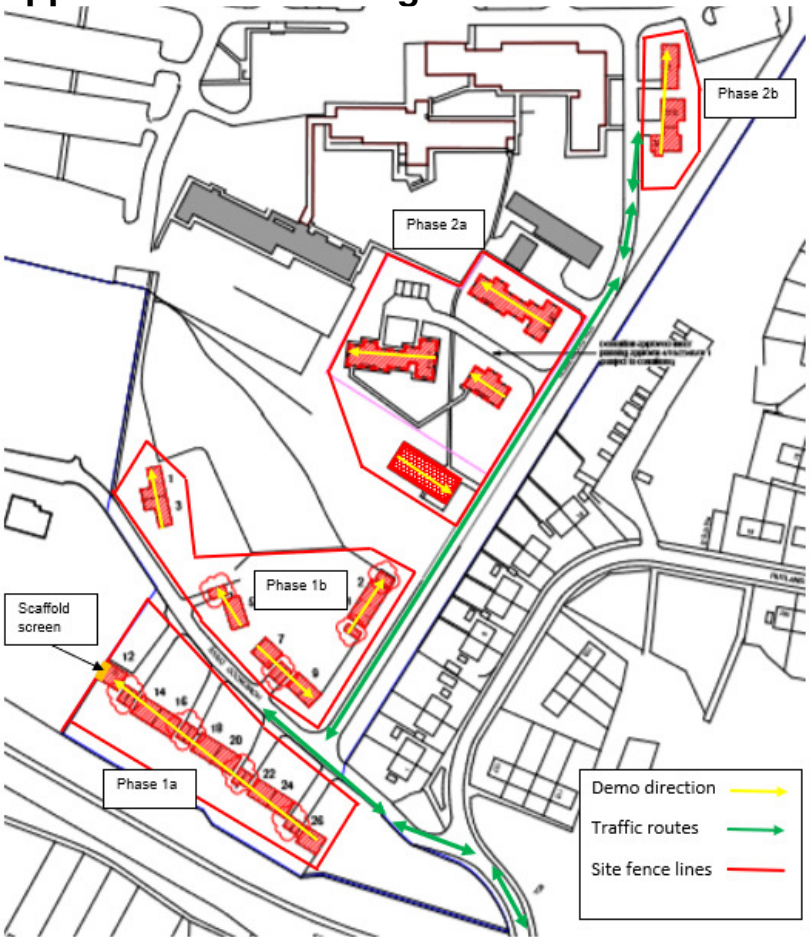
Topic of Concern / activity	Identified Hazards	Associated Risk	Assessment pre controls			Existing Controls (Engineering/ Managerial)	Assessment post controls			Additional or proposed controls	Residual Risk Level
			LF	SF	RL		LF	SF	RL		
	Contact with moving parts Dust Noise Mobile plant / vehicles in area Housekeeping Work at height	Falls from height Overturn / trapping Entanglement Respiratory diseases / health issues Industrial deafness Collisions Slips / trips / falls Falls, falling objects				in good working order & all the controls function correctly. Any problems must be reported to supervision. Do not climb on the machine. Always use walkways / platforms provided or an approved safe and secure platform. If access is required to high level areas fall prevention/protection must be in place. Ensure guards are in a good condition, do not remove any guard unless equipment isolated. Emergency stop positioned for use in an emergency. Stop crusher/ screener before attempting to clear any blockages. Plant outside & ventilated. Dust masks available (users trained in use) & to be worn at all times if adjacent to plant & dust visible. Water suppression to be used to reduce dust levels if required. Hearing protection to be worn whilst plant in operation Wear high vis at all times. Do not stand between crusher / screener and any reversing vehicle coming under elevator. Report any unsafe operators. Speed limit 5mph. Plant fitted with beacons & motion indicators. Ensure there is adequate clearance for the loading machine to slew. Do not approach the excavator or crusher/screener unless the operator has acknowledged that it is safe to continue. Persons to use access platform provided only for access when crusher isolated. Do not stand on platform when crusher being loaded. Area around crusher to be kept clear of non-essential					

Topic of Concern / activity	Identified Hazards	Associated Risk	Assessment pre controls			Existing Controls (Engineering/ Managerial)	Assessment post controls			Additional or proposed controls	Residual Risk Level
			LF	SF	RL		LF	SF	RL		
						personnel. All personnel to be kept clear of reject grid and conveyers whilst machine operating. Hard hats worn by all personnel at all times. Ensure all equipment/tools are removed off the machine prior to operation unless secured.					
48. Operating telehandlers	Operator error Collision Floor failure Mechanical failure Other persons Trapping	Overturning Overloading & Loss of load Striking other plant / personnel Overturning Explosions, fire, defects Collision with pedestrians Crush injuries / amputation	L	EH	**Intol**	Only trained, competent, certified & authorised personnel are to operate plant. Ensure plant is fit for use, carry out pre-use check, record findings. Report any problems. Drive at a speed consistent with conditions, but always within the prescribed speed limit; avoid sudden braking, striking obstructions, operating on an incline. Carry loads as low as is possible. Cross rails, kerbs & gullies slowly & wherever possible diagonally. Never lift a load using one fork arm. Never attached chains / straps to forks, only designed lifting frame. Always wear seat belt. Never exceed max lifting capacity of the truck & in no circumstances should counter-weight be added to increase its load carrying capacity. Never stack at an unsafe height. Ensure that the load weight is equally distributed on both forks. Do not operate the truck with an unsecured load. Ensure adequate clearance around truck when lifting & travelling. If vision obscured travel in reverse or seek assistance from Banksman. Use beacons and reversing alarms / CCTV. Ensure motion indicators are working. Drive carefully & slowly when pedestrians are about, never	HU	H	Tol		Tol

Topic of Concern / activity	Identified Hazards	Associated Risk	Assessment pre controls			Existing Controls (Engineering/ Managerial)	Assessment post controls			Additional or proposed controls	Residual Risk Level
			LF	SF	RL		LF	SF	RL		
						trap a person so they have no means of escape. Always remember that it is the driver's responsibility to be aware of pedestrians Do not place arms, legs, hands or head between working parts of the truck. Always keep to the confines of the cab. Never allow anyone to stand or walk beneath the fork arms.					
50. Covid 19 (Coronavirus)	Spread of Covid-19 Coronavirus	Potentially fatal health issues spread to Staff, Visitors, Contractors, Drivers, Vulnerable groups (Elderly, Pregnant persons, those with existing underlying health conditions)	Lky	H	Intol	**Symptoms of Covid-19** Posters informing staff of symptoms displayed and included in induction. Anyone with symptoms to report to site supervisor immediately and isolate in accordance with Government guidance. **Hand Washing** Hand washing facilities with soap and hot water in place. Stringent hand washing taking place. Paper towels/hand dyers for drying of hands. Gel sanitisers in any area where washing facilities not readily available. **Cleaning** Frequently cleaning & disinfecting tools, equipment and surfaces that are touched regularly particularly in areas of high use such as door handles, light switches, reception area using appropriate cleaning products and methods. **Social Distancing** Reduce the number of persons in any work area to comply with the 2-metre (6.5 foot) gap recommended. Stagger start & finish times, work	Un	H	Mod	Posters, leaflets, TBTs & other materials are available for display. Rigorous checks will be carried out by supervision to ensure that the necessary procedures are being followed. . Staff to be reminded on a daily basis of the importance of	

Topic of Concern / activity	Identified Hazards	Associated Risk	Assessment pre controls			Existing Controls (Engineering/ Managerial)	Assessment post controls			Additional or proposed controls	Residual Risk Level
			LF	SF	RL		LF	SF	RL		
						from home where possible to reduce number of workers on site. Redesign processes to ensure social distancing in place. Conference calls used in place of face to face meetings. Ensure sufficient welfare facilities to ensure social distancing adhered to in canteen area and smoking area. **Drivers** Delivery drivers to remain in cab wherever possible, if exit maintain social distancing Persons not to share vehicles or cabs, where suitable distancing cannot be achieved. **Mental Health** Management will promote mental health & wellbeing awareness to staff during the Coronavirus outbreak and will offer whatever support they can to help				social distancing both in the workplace and outside of it. Supervision checks to ensure this is adhered to.	

Appendix 9: Site Management Plans



Above – Plan showing locations

Note: Individual Site management plans to be drawn up ahead of each phase.