

GREEN HAUS LIMITED

Construction Phase Health, Safety & Environmental Plan

4 West Avenue, Stainforth, Doncaster, DN7 5EB

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INTRODUCTION

This site specific Construction Phase Health Safety & Environmental Plan (CPHSE) has been developed in accordance with the requirements of the Construction (Design and Management) Regulations 2015 by Green Haus Ltd whilst undertaking the role of Principal Contractor.

The purpose of the plan is to provide the Client and our contractors with information relating to the project and to give details of Green Haus Ltd and arrangement procedures for the management and prevention of Health, Safety & Environmental (HS&E) risks which are known to exist or which may be encountered on this project.

This plan is intended to provide the focus for the management and co-ordination of HS&E issues as the project evolves. Therefore, the plan may need to be developed or amended in light of changing circumstances and standards achieved on site or as the construction work progresses. Reviews of parts of the plan may also need to be made following any design changes, alterations or unforeseen circumstances or if variations to planned events arise.

This development will be achieved by the site specific CPHSE Plan being reviewed for its effectiveness by Green Haus Ltd Site Contractor/Manager and Health and Safety on a periodic basis. Proposed review periods and initial dates will have been agreed prior to “signing off” this plan.

A 1 **GENERAL DESCRIPTION OF PROJECT**

1.1 **Project Description**

The project is a phase 1 build to a pair of bungalows. Timber Frame construction with felt/batten/tile roof and brickwork built up to eaves/pike levels. Concrete slab designed to support domestic use only. Parking areas for domestic residential use only. Design to allow for PV installation to the new roof. Landscaping to complete the scheme.

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1.2 Project Location

Located on
Land between 27 and 41 Aspinall St, Heywood OL10 4HL

1.3 Project Statement

Green Haus Ltd intend to carry out all the work listed above within the contract time scale to the design and specification set out in the contract documents. Green Haus will do this with due regard to the surrounding environment and to the welfare of site personnel and without putting at risk their health and safety and that of others who may be affected by the project, particularly the clients personnel and other members of the public. Should any disturbance occur to adjacent property during the course of the works, operations will cease and the nominated Client contact will be consulted prior to work proceeding.

Green Haus also recognise that our activities and those of our contractors, should be carried out with an understanding and awareness of environmental issues. Green Haus will therefore actively seek to reduce any adverse impact on the environment to levels that are reasonably practicable to attain by implementing high standards of pollution control and care for the local environment.

To this end we intend to carry out our works in accordance with the contract programme of work unless design changes or unexpected complications require the programme to be amended. If any amendments are required the changes will be fully documented and the Client & Principal Designer advised.

1.4 Project Directory.

Client		Contact	Email	Phone
Site Address	Land between 27 and 41 Aspinall Street, Heywood OL10 4HL	Green Haus Ltd	brett@green-haus.co.uk	07470 476506
Health and Safety Executive	Redgrave Court, Merton Rd, Bootle L20 7HS			
Project manager		Brett Whitwood	brett@green-haus.co.uk	07470 476506
Architect	AJC Associates Architects 176 Drake Street, Rochdale, Lancashire OL16 1UP	TBC	TBC	TBC

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Structural and Civil Engineers				TBC
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PRINCIPLAL CONTRACTOR				
Director	4 West Avenue, Stainforth, Doncaster, DN7 5EB	Brett Whitwood	Tel: 07470 476506	brett@green-haus.co.uk
Director		Brendan Neil		brendan@green-haus.co.uk
Contractor Project Team:	Green Haus Ltd	Brett Whitwood Project manager		
		Brendan Neil Project Manager		
		TBC H & S		

EMERGENCY CONTACT DETAILS				
Local Authority	Rochdale Borough Council		01706 647474	
Police		0161 856 8530	Tel: 999	
Fire Authority		0161 909 8626	Tel: 999	
Nearest A&E Hospital	Fairfield Hospital, Bury	0161 624 0420	Tel:	

STATUTORY UNDERTAKERS EMERGENCY CONTACT DETAILS				
Electric	Electricity Northwest.		Emergency Tel No: 0800 195 4141	

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Gas	National Grid		Emergency Tel No: 0800 111 999	
Water & Public Sewers	United Utilities		Emergency Tel No: 01925 237 000	
Telecom	Openreach		Emergency Tel No: 0800 023 2023	

1.5 Health & Safety Statement & aims for this project

The health and safety objectives of this project are to carry out all construction works within the agreed contract period, to the specified standards, without putting any persons' health and safety at significant risk. All parties involved in this project must aim to achieve the following goals:

- No fatalities
- No major injuries
- No dangerous occurrences
- No exposure to substances and processes hazardous to health
- No third party claims for damage or injury
- No reportable accidents

The main objectives are

- Safety duties are clearly defined and accepted.
- Hazards are identified, risks assessed, eliminated where practicable, or reduced to an acceptable level.
- Safe Systems of Work are implemented.
- Safe and healthy working conditions are maintained.
- To promote a positive health and safety culture within all parties, including "consideration for others" to prevent, as far as is reasonably practicable, nuisance and disturbance to visitors, adjacent property owners and the public in general.
- Accident Statistics are maintained and corrective / preventive action taken where required.
- Management and employees look after themselves and others who may be affected by their acts or omissions at work.
- Management and employees co-operate with each other to achieve the Company's Health, Safety, and Welfare objectives
- Management and employees are competent to carry out their duties safely and will provide adequate resources for the safe execution of the project.
- To develop a good "neighbour" policy philosophy by ensuring good consultation with property and landowners as the project progresses along the track.

A 2 EXISTING OFF-SITE CONDITIONS.

2.1 Surrounding Land Uses and Restrictions

Residential	Nearest Private housing is circa 6m from site boundary on 2 sides.
Hotel	N/A
Hospital / Medical Practice	N/A
School / College / University	N/A
Church / Community Centre	N/A
Public car parking	Car parking layby on Aspinall Street opposite site boundary – circa 8m from boundary.
Retail / Commercial Outlets	Local ALDI & TESCO EXPRESS outlets not within 300m
Industrial/ Engineering / Manufacturing Unit / Factory	Engineering storage yard adjacent to Plot 1 (phase 2)
Office accommodation	N/A
Substation / Transformers	N/A
Petrol Station(s)	N/A
Land Fill Site	N/A
Waste Transfer Sites	N/A
Canals / Rivers / Streams / Brookes	N/A
Reservoirs / Lakes / Ponds	N/A
Other	

2.2 Existing Traffic Systems, Features and Restrictions

EXISTING TRAFFIC SYSTEMS AND FEATURES	RESTRICTIONS/ HAZARDS ARISING FROM EXISTING TRAFFIC SYSTEMS OR FEATURES
Roads	The site is flanked by Aspinall Street on the front side, Townrow Street on one side and Dewhurst Street on the other. Townrow street and Dewhurst Streets are used very little. Dewhurst St is a cul de sac.
Cycle Ways	N/A
Bridleways	N/A
Footpaths	Dewhurst street has a 700mm wide footpath opposite of site.

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Railways / Trams / Underground / Metro link	N/A
Other	

2.3 Planning Restrictions. (including Local Authority / Environment Agency Restrictions)

Working hours are:

- 07.30 to 18.00hrs Monday to Friday
- 08.30 to 14.00 hrs Saturday
- No works to be undertaken on Sundays and Bank Holidays without agreement with MCC

2.4 Neighbouring Contractors

- At present, there is no construction work ongoing in neighbouring businesses.

A3 EXISTING ON-SITE CONDITIONS

3.1 Existing underground services information:

SERVICE/PROVIDER	INFORMATION SOURCE AND NOTES ON SERVICES
Electricity	N/A
Water	N/A
Gas	N/A
Telecommunications	N/A
Cable T.V.	N/A
Drainage	N/A
Other	

3.2 Existing overhead services information

SERVICE PROVIDER	INFORMATION SOURCE AND NOTES ON SERVICES
Electricity	N/A
Telecoms	N/A. Telecom line from post situated adjacent to site boundary corner on Aspinall St/Dewhurst St. and spanning diagonally across Dewhurst St (outside site boundary)
Gas	N/A
Other	N/A

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3.3 Existing Buildings / Structures or Plant

N/A

3.4 Existing Ground Conditions, Hazardous Substances and Site Surveys

The following table abstracts points arising from surveys and information available to date. All risk assessments and methods of work should be based on the detailed surveys and report findings or if appropriate additional investigative work.

Drawings and/or information referenced in the above are available for inspection on request.

ENVIRONMENTAL INFORMATION – PUBLIC REGISTER / RECORDS	
Discharge Consent(s)	N/A
Abstraction Licences(s)	N/A
Licensed Waste Management Sites	N/A
Exempt Waste Management Sites	N/A
Geotechnical & Geo environmental Interpretative	N/A
Pollution Incidents	N/A
Combined Sewer Overflows	N/A

EXISTING HAZARDOUS MATERIALS/SUBSTANCES	
Asbestos	N/A
Radioactive	N/A
Lead	N/A

A4 PROJECT SPECIFIC SITE LOGISTICS PLAN

Green Haus Project/Site Manager will ensure that a detailed Site Logistics Plan is produced see Appendix L. This plan is subject to be periodically reviewed, maintained and displayed on the Site's Information Board throughout the duration of this project. Information contained on this drawing will include, but is not limited to:

- Public roadways connecting to the site
- Public footpaths adjacent the site
- Temporary fencing
- Layout of construction project

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- Location of office compound, toilet and welfare facilities (Including First Aid, Fire Escape Routes and Fire and bomb Muster Points etc.)
- Fire plan
- Proposed contractor laydown areas etc.
- Routes for delivery drivers to loading / unloading areas
- Proposed pedestrian route from welfare facilities on to site
- Proposed site traffic routes and pedestrian crossing points

A5 MANAGEMENT AND ORGANISATION FOR PROJECT

5.1.1 Communication and Co-operation

5.1.2 Communicating and Passing of Information

A copy of the CPHS Plan or the relevant sections will be sent to all sub-contractors tendering for work on this project. As and when more information becomes available and / or following the development or review of the CPHS, Green Haus will undertake to pass this on to all sub-contractors affected by the revisions. These revisions will be forwarded to sub-contractors under cover of a Green Haus Transmittal Form / Covering Letter. Once revised plans or sections of plans have been issued to sub-contractors, it will be their responsibility to ensure that obsolete information and data are promptly removed from their point of control

5.1.3 Co-ordination and Co-operation of Sub-Contractors

The general co-ordination of sub-contractors activities will be planned and agreed by Green Haus and the sub-contractor works is demonstrated through the project programme. Detailed co-ordination of work activities being undertaken by groups of sub-contractors working in the same or similar vicinity will be achieved by holding regular co-ordination meetings between the relevant sub-contractors or at each sub-contractors' progress meeting. The first item on either agenda will be HS&E related items and use.

A6 ACTIVITIES WITH RISK TO HEALTH, SAFETY & ENVIRONMENT

6.1 Risks Identified by the Principal Contractor

All activities, at any risk rating, require a site specific HS&E Risk Assessment and Method Statement to be produced by the direct employer of the person(s) carrying out the work. This must be provided to Green Haus prior to the work activity commencing.

Key high risk works are as follows:

1. Timber Frame – Full scope of works still to be agreed
2. Concrete works - Coshh
3. Deep excavations – Risk of collapse
4. Roof works- Fall risks
5. Risk assessments, method statements and COSHH assessments are scrutinised and once satisfied with the general arrangements and levels of safety management, the safe system will then be used to induct the individuals to site and their work.

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6. Where activities are classed as safety critical events (i.e. have a direct interface with members of the public and / or could cause multiple fatalities), this will be treated as a RED ALERT and a detailed review will be carried out by the Green Haus Health and Safety Advisers in conjunction with the Site Manager prior to any work commencing

6.2 Materials with Risks

Green Haus and its sub-contractors will ensure that where it is not possible to eliminate the hazards or environmental impacts associated with a material or process (i.e. by substitution) then adequate control measures will be implemented to minimise the potential risk to the operatives or the environment of using the material or process. This requirement will also extend to other site based operatives, Green Haus site staff and anyone else who may be affected by our operations who are working in the immediate vicinity.

All sub-contractors are required to provide Green Haus with copies of their Site Specific C.O.S.H.H. Assessments for all materials / substances to be used on the project, two weeks prior to commencing their works on site in accordance with their completed [Form-QS008](#).

Designer(s) for this project have not specified hazardous materials that will require HS&E measures when used in the construction of this project i.e. during handling, cutting, mixing, installing or disposal etc. Other common materials and substances used during construction may also present HS&E hazards requiring sub-contractors to carry out C.O.S.H.H. or other risk assessments and to introduce control measures. These are deemed to be within the normal experience of a competent sub-contractor and are therefore not listed.

6.3 GENERAL ARRANGEMENTS.

The following headings represent the general arrangements that Green Haus and its sub-contractors will implement and follow on this particular project. The list is not exhaustive and may be amended as the project progresses.

6.3.1 Storage and Distribution of materials.

Deliveries to the site will be off Aspinall Street, Townrow Street or Dewhurst Street. A banksman will be present during deliveries. Strict rules traffic management rules will be applied to protect the public from deliveries. The compound will be located within the site boundary but on Dewhurst Street . See Appendix L for site logistics plan.

Green Haus and its sub-contractors will ensure that the storage of all materials will be in agreed areas on site, as marked on the Site Logistics Plan, and that all loading / off loading of all materials will be kept strictly within the site boundary.

Green Haus and its sub-contractors will also ensure that all equipment and surplus (hazardous) materials are returned to designated storage facilities at the end each working shift.

6.3.2 Transport and Pedestrian Safety Management.

In order to maintain traffic / pedestrian safety Green Haus will plan the Site Logistics in such a way that, so far as reasonably practicable, pedestrians and vehicles can move safely and without risks to health and safety. Green Haus project/site manager will complete a Site Logistics Plan which will include authorised access points and traffic routes around site. A copy of the Site Logistics Plan will be posted on the Site Information Board(s). See Appendix L

Once on the site all personnel, delivery drivers and visitors etc. must stay strictly to the designated vehicle and pedestrian routes that are clearly marked on site and on

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the Site s Plan. Delivery schedules must be provided by each sub-contractor on a day-to-day basis with delivery times included. Deliveries which are outside the allotted times or are unannounced will not be allowed on site and turned away.

Drivers will be instructed to observe normal Highway Code requirements. A banksman MUST be present during all deliveries.

A temporary clearly identified pedestrian walkway will be implemented from the site office area to the site entrance. The walkway will be maintained throughout the project and will have adequate signage on display.

A banksman will be available to guide pedestrians away from vehicles making deliveries.

No on-site car parking, works cars to park outside the site perimeter.

Ample signage will be displayed to advise the public and operatives of the dangers and safe routes associated with the site.

Vehicle access will be via Dewhurst Street and Townrow Street..

Daily inspection will take place on the site fencing to ensure that they are intact. Should any mud be deposited on the roads a local road sweeper will be employed.

Traffic flow on Aspinall St must be maintained at all times as this is a thoroughfare.

Timings of deliveries must be staggered to prevent any queues forming on Aspinall Street where possible.

6.3.3 Control and Disposal of Waste.

Green Haus and its sub-contractors will ensure that measures are put into place and maintained in order to protect the environment and prevent pollution from occurring. All waste materials will be stored and disposed of (i.e. appropriate labelled skips) in accordance with the procedures / requirements appropriate to the circumstances of the project.

Sub-contractors are responsible for removing their own hazardous waste, e.g. used spill kits, used aerosols etc. Green Haus can provide a facility for hazardous waste collection if requested by the sub-contractor. Hazardous waste must NOT be placed in any general skip.

The skips will be located within the site compound during this project as shown on the logistics plan in Appendix L.

6.3.4 Noise Assessments, Manual Handling and Use of Vibrating Tools and Equipment Procedures. NOISE

Noise levels must be kept as low as possible

Green Haus and its sub-contractors will ensure that, where reasonably practicable, nobody on site is exposed to noise in excess of 80dB(A). Where noise levels are suspected to be at or above 80dB(A) the direct employer will be responsible for ensuring a suitable noise assessment is carried out. Suitable hearing protection must be made available to all affected personnel on request. Sub-contractors undertaking work that continuously exceeds the noise level of 85dB(A) hearing protection zones must be set up with clear warning signs positioned.

Completed Workplace Noise Assessments or Sub-contractors equivalent will be filed in the site H&S file.

On completion of the noise assessment Green Haus and its sub-contractors will provide relevant information, instruction and training to employees at risk from excessive noise levels.

Suppliers of plant will be required to supply guidance on anticipated noise levels.

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All compressors, percussion tools & vehicles will be fitted with effective silencers of a type recommended by manufacturers of the compressors, tools or vehicles.

Under Section 60 and 61 of the Control of Pollution Act 1989 permissible levels of environmental noise may have been stated by the local authority, in this instance the levels must be adhered to.

Except where expressly permitted, no operations which are audible at the adjacent noise sensitive buildings shall be carried on:-

Outside the hours of 07.30 hours to 18.00 hours Monday to Friday. 09:00-16:00 Saturday

No noise to be generated on Sundays and Bank holidays.

MANUAL HANDLING PROCEDURES.

Green Haus and its sub-contractors will take reasonable steps to eliminate all manual handling activities on the project. Where this is not reasonable, mechanical means of lifting will be provided. In cases where mechanical assistance cannot be provided and there is a medium or high residual manual handling risk, then a manual handling assessment will be completed by the site manager and/or the sub-contractor responsible. Manual handling assessments shall be communicated to all personnel involved in the activity and a record of that communication kept on file. Personnel involved in medium or high-risk manual handling activities will be trained in safe lifting techniques.

Completed Manual Handling Assessments, or Sub-contractors equivalent will be filed in the site H&S file.

USE OF VIBRATING TOOLS AND EQUIPMENT PROCEDURES.

Green Haus and its sub-contractors will, through the careful planning and design of the works, take reasonable steps to eliminate the need for vibrating tools and equipment to be used on site. Where this cannot be achieved equipment suppliers will be required to provide adequate information to allow Green Haus or its sub-contractors to carry out a suitable risk assessment. Affected personnel will be trained on vibration reduction techniques and, where appropriate, included in a health surveillance scheme.

Completed Vibration Exposure from Powered Hand Tools Assessments will be recorded in or Sub-contractors equivalent together with a daily record that operatives have not exceeded the 'exposure limit value' while on site. Completed records will be filed in the site H&S filing system. Where applicable evidence of health surveillance should be provided.

6.3.5 The Provision and Use of Temporary Services (e.g. electricity).

Portable equipment is defined as any equipment fitted with a power plug which can easily be moved. It includes electrical tools used on site e.g. drills, grinders etc. welfare based equipment e.g. kettles, fridges, microwaves ovens etc. and office based equipment e.g. computers, printers, photocopiers etc.

Routine inspection, testing and protective maintenance is essential for all portable electrical equipment at all locations. The frequency of inspections and / or tests should be commensurate with the conditions in which the equipment is used and the usage of the equipment.

As a minimum Portable Equipment used on site and in temporary site cabins should be inspected and tested at three monthly intervals.

All electrical powered hand tools will be 110volt equipment

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Portable Equipment in main Site Offices and Permanent Establishments should be inspected and tested at twelve monthly intervals.

Details of the inspections and / or tests must be recorded on a PUWER Small, or the sub-contractor's equivalent and copies kept on file in the site H&S filing system.

Emergency Lighting will be provided.

6.3.6 Scaffolding

Any scaffold required will be compliant with the current NASC Technical Guidance (TG20:13) and Safe Work Guidance (SG20:15). Scaffolds will only be erected, altered and dismantled by trained, operatives with the relevant certifications.

6.3.7 Protection from Work at Height Falls / Falling Materials / Objects.

Green Haus and its sub-contractors will ensure that suitable provisions are made in accordance with the requirements of The Work at Height Regulations 2005 with regard to the provisions required to prevent falls and falling materials / objects.

- Edge protection
- Crash deck
- Guardrails
- Scaffold
- Double boarding sections of the scaffold
- Safety Harness & Lanyard when using MEWPS

6.3.8 Exclusion of Unauthorised People.

Green Haus, in accordance with The CONSTRUCTION (DESIGN AND MANAGEMENT) REGULATIONS 2015 will ensure that no unauthorised persons are allowed to enter any part of the work site.

Access/egress is via the designated access point as marked on the Site Logistics Plan. See Appendix L

All delivery drivers needing access must report to the site security office and must sign in and out of site.

All operatives and visitors must report to the site office as shown on the site welfare plan, if they have already received an induction. Visitors must be escorted within the full site demise, unless they have undergone a full site induction. The only access onto site will be via the main access gates AT THE SITE OFFICE off Dewhurst Street. Suitable signage will be displayed.

Any person who needs to go on site must first undertake a full induction.

Everyone who is employed on or is visiting the site must comply with the Site Specific Rules enclosed in Appendix A.

6.3.9 Security and Protection of Members of the Public.

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Green Haus Project Management will undertake to ensure that all Heras fencing and gates around the perimeter of the site are secure, serviceable and maintained to exclude members of the public. In addition any individual areas which present a danger i.e. drainage runs, excavations etc. will also be individually fenced off using "Heras" type fencing, before the end of the shift / working day. The site will be fully fenced with a single access gate.

6.3.10 Protecting members of the public from falling objects

Any work at height will be within the site demise behind the site boundary.

6.3.11 Security

Green Haus may provide cctv coverage of the site.

Site perimeter fencing will be erected around the site. The site fencing will be inspected on a daily basis. Any emergency routes must be kept clear at all times.

6.3.12 Roof Work

Any roof work will involve a thorough Risk Assessment before commencement. See work at Height Section.

6.3.13 Smoking

Is STRICTLY not allowed on site. A designated smoking area will be located externally within the site

6.3.14 Air Quality Plan

Dusts and fumes can be a particular problem because health effects may become evident months or years after exposure. In addition, combustible dusts can cause catastrophic explosions.

Health problems can range from extremely serious to simply a nuisance. Some of these problems have been recognised for some time within industry, i.e. Asbestos. Often, much of the attention is focused on new substances, when the greater problems relate to more common substances, e.g. concrete, wood dust, paint spraying or even some welding fumes.

The operation of vehicles and machinery on site can generate large amounts of dust, especially during periods of dry weather. The amount of dust or fumes arising from the use of power tools can be such that control measures are needed, e.g. drilling or cutting masonry, welding or cutting metal etc.

Most solid materials that can be ignited can form an explosive dust cloud if the particle size of the solid is small enough. Even materials that do not burn in larger pieces such as aluminium or iron can, given the proper conditions, be explosive in the dust form. See Appendix H

6.3.15 Work Equipment and Plant Operators

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Work Equipment

All plant used on site must be adequate for the task in hand. The plant must have a valid test certificate in an efficient working order and good repair adequately maintained so as to prevent risk to health. Operators must be trained in the use of any equipment they may be using.

Contractors working for Green Haus Limited must provide suitable and sufficient risk assessments (R/A), method statements (M/S) to cover the task at hand in advance of the work commencing. Work will not be permitted if suitable R/A and M/S have not been provided.

Maintenance and Weekly Inspections

While on site the operator must inspect the plant weekly or a company appointed competent person and the findings recorded. The inspection report must contain:

- Date
- The name of the person making the inspection
- Registration/plant ID number
- Any faults found
- What corrective action has been taken
- Confirmation that the owner/hirer has been informed
- If required preventative measures to prevent use until the fault has been rectified.
- Quick Hitch Mechanism

A copy of the report MUST be given to the Green Haus Site Manager.

Examinations and Test

A current test certificate is to be produced to the Site Manager and a copy will be retained for recording purposes.

A crane or other lifting equipment must have a thorough examination every 12-months (every 6-months when lifting persons) by a competent person and after any exceptional circumstance likely to affect the safety of the lifting equipment.

Tested and a thorough examination every 4-years

Tested and thoroughly examined following any repairs or alterations which may have affected the strength and stability of the crane.

Lifting accessories should be thoroughly examined every 6-months.

Alcohol, Drugs and Medication

No person is permitted to operate any plant while under the influence of alcohol. No person should operate any plant if they are on prescribed medication that may affect their ability or concentration. The individual should inform their GP or pharmacist of the type of work they undertake so suitable medication can be prescribed.

Drugs – same as for alcohol.

Lifting Operations

One person other than the crane driver should be appointed to take responsibility for the organisation and control of any lifting operations on behalf of the management. This individual should be adequately trained and have the necessary experience and deemed competent enough to control the lift. Any crane brought onto site will be subject to a full lift plan produced by an appointed person. They will be suitable and sufficient for the purpose they are to be used. Only trained drivers, banksmen and appointed person may operate this equipment. Plate load tests must be carried out on the ground and the crane location must be approved by the structural engineer. All inspections for the crane and its lifting tackle must be within date.

Safe Working Load

The safe working load must be clearly displayed and in no circumstances must the SWL be exceeded. Loads must be correctly slung and made secure to prevent the load or any part of the load moving.

The load should not be carried or suspended over person, where this is not possible, then a specific safe system must be put in place.

All crane movements should be controlled to reduce the risk of the load swinging.

6.3.16 Maintenance of Road Cleanliness

Reason:

- To prevent the spread of dirt and debris on and off site
- To protect the workforce and the general public

Personnel

- Experience and Competent Supervisor
- Banksman
- Wagon Drivers

Wagons will be loaded under the supervision of a banksman.

Wagons will be inspected for debris and cleaned down before exiting site.

Once loaded, banksman will inspect the loading area for debris and any loose materials will be swept up and placed back within the excavation area.

Where possible wagons to be loaded on existing hard standing and not in a location where they track over already remediated soils to reach loading area. Use of temporary haul roads to be assessed based on condition of the existing ground. Should debris become an issue on public roads then a mobile sweeper will be deployed to clean roads and if this is not effective then a static wheel wash facility will be deployed to the site.

During the operation of the site, a water bowser or similar will be regularly used to dampen down site haul roads to ensure that dust generation (general dust) does not become an issue..

6.3.17 Liaising with Utility Undertakers & the Council

Rochdale Council's Highways department will be contacted in advance of works requiring Road Opening Notices and if required partial or full road closures. Utility works out side of the site boundary will be adequately fenced off to protect the public. Pedestrian walkways will be diverted where required to maintain save access. A traffic management plan will be issued.

A7 EMERGENCY PROCEDURES.

Prior to work commencing, Green Haus Project Manager will nominate a Site Fire Safety Co-ordinator (refer to Appendix B Site Fire Safety Plan) who will liaise with the emergency services, establishing contact names and agree a location plan of access points to the site. The Site Fire Safety Co-ordinator will assess the degree of fire risk on the project and will complete a Fire Risk Assessment Form and regularly up-date the Site Fire Safety Risk Assessment. The Co-ordinator will also ensure / arrange for regular inspections and maintenance of all emergency equipment.

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Green Haus Project Manager will ensure that the Emergency Telephone Numbers and In Case of Fire Posters are completed in full and are displayed at appropriate places on site and a copy maintained in a readable condition on the Site's Information Board(s).

Unforeseen eventualities will be immediately referred to the nominated Client contact. If the unforeseen eventuality results in adverse Health, Safety and Environmental implications to this project or any adjacent land / premises, the Principal Designer will be notified as soon as possible.

In potentially dangerous / environmentally damaging situations Green Haus will take all necessary precautions to minimise the effect of the danger but only if this can be achieved without putting any person at risk. If this situation arises the site will be secured and a plan of action will be agreed which will control all risks to personnel, including those employed on adjacent land / premises.

In the event of a spillage, the procedure outlined in the Environmental Emergency Response Procedure, posted on all HS&E Information boards, will be followed.

An Emergency Response Plan will be displayed on the site cabin.

The Emergency Escalation Procedure chart will be followed in case of an emergency. Please see Appendix O

Injury to persons

In the event of an emergency situation arising that is beyond the control of Green Haus , the relevant Emergency Services will be contacted. Green Haus will provide assistance and as much relevant information as is available.

Trained First Aiders on site

The Project/Site manager TBC will be the trained first aider on site.

The H&S Department are first aid trained and will be visiting site on a regular basis. All first aid trained employees wear the first aid stickers on their hard hats (white cross on a green back ground).

Green Haus will ensure that an appropriate number of qualified first aid attendants are provided on the project to administer basic first aid. Anyone suffering a serious injury will be escorted by a member of Green Haus staff for professional treatment to the A&E Department at the local hospital.

A map of the most direct route to the accident / emergency unit will be displayed and maintained in a readable condition on the Site's Information Board(s). See Appendix I

The First Aid Attendants for the project will be listed on the Emergency Procedures – First Aid Information, which will be displayed and maintained in a readable condition on the Site's Information Board(s).

Current copies of all the above Standard Forms and the Site Specific Fire Safety Risk Assessments will be retained in the site H&S filing system.

There will be adequate first aid facilities on site. The 20 man first aid kits normally cover this. Any further first aid equipment will be provided after a risk assessment has highlighted what specific requirements are needed, such as eyewash.

The trained first aider has the responsibility for ensuring the first aid box remains adequately stocked with the appropriate supplies of medical equipment.

A first aid poster is to be clearly displayed indicating the name of the qualified first Aider(s) and the location of the first aid box.

Fire

A site fire risk assessment will be undertaken and reviewed on a regular basis See Appendix C. The emergency procedure for fire and evacuation will be in accordance with the findings. The fire procedure is available at Appendix B.

In the event of a fire the sign in and out or print of the turnstile system sheet will be used to identify persons present at assembly point.

The method of raising the fire alarm will be activating the radio linked Fire alarm.

The fire assembly points will be signed and their location(s) identified during induction. The assembly point is TBC

A8 REPORTING OF ACCIDENTS / INCIDENTS.

All accidents / incidents (including environmental and property damage), dangerous occurrences or near misses, no matter how trivial they appear, must be investigated and the appropriate Green Haus accident forms completed.

All incidents (including environmental) involving sub-contractors' employees must be reported to Green Haus Site Manager (The Site Manager is to inform the Health and Safety Department).

Immediate actions in the event of an accident

All accidents are to be reported to the site manager, the casualty will receive appropriate first aid. The accident book is to be completed by the first aider (site manager) who in turn will inform the health and safety department as a matter of great urgency. Advice will be given by the H&S department at this point.

All accidents are to be investigated. The amount of time will be in direct proportion to the level of injury or loss. Some accidents will be dealt with by the site manager and some by the health and safety department. The health and safety department will confirm once presented with all relevant information.

The location of the accident is, where possible, to remain undisturbed to enable the accident investigation to take place. The exception to this will be to make the location, plant or equipment safe.

Any accident will necessitate a responsible person taking photographs of the accident scene, any injuries and faulty/damaged equipment, but only if safe to do so. These photographs are to be taken from both close proximity and from a distance. If possible, use an object to give an indication of size such as a box of matches, a tape measure etc.

RIDDOR

In the event of a Reportable (as defined in the Reporting of Injuries, Diseases & Dangerous Occurrences Regulations (R.I.D.D.O.R.)) accident or incident it is the Injured Person's Direct Employer who is responsible for informing the appropriate enforcing authority and for completing and sending written confirmation to them (Form F2508). In the event of an environmental incident Green Haus will inform the Environment Agency and take appropriate action following liaison with them. Information on RIDDOR is kept on the H&S Dropbox link provided to site management.

If Green Haus employee is injured under RIDDOR, all information will be collated by the Health and Safety Department and a file will be produced.

After any accident the relevant risk assessments must be reviewed and appropriate amendments made to ensure that any lessons learnt from an incident have been communicated or changes required to procedures to prevent similar events from re-occurring have been implemented by the site and its sub-contractors.

Copies of all accident reports will be kept on file in the Accident File kept at Green Haus Office.

Any RIDDOR reportable accidents must be reported to the Principal Designer and the Client as soon as possible and a copy of the RIDDOR report must be forwarded to them.

A9 WELFARE.

The entrance into the site and the welfare area will be from Dewhurst Street. A paper system for signing in and out will be maintained.

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The welfare will be situated within the site boundary. The water supply will be re chlorinated.

Generator power and water are available on site. A Portaloo sewage systems will be used.

All facilities will, as a minimum, comply with the requirements of The Construction (Design and Management) Regulations 2015.

The site set up will include toilets site office, canteens & meeting room.

There will be hot/warm running water available at all times.

Adequate stocks of soap, barrier cream, toilet rolls and paper towels will be maintained throughout the project. A hand care board will be provided and maintained within the toilet block.

A separate female WC will be available on site.

A cleaning regime will be maintained at all times and the facilities will be thoroughly cleaned on a regular basis.

Waste will be removed to a skip, from the welfare facility, on a daily basis and not allowed to accumulate.

The first aid kit will be located within the site manager's office and a sign will be displayed. A sign identifying the location of the first aid kit and the designated first Aider(s) will be displayed on the Site's Information Boards.

A10 INFORMATION & TRAINING FOR VISITORS

10.1 Induction Meetings

Inductions will be held daily in the site office/meeting room at 08.00Hrs only!

All personnel who intend to go onto site will be required to undertake a site specific HS&E induction given by Green Haus, on arrival.

Green Haus Management will refuse access to any person not inducted.

At the induction details of the Site Specific HS&E Rules and any other HS&E related items such as the content of the F10 (rev) Notification, the main site hazards, organisational arrangements, emergency and evacuation procedures, traffic management plan, etc. will be discussed.

Where the Client's own direct employees and contractors need access on to our site the Client's representative must ensure that they are aware that they must receive our site induction prior to starting work. At the Green Haus induction all personnel will be asked to provide evidence of competence and will be informed of Green Haus Site Specific HS&E Rules and the need to fully comply with them at all times.

10.2 Site Specific Operatives Competence & Training Requirements.

Green Haus will not allow personnel to undertake specialist tasks unless they or their employers can demonstrate that they have received adequate training and are able to carry out the job properly without risks to their health and safety, the environment or others who may be affected by their operation(s).

Operatives must produce their Construction Skills Certification Scheme (CSCS) card *or other affiliated scheme card together with any specialist training requirement requested by site management* at their induction. If the operatives does not have a card then they must demonstrate that they have tried to obtain the correct card for their relevant trade or have obtained a letter from the Construction Industry Training Board (CITB) stating that a card is not available. If a card is not available they must

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produce the relevant letter, a copy of the relevant pass letter for the CSCS safety awareness test and written evidence from their employer that they are trained and competent in the activities they are being asked to perform.

Construction plant operatives must be trained and competent and produce a valid relevant Construction Plant Competence Scheme (CPCS) or National Plant Operators Registration Scheme (NORS) card at induction. Mobile Elevated Working Platform operatives must be trained and competent and produce a valid CPCS or an International Powered Access Platform (IPAF) card.

Sub-contractors are obliged to carry out their own training and provide evidence of such training to Green Haus prior to commencing their operations as per the Green Haus Sub-contractor's HS&E Terms and Conditions.

A11 CONSULTATION WITH PEOPLE ON SITE.

Communication of Site Specific HS&E Risk Assessments, Method Statements/Mitigation Measures and Toolbox Talks will be used as an opportunity for the workforce to be consulted on HS&E issues thereby complying with the "HEALTH AND SAFETY (CONSULTATION WITH EMPLOYEES) REGULATIONS 1996". It will be a requirement that those present are asked to report any HS&E issues that may be of concern.

Green Haus will ask each individual to report any such concerns via the Site Manager who will then present the concerns raised to the site Manager or in severe cases report directly to Green Haus Health and Safety Advisers.

A12 SITE RULES.

Site Specific HS&E Rules, enclosed as Appendix A, will be explained during the course of site inductions. In addition, Green Haus Site manager will be responsible for ensuring that a copy of these rules are displayed and maintained in a readable condition on the Site's Information Board(s).

If any employee, sub-contractor or visitor is in breach of any of the site standards or is observed carrying out an unsafe action / condition or an environmental non-conformance, then Green Haus will enforce our Red & Yellow card procedure (below) and notify the individual and their company in writing.

Green Haus will require that those personnel involved be reprimanded or, in the case of a serious breach, be removed from site.

A13 HEALTH AND SAFETY FILE.

All sub-contractors on the site will be informed that if there is any information which ought to be included in the health and safety file then it should be passed on to Green Haus. The process of collating the relevant information will be carried out during the course of the construction period. Our format will be provided to the Client/Principal Designer for their approval. The full completed H&S File will be handed over to the client on Project Completion date, unless there is a requirement for partial handover of certain areas within the contracted works.

The following may be required:

- Project approvals, permissions and certificates
- Details of each sub-contractor including works carried out
- "As-built" drawings and construction records
- Operation and Maintenance Manuals, together with test results and commissioning certificates (to include maintenance procedures and requirements for each

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structure and mechanical systems)

- Design Criteria and check certificates, etc. including a copy of any calculations
- Details of construction methods and materials used
- Manufacturer's literature (including COSHH data)
- Maintenance, replacement, removal and safe disposal recommendations
- Philosophy for shutting down in case of emergency
- Details of residual risk
- Any residual hazards which remain and how they have been dealt with i.e. surveys or other information concerning contaminated land, water bearing strata, buried services etc.

The above should not be considered as exhaustive. Information is to be supplied where there are health and safety implications for future alterations, maintenance, decommissioning and demolition.

As per the clients requirements the Health & Safety File must be presented as follows:

- TBC
- For handover procedures please see Appendix K

A15

APPENDICES

A

SITE SPECIFIC HEALTH, SAFETY & ENVIRONMENTAL RULES

Aspinall St Phase 1

These Site Specific HS&E Rules have been written for your benefit, to keep you safe while working on this contract. You **must read** and **comply** with them. They may help save your life. If you **break any** of these standards you will be asked to leave site. If you see others breaking the standards, or an unsafe situation, **do not walk away**, put it right if it is safe to do so, or tell someone about it!

Never be afraid to ask questions about substances, equipment or systems of work that affect you. In short, be alive to safety. If you are not, the consequences could be grave!

ALWAYS REMEMBER THAT WHILST AT WORK, YOU ARE PART OF A TEAM AND THAT YOUR SAFETY AND THAT OF YOUR FELLOW WORKERS IS IN YOUR HANDS.

Green Haus site documents are readily available for inspection in the Site Office.

1. Anyone working on or visiting this site **must sign in** and **out at** the site office. The delivery gates is not the access and egress point for operatives.
2. No one is allowed to work on site unless they have attended a site-specific health, safety and environmental induction.
3. If you spend a large part of your working life in the open air, it is important to wear suitable clothing if you are to avoid ill health or injury. As a minimum, on this project you must wear a safety helmet, safety footwear, appropriate gloves and high visibility clothing at **all** times.

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4. All personal protective equipment/clothing must be kept in good condition and maintained. Report any problems to your foreman/supervisor.
5. Additional personal protection i.e. for your hands, eyes, ears etc must be worn when the work activity requires it.
6. No one is allowed to deviate from any designated access route (as indicated on the Site's Logistics Plan) to and from the work place. Keep existing footpaths / routes clear and safe for pedestrians. If barriers are erected you must not cross / climb over them.
7. The places at which you work and the access to these places should be kept free from unnecessary equipment, materials and substances that are liable to cause people to trip or slip.
8. Access roads must be kept free from spoil, materials, equipment and debris at all times. When excess dust is produced it must be reduced using appropriate measures such as dampening down with water sprays.
9. Obey all warnings / hazard information and speed limit signs.
10. C.O.S.H.H. Assessments must be readily available for all materials / substances on site. Ensure that you read and understand them prior to using any hazardous materials and you must also advise any other third parties who may be affected by the materials in use. Copies of all C.O.S.H.H Assessments are available in the Site Office.
11. Activities must not be undertaken by anyone without them first receiving, understanding and acknowledging receipt of a copy of the relevant risk assessment and method statements required for these activities
12. A lot of injuries received at work are the direct result of bad lifting and carrying practices. Reduce the chances of injuring yourself by avoiding manual handling whenever possible.
13. Never use a scaffold if you think it is unsafe. If you find that the scaffold is unsafe, report the faults to your Supervisor so that he can have them put right. Alterations may only be carried out by persons who are trained and competent, normally scaffolders. Everyone should note that a 'Scaff Tag' system will operate for the duration of this contract and this will apply to both tube & fitting as well as mobile towers. No person should drop or throw anything from the scaffold at any time (Bombing).

All ladders, steps etc., must be inspected prior to use. Ladders may only be use for access and egress to a working platform or location, and for work of short duration. In all instances ladders & step ladders should only be used as a last resort following the elimination of safer systems of work i.e. mobile towers etc. All work off step-ladders or ladders can only be undertaken following the issue of a PERMIT TO WORK OFF STEP-LADDERS OR LADDERS AND RISK ASSESSMENT. STEP LADDERS HAVE BEEN OUTLAWED ON THIS PROJECT AND PODIUMS MUST BE USED.

When working near edges or openings ensure that suitable fixed guardrails and toe-boards are fitted. Ensure that wherever guardrails and toe-boards are erected that you do not cross or climb over them.

14. All operators must ensure that they have their valid certificate with them, or a copy available for immediate inspection, when carrying out processes for which training is required i.e. scaffolding, abrasive wheels etc.
Never attempt to operate mobile plant or lifting equipment unless you have a valid CPCS or NPORS Card with you and are prepared to operate the item according to the training given. All certificates must be approved by Green Haus. Never use any plant / equipment that are defective. Any / all defects must be reported.
15. Make yourself aware of the site's emergency fire drill procedure. Identify the position of fire extinguishers and other firefighting equipment. Also make yourself aware of the emergency site procedures. The route to the nearest hospital is displayed on the Site's Information Board(s).
16. The fire assembly point is located on Dewhurst Street.
17. If you are unfortunate to suffer any incident you must report all injuries and ensure first aid is given even for minor injuries. Even small cuts and grazes can become infected if not treated promptly.

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18. Permits-to-Work are required for the following :
- LIFTING PLAN – RED ALERT
 - PERMIT TO WORK
 - PERMIT TO WORK AT HEIGHT
 - PERMIT TO DIG / BREAK GROUND
 - CONFINED SPACE PERMIT
 - PERMIT TO WORK ON OR NEAR LIVE ELECTRICITY
 - HOT WORK PERMIT
 - PERMIT TO WORK OFF LADDERS OR STEP LADDERS
19. All excavations must comply with the requirements relating to avoiding underground services and providing support and protection, contained within the specified risk assessment and method statement before anyone enters them.
20. If operating plant or vehicles, never reverse without a trained banksman to guide you. As a pedestrian, do not walk behind moving plant. Make yourself known to the reversing vehicle banksman in the area. Be seen at all times.
21. All portable electrical equipment must be 110v or less and display an identity and test tag
22. Always use the correct tool for the job. Inspect the tool prior to use and then at regular intervals. Never use any hand held tools that are defected. Report all defects to your Foreman / Supervisor. Ensure that the tool you are using is recorded on the PUWER inspection sheet
23. Good housekeeping is a number one priority because a clean site is a safe and environmentally friendly site. Keep your own work area clean and tidy. Place all waste in suitable containers. As a minimum this must be done at the end of every working shift or at the request of Green Haus Site Management.
24. Always respect the natural environment and the local community. Nuisance must not be caused to neighbouring areas i.e. noise must be within acceptable levels, if you believe you are causing a noise nuisance inform your supervisor. Please do not use abusive language whilst on site.
25. In the event of any contamination which could enter the public surface and sewer system, the emergency spill kit is to be deployed. The spill kit will be located in the storage cabin.
26. When re-fuelling, do so in designated areas. Park away from any surface water drain. If re-fuelling by hand use a funnel or container with a spout to prevent spillage. Drip trays must be used to contain any potential leaks from fuel driven plant.
27. Do not allow any substances, i.e. cement, diesel, oil, silty water etc. to enter into any watercourses. Notify any leaks from tanks, plant etc. If a problem occurs, report it to your foreman/supervisor immediately. Emergency spill kits are available on site. Make sure you know where they are located and how to use them. No flushing out of concrete wagons is permitted on site. (to be arranged with Green Haus Site Management & sub-contractor)
28. If pumping water away from your works always request / follow instructions from your supervisor. Silty water (i.e. water containing suspended solids) must never be pumped directly into a watercourse/sewer system. It must be treated prior to discharge.
29. Take additional care when working in proximity to the existing properties.
30. No fires are allowed on site. Smoking is not allowed anywhere on site.
31. Resist the temptation to play practical jokes and do not indulge in horseplay or running on site. Such behaviour often leads to serious injuries.
32. Green Haus will not accept anyone reporting to work under the influence of alcohol or drugs. Anyone found breaking these rules will be removed from site and the appropriate disciplinary action taken.
33. Always respect the toilet and welfare facilities provided for your use and report any deficiencies. Anyone found urinating on site or abusing these facilities will be removed from site.
34. If affected, make sure you receive and understand the Green Haus "Precautions against Risk of Illness for Those Working In Contact With Sewage and Rat Infested Premises" information notices which will be displayed. (Weils Disease).

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35. Mobile phones must not be used while operating any construction plant or vehicles. Anyone using a mobile phone must stand in a safe area or in the site compound.
36. You must not behave in any way that is sexually coercive, personally threatening, abusive including bad language, or exploitative. Please be polite when talking to others including members of the public.
37. If you have worked in the industry less than three months please inform the Green Haus Site Manager following this induction.
38. If you have any health related problems, (epilepsy etc) please inform the Green Haus Site Manager in confidence in-case of an emergency, to be identified on the individual induction form.
39. Anyone found breaking this code of conduct will be issued with Green Haus Red or Yellow Card procedure and the appropriate disciplinary action taken.
40. Report all incidents to the Site First Aider(s) whose names are listed on the site's Information Board. Certain accidents / incidents when they occur need to be notified to the H.S.E. within specified time scales. Your employer will advise which accidents / incidents come into this category and you must notify your employer and Green Haus of these immediately. Note that all accidents are investigated and anyone found falsifying an entry into the accident / incident book will be asked to leave site immediately and legal action may be taken.
41. High visibility vests / coats must be worn at all times when walking between off site offices and canteen \ welfare facilities and the Construction Site.
42. Food and drink is not to be consumed in the work place or within vehicles at any time. Food and drink is only to be consumed within the canteen area.
43. Good hygiene must be followed at all time. Rats and bats may be present and pigeon droppings can both cause highly contagious disease. Wash hands before eating or handling food.

B **FIRE RISK ASSESSMENT**

HAZARD OR WORK ACTIVITY ASSESSED

Project Specific Fire Risk Assessment

SITE /LOCATION

Aspinall Street Phase 1

ADDRESS

Land Between 27 & 41 Aspinall Street, Heywood, OL10 4HL

FIRE CO- ORDINATOR POSITION

TBC

TBC

CARRIED OUT BY

Brett Whitwood

POSITION

Project Manager

DATE:

30.09.2023

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REVIEW
DATE:

Or following incident or major event

LEVEL OF
FIRE RISK

LOW	MEDIUM	HIGH
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Occupancy

Days in use	Weekdays	5	Weekends	0 (Subject to change)
No. Persons on site (Approx.)	Weekdays	TBC	Weekends	TBC

Building Details

No. of Floors	1
No. of Basements	0
Total Floor Area	180m2

HIGH RISK	Lack of adequate controls applied to one or more significant fire hazards, such as to result in significant increase in the likelihood of fire
MEDIUM RISK	Normal fire hazard(e.g. potential ignition source) for this type of project, with fire hazards generally subject to appropriate controls
LOW RISK	Usually low likelihood of fire as a result of negligible source of ignition

HAZARDS	SOURCE OF IGNITION	PERSONS AT RISK	MEASURES TO CONTROL SIGNIFICANT HAZARDS	H / M / L
Naked Flame & sparks	Cutting of re-bar, grinding, welding, brazing,	Operatives	Where ever possible hot works will be designed out of the works. A Permit to Work (Hot works permit) to be issued by the responsible person for supervising the required works. 2 fire extinguishers to be available (One must be the contractors) where the hot works are being carried out. Work area to be checked and cleared for flammable materials. Any flammable materials which cannot be removed must be covered. Fire watch during the operation.	<u>L</u>

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			ALL hot works to cease at least 2 hours prior to close of play and a final check made of the area to confirm no smouldering embers remain. A heat detector will be used on site to monitor this risk when signing off the HWP at the end of each shift.	
Faulty Electrical Equipment & appliances.	Office equipment Heaters Kettles, toasters and microwaves	Operatives & Site Office Personnel	PAT testing of all electrical equipment All electrical installation is due to be isolated and removed. New temporary electrical install to be tested before use and at periodic intervals thereafter.	<u>L</u>
Smoking Areas	Un-extinguished cigarette ends	Operatives & Site Office Personnel	No smoking on site A designated smoking area is in place external to the building. No smoking signs are placed inside the building. No smoking is allowed anywhere else within the construction site. Bucket of water/sand in smoking area to extinguish cigarettes	<u>L</u>
Chemicals	Chemical Contents being highly flammable	Operatives	External storage cage in place for gas cylinders. The cage is locked and keys kept in the site office. External fuel safe in place for flammable liquids. The safe is to be locked and keys kept in site office Minimum quantities to be brought onto the site at any one time Flammable liquids to be removed from site daily at close of play.	<u>L</u>
Arson	Unauthorised Access on to site creating a fire	Neighbouring Properties	The site is Hoarded / fenced off and daily fence check done each day	<u>L</u>
Waste	Accumulated waste such as timber, packaging, insulation	Operatives	Waste is removed from working areas to prevent any build-up of waste. This is continuously monitored by the site managers to ensure no build-up of waste. Escape routes will be kept clear and unobstructed at all times.	<u>L</u>
Plant	Combustion from engine	Operatives	Weekly checks in place All plant to have 12 month service certificate Daily pre use checks by plant operatives Regular maintenance.	<u>L</u>
Generator	Combustion from engine	Operatives	Not currently required but the below will be in place: Weekly generator checks Fire extinguishers next to generator Position generator away from flammable materials	<u>L</u>

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HAZARDS	SOURCE OF FUEL & OXYGEN	PERSONS AT RISK	MEASURES TO CONTROL SIGNIFICANT HAZARDS	H / M / L
Wood/ Paper/ cardboard	Fuel from plant Reflective materials ie glass bottles	All	Any waste material and packaging are removed to the skips ASAP to avoid build-up of waste. . (Period when most packaging waste will be produced is during second fix) as a minimum waste will be removed at the end of the working day.	<u>L</u>
Plastic/ rubber/ Foam	Fuel from plant Reflective materials ie glass bottles	All	As above	<u>L</u>
Flammable materials (gases/liquids/paints/t hinner)	All working floors	All	Flammable liquids to be kept in locked fuel safe when not in use	<u>L</u>
Waste material / packaging	All working floors	All	Removed to skips or from site ASAP.	<u>L</u>
Gas cylinders	All working floors	All	No requirements currently – Awaiting RAMS from demolition company to review	<u>L</u>

Hazard	Means of escape	Persons at risk	Measures to control	Level of risk
Deep Excavation	Steps	operatives	Ensure second means of escape is in place E.g. ramp/ ladder	<u>L</u>
Rest of site	Pedestrian walkways	operatives	Ensure walkways are clear at all times	<u>L</u>
				<u>L</u>
Fire on floors, smoke & heat	Internal on slab	Operatives	Constant tidy and remove rubbish/debris. Site inspection prior to leaving site each day. Ensure Fire extinguishers on site and easily accessible and sign posted.	<u>L</u>
				<u>L</u>
				<u>L</u>
				<u>L</u>

Location	Means of Raising the Alarm	Persons at risk	Measures to control	Level of risk
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Deep Excavation (initial works)	Air horn / verbally by shouting	Operatives & visitors	All persons briefed on the alarm method at induction. Spare air horn canister(s) Air horn located in a prominent location known to all. Ensure the alarm can be heard throughout the whole work area	L
Construction site	Initially - Manual alarm Intermediate/ Permanent – Manual fire alarms	operatives	All persons briefed on the alarm method at induction. A series of wireless fire alarms will be installed. These will be interlinked covering the total unprotected area. The alarms will be tested after installation. Hard wired alarm is currently installed but will be removed as part of these works. WES+ will be in place prior to this. Each alarm method will be checked to ensure the alarm can be heard throughout the whole work area. All alarm methods will be checked and tested weekly.	L
Offices and welfare compound area	Initially - Manual alarm Intermediate/ Permanent – Manual alarms	Operatives and visitors	All persons briefed on the alarm method at induction. A series of wireless fire alarms will be installed. These will be interlinked covering the total unprotected area. The alarms will be tested after installation. Hard wired alarm is currently installed but will be removed as part of these works. WES+ will be in place prior to this. Each alarm method will be checked to ensure the alarm can be heard throughout the whole work area. All alarm methods will be checked and tested weekly.	

Location	Means of fighting the fire	Persons at risk	Measures to control	Level of risk
Deep Excavation (initial works)	Not considered to be a risk of fire.	Operatives & visitors	Fire fighting equipment will be available in the vicinity.	

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Construction site	Fire extinguishers	Operatives & visitors	Fire points will be set up on each floor. A specific fire plan showing locations and types of fire extinguisher will be displayed. Fire extinguisher information notices appropriate to the type will be displayed with each extinguisher. . Appropriate extinguisher relevant to the risk will be provided The fire extinguisher will be as a minimum 2 No 6ltr water/foam and 2 No CO2.the type and quantity will be under constant review dependant on the level of risk.	L
Construction site		Operatives & visitors		
Construction site		Operatives & visitors		
Site offices and welfare compound	Fire extinguishers	Operatives & visitors	A specific fire plan showing locations and types of fire extinguisher will be displayed. Appropriate extinguisher relevant to the risk will be provided. Fire extinguisher information notices appropriate to the type will be displayed with each extinguisher.	

Training	When	Persons at risk	Measures to control	Level of risk
Induction	Prior to entering site	Visitor	Visitor induction given to all visitor Escorted on site at all times	L
Induction	Prior to working on site	Operatives	Full induction.	L
Fire marshal	At the start of the project and refresher every 6 months	Operatives Visitors		L

Fire Safety Arrangements

Emergency plan in place and displayed

Instruction and training given

Y/N	Comments
Y	Displayed in welfare and at each fire point
Y	Toolbox talk was given by site management to site operatives following evacuation test. The fire / emergency escape plan is referred to by inductor during the site specific induction.

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Record all drill, maintenance, fire point checks	Y	Daily fire point inspection is carried out and recorded.
Fire Extinguishers in adequate positions	Y	Fire extinguishers are placed at each fire point.
Are Ignition sources controlled to reduce the chance of a fire	Y	See RAMS
Are combustible materials kept away from ignition sources	Y	See RAMS
Are alarm systems adequate for all people to hear in all areas	Y	Site to be a standalone battery operated system (WES+). Fire plan/risk assessment will be sent to workman FM for review.
Can everyone escape without assistance	Y	Any disabled individuals visiting site will be subject to a separate specific risk assessment prior to entry onto to site. Disabled working individual will need to make the inductor aware at induction stage of any disabilities.
Is the means of escape adequate for the layout / phase of construction	Y	2 separate staircases – Discussed in induction.
Are all fire exit and routes signed adequately	Y	Signage placed within the corridors.
Can all doors on escape routes open without a key	Y	All doors will be left unlocked.
Do all doors on escape routes open in the direction of travel	Y	
Can everyone escape in a reasonable time	Y	
Are all escape routes adequately lit	Y	Existing emergency/ external exit lighting to be tested.
Do you have adequate fire fighting points with appropriate fire fighting equipment	Y	Water/C02 at each landing on fire point, plus offices and canteens. All inspected and up to date.
Is the housekeeping controlled	Y	Operatives clearing waste continuously
Can the Fire service easily get into your premises	Y	No restrictions to emergency vehicles
If due to the nature of the build, is there additional fire safety measures in place i.e. timber framed construction.	Y	Existing premises fire doors lead through site, safe egress to be maintained at all times.
Are there adequate means in place to prevent arson	Y	Proposed cctv and neighbourhood flyers.

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C

GENERAL RISK ASSESSMENT FOR SITE ACTIVITIES

Tick if anticipated on this project	ACTIVITY, MATERIAL, OPERATION PRODUCT OR SERVICE	POTENTIAL SAFETY, HEALTH OR ENVIRONMENTAL HAZARDS / IMPACTS	RISK RATING High, Medium Or Low	ANTICIPATED PERSONNEL POTENTIALLY AT RISK WITH PREVENTATIVE AND PRECAUTIONARY MEASURES. When activities are highlighted as a High Risk the Direct employer must provide Green Haus with a site specific risk assessment and method statement or mitigation measures. When activities are highlighted as a medium risk the Direct employer must provide Green Haus with a site specific risk assessment.	
				Persons who could be affected	Preventative and Precautionary Measures
√	Abrasive wheels – use of.	Bursting of Wheel. Flying fragments. Use of Wrong wheel or disc. Loose clothing. Electric shock. Noise. Dust.	Medium	Operatives & other persons in vicinity.	Only trained and competent persons to operate and change abrasive wheels.
√	Access / Egress	Injury due to slips, trips & falls. Contact with materials or with mechanical plant.	Medium	Operatives & other persons in vicinity.	Green Haus to identify safe access routes, discuss any changes at weekly SHE co-ordination meeting and highlight specific routes on “white board”. Traffic management plan to be posted and all to be inducted. Plan to be modified as required.
√					
√	Movement of plant	Movement of plant. Poor maintenance. Untrained operatives. Site Conditions. Dusts. Reversing. Loading / unloading. Unguarded machinery. Noise.	High	All Operatives in location.	Discuss with Green Haus before commencing. Only trained operators to drive plant and only under the control of a banksman. Reversing to be kept to a minimum. Plant drivers to read and sign specific RA.
√	Cartridge Operated Tools / use of	Accidental firing. Pin ricochet or passing through material. Misfire. Flying fragments. Noise.	Medium	Operatives & other persons in vicinity.	Cartridge tools to be used as last resort. Operator must be trained and competent. Cartridges to be stored in a lockable fireproof container. Continuous lines can weaken the pre cast structure
√	Chemicals – use of	Corrosive. Toxic. Flammable. Explosive. Spills.	Medium	Operatives & other persons in vicinity.	Specific risk assessment to be carried out with Control of Substances Hazardous to Health (COSHH) assessment to ensure safe system.
√	Zoonosis/ Leptospirosis/P sittacosis	Contact with pigeon and seagull droppings, wells disease	Medium	Operative	Good standards of hygiene, good welfare facilities and the wearing of appropriate PPE at all times. Operative awareness
√	Circular Saws - use of	Untrained operator. Unguarded machinery. Flying fragments. Uneven, slippery floor. Debris left lying around work area. Loose clothing. Fire. Noise. Dust.	Medium	Operatives & other persons in vicinity.	Operator must be trained and competent. Area where machine being operated to be assessed. Work area to be kept clear of waste materials at all times.
√	Confined Space – entry into space during sewer connection POTENTIAL	Asphyxiation. Poisoning. Explosion. Fire. Inhalation of toxic fumes. Drowning. Diseases.	High	Operatives & other persons in vicinity. Demolition operatives	Confined space entry to be last resort. Detailed method statement and permit to work required. Only trained and competent persons to enter confined space. Gas detectors to monitor quality of air, extractor fans, extension exhaust pipes to be used.

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√	Cuts to hands/arms From sharp edges on ductwork, cable trays etc.	Personal injury	Medium	Operatives	Ensure adequate personal protective equipment is worn. De-bur edges
√	Debris Chutes – use of	Collapse of scaffolding. Blockage of chute. Poor design. Poor maintenance. Falls of materials. Falls of persons. Poor erection and dismantling.	Medium	Operatives & other persons in vicinity.	Scaffold must be designed to ensure suitability. Chute to be installed / dismantled by trained operatives. Position of chute to be considered for access of skip. Chute to be examined at regular intervals.
√	Deliveries/unloading during construction	Pedestrians coming into contact with plant, vehicles or the load. Potential traffic congestion,	High	Operatives & other persons in vicinity.	Clear, organized site compound, coordinated delivery timings, organized means of off-loading, Banksman required at all times! Deliveries will be off adjacent roads – Aspinall Street, Townrow St and Dewhurst St. Suitable and adequate sign and traffic management will be put in place.
√	Dust –from stone, vehicle movements, demolition etc.	Inhalation. Visibility. Potential for explosion (i.e. Chemical, dust in Confined Space etc). pigeon droppings	High	Operatives & other persons in vicinity. Members of the public.	Road sweepers to be utilized if necessary. Where applicable portable tools to be fitted with dust extractors. Serviceable and appropriate respiratory protection. Damping down to be considered. All stihl saws to be fitted with dust suppression. Operatives (demolition, groundworkers, etc.) must be face fit tested to FFP3 face masks!
√	Drilling operations	<i>personal injury during drilling operations</i>	Medium	Operatives	Ensure operatives wear appropriate safety gear and receive adequate training on equipment.
√	Driving/operating plant Plant – operating	Untrained operators. Poor maintenance. Site conditions. Reversing. Loading / unloading. Transporting the plant, loading and off-loading. Overhead cables. Operatives working adjacent to the movement of plant. Dust.	High	Operatives & other persons in vicinity.	Operatives must be trained and competent (CPCS card). Plant to have all round visibility. Machine test and maintenance records to be available before work commences. Specific RA to be issued. Banksman required at all times!
√	Electricity use of Installation / Commissioning	Electric shock. Fire. Trailing cables. Poor maintenance.	High	Operatives & other persons in vicinity.	Only qualified competent electricians to undertake works on electrical installations. Works to comply with Electricity at Work Regulations 1989 and latest edition of IEE wiring regulations. Permit to work to be issued for commissioning. All circuits worked on are isolated and locked off. Provide suitable signage, restrict access.
√	Existing Services	Physical injury to personnel	High	Operatives & other persons in vicinity.	Consult service drawings, use cable avoidance tools, dig trial holes. No mechanical digging within 0.5m of any known service. Specific site risk assessments, method statement and a permit to dig must be in place.
√	Falsework / Temporary Works/temporary structural supports	Collapse of structure. Falls of persons and materials. Loading. Dismantling	High	Operatives & other persons in vicinity.	Falsework design must be carried out. Design should be independently checked. Design should identify maximum load, erection, maintenance and dismantling of the works. Formal permission to load and strike to be obtained. Appoint temporary works co-ordinator..Temporary works designer appointed
√	Fire Prevention	Badly positioned heating appliances. Discarded cigarettes / matches. Arson. Misuse / faulty LPG equipment. Faulty electrical apparatus. Welding operations.	High	Operatives & other persons in vicinity.	Green Haus to produce site fire plan and risk assessment. Instigate Hot Works regime. Identify any flammable materials / containers. Maximise mechanical cutting where possible. Obtain isolation certificates where necessary. Ensure good housekeeping standards. Waste to be removed on a daily basis.

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		Burning of rubbish. Poor storage of materials.			
√	Fork Lift Trucks / Tele-handler - use of	Untrained operators. Poor maintenance. Overloading. Collapse of scaffold. Insecure loads. carrying passengers. Reversing. Site conditions	High	Operatives & other persons in vicinity.	Operative to be competent and hold a CPCS card. Fork lift to be operated and maintained to manufacturers' recommendations. Lifting plan to be completed. All reversing to be kept to a minimum. Specific RA to be issued. Banskman required at all times!
√	Hand Arm Vibration	Damage to blood circulation. Hand Arm Vibration Syndrome (HAVS).	Medium	Operatives	Assessment of the vibration risks to operatives required together with a daily record that operatives do not exceed the 'exposure limit value' while on site. Contractor to demonstrate their health surveillance. Contractor to use tools taking in account the latest technical advances. Green Haus Operatives to complete the vibration log and site managers to verify.
√	Hazardous Substances - use of	Asphyxiation. Poisoning. Dusts. Fumes. Spills. Skin contact.	Medium	Operatives & other persons in vicinity.	COSHH assessments must be provided for all hazardous substances. Material to be used and stored in accordance with the COSHH assessment.
√	Injured persons	Condition being made worse due to poor extrication methods and excessive time delays	Low	Operatives	Fire plan on display indicating safe exits. Good housekeeping at all times. Designated and trained first aiders.
√	Ladders + Step Ladders - use of	Falls of persons. Falls of materials. Poor foundations. Poor storage. Misuse. Over - reaching. Unsecured. Wrong angle.	High Permit to Work Required.	Operatives & other persons in vicinity.	Ladders / steps should only be used as a working platform if there is no other choice. A permit to work must be issued to work off ladders. Only class 1 industrial ladders to be used on site, if approved. Step ladders to be outlawed. Only podiums to be used.
√	Lasers - use of	Eye injury.	Medium	Operatives & other persons in vicinity.	Only class 1 or 2 lasers allowed on site. Person using laser to be trained in its use. Before using laser check other personnel in vicinity are not at risk.
√	Lifting gear - use of	Untrained banksmen / slingers. Overloading. Incorrect angle of sling. Defective / wrong equipment. No protection to sling. Incorrect slinging method.	High	Operatives & other persons in vicinity.	All lifting gear must have a test certificate within the last 6 months. Only competent personnel to use lifting gear who must ensure the right equipment is used and checked.
√	L. P. G. - use of	<i>Fire. Explosion. Asphyxiation.</i>	Medium	Operatives & other persons in vicinity.	Only a quantity of one days advance supply should be stored on site in an approved store(sealed base), not near any surface water drainage. LPG cylinders to be stored separate to oxygen cylinders. Cylinders fitted with flash back arrestors, NO Jubilee clips!! Records of inspection must be kept. All bottles to be stored in a designated cage well away from site.
√	Manual Handling	Excessive stress and strain. Cuts and abrasions. Falls of materials. Slips and trips.	Medium	Operatives & other persons in vicinity.	Where ever possible materials to be moved mechanically. Specific risk assessment for manual handling operations required from all contractors. Light weight block to be used wherever possible. All lifts to be restricted to a maximum of 21Kgs
√	Mobile Elevated Working Platform (M. E. W. P.) - use of.	Collision / Collapse. Encroachment into traffic lanes. Overhead cables. Falls of persons or materials. Incorrect use. Unguarded moving parts.	High	Operatives & other persons in vicinity.	Operators must be trained and competent (CPCS or International Powered Access Platform (IPAF) card). Copy of six monthly test certificates to be produced prior to work commencing. Exclusion zone to be placed around MEWP when stationary.
√	Mechanical Installation		High	Operatives & other persons in vicinity.	Detailed method statement required to show sequence of works with appropriate safety measures.
√	Mobile Towers scaffold - use of	Collapse. Falls of persons or materials. Overhead cables. Site conditions.	Medium	Operatives & other	Towers to be erected by competent persons with Prefabricated Aluminium Scaffolding Manufacturers Association (PASMA) card to the manufacturers' recommendations. Scafftag must be signed off and

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		Overloading Defective materials.		persons in vicinity.	placed on tower completed and signed.
√	Mud on road	Danger of vehicles skidding on slippery roads	Medium	Motorists	Road sweepers will be employed to maintain the roads in a clean condition. This situation needs to be proactive and not as a result of the mud being deposited.
√	Noise	Generated by Hand Tools and Plant	Medium	Operatives & other persons in vicinity.	Noise suppression measures to be employed wherever possible. PPE to be used as a last resort owing to the confined nature of the site. All site personnel will be affected by noise
√	Off loading plant	<i>Injury to personnel</i>	Medium	Operatives & other persons in vicinity.	Plant to be guided on/off under guidance of a banksman. Ground conditions verified, firm, level free from voids. Consideration to be given to the location of the basements.
√	Personal Protective Equipment (PPE)- Provision and use of	Identify need for. Equipment provides adequate level of protection. Equipment fits properly. Different pieces of equipment worn together are compatible. Equipment causes additional hazards i.e. reduced sense of touch wearing gloves.	Medium	Operatives & other persons in vicinity.	All contractors to identify the specific PPE required in their risk assessments. PPE should be compatible and personnel trained in its use. Minimum PPE on site is helmet, steel toe safety boots, gloves and high visibility vest / jacket. PPE identified as being required for an operation to be provided free of charge by employer. PPE register to be maintained. Gloves are mandatory on all Green Haus sites
√	Petrol / Fuel - use of on site	Fire. Explosion. Spills	Medium	Operatives & other persons in vicinity.	Fuel must be stored in appropriate containers in bunded areas in the site storage area only. Fuel to be handled in accordance with Risk and COSHH assessment. Fire extinguisher and emergency spill kit to be available. Signs to be displayed i.e. no naked flames no smoking. The use of petrol operated equipment such as stihl saws to be used only by agreement with the site manager and abrasive wheel permit to work.
√	Permanent structural supports	<i>risk of collapse and injury to personnel</i>	High	Operatives & other persons in vicinity.	Adequate design and support with method statements produced by competent trained individuals.
√	Public Protection	<i>Falls from height & into excavations. Falls of materials. Movement of plant. Electric shock.</i>	High	Operatives & other persons in vicinity.	Green Haus to secure the site to prevent unauthorized access. Areas to be left safe as identified in the specific work assessment if members of public could be at risk.
√	Reversing Vehicles	Poor visibility. Excavations. Physical obstructions. Proximity of other employees. Untrained operators and personnel.	Medium	Operatives & other persons in vicinity.	Green Haus has designed the traffic management plan to eliminate reversing where possible. If vehicles need to reverse it must be under the control of a trained banksman. Plant must have all round visibility or cameras fitted or audible warnings that vehicle is reversing.
√	Roadworks/Highways	Collision. Falls of persons. Falls of materials. Services. Craneage. Excavations. Manual Handling. Dust / Fumes. Movement of vehicles.	High	Operatives & other persons in vicinity.	All works to comply with Street & Road Works Code of Practice, with detailed method statement of how works will be carried out.
√	Roofwork, Use of fragile materials	Falls of persons. Falls of materials, equipment, etc.	High	Operatives & other persons in vicinity.	Detailed method statement required. All works to follow HSE guidance for safe working at height. Work at Height Permit must be issued by Site Manager. If the roof is designed with sky lights then netting will be applied to the underside of the structure to prevent falls.
√	Scaffolding - Tube & Fitting	Overloading. Falls of persons or materials, equipment etc. Collapse. Site Conditions. Poor foundations. Defective materials. Overhead cables. Untrained erectors	High	Operatives & other persons in vicinity.	Detailed method statement required from Scaffolding Contractor. All scaffolders must have CISRS card. Scaffolder to provide handover certificate and identify any scaffolding that is incomplete. Daily / weekly inspections to be carried out. Scaffold to be erected according to SG 04:15 and TG 20:13. All scaffolding to comply with EN 12811 Scaftags to be used

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√	Scaffolding - System	Overloading. Falls of persons or materials, equipment etc. Collapse. Site conditions. Poor foundations. Defective materials. Overhead cables. Untrained erectors.	High	Operatives & other persons in vicinity.	Detailed method statement required from Scaffolding Contractor. All scaffolders must have CISRS card. Scaffolder to provide handover certificate and identify any scaffolding that is incomplete. Daily / weekly inspections to be carried out. Any scaffolds greater than 6 meters to be designed by a competent engineer.
√	Site Access	Traffic. Visibility. Reversing Vehicles. Urban Areas.	Medium	Operatives & other persons in vicinity.	Green Haus to identify Site Access. Signage to be displayed to make public aware of danger of approaching site access. Daily / weekly inspections to be carried out. A set of gates and manned guard house will be employed. Pedestrian access will be via a turnstile with hand recognition
√	Slips, trips and falls	Personal injury	Medium	Operatives & other persons in vicinity.	Ensure the work area, traffic routes are maintained free from obstructions, good housekeeping at all times any spillages are dealt with immediately.
√	Tidiness - Site	Poor storage. Rubbish left to accumulate. Blocked or restricted access. Trailing cables. Protruding nails.	Medium	Operatives & other persons in vicinity.	All Contractors must remove their debris / waste on a daily basis, if this does not occur Green Haus will give 24 hours notice of compliance then bring in labour to remove waste.
√	Traffic	Reversing Vehicles. Movement of plant & materials. Interface with site operatives & members of public	Medium	Operatives & other persons in vicinity.	Green Haus to produce traffic management plan and review it on a regular basis. All Contractors to comply with current traffic management plan. Banksman to be used for all reversing operations.
√					
√	Waste Management	Fly tipping. Overloading. Fire. Pollution. (Including office & domestic waste).	Medium	Operatives & other persons in vicinity.	Green Haus and its contractors will ensure that when waste changes hands, a transfer note complying with the 6 (six) digit coding system as defined in the Landfill Regulations (England & Wales) 2002 is completed. Hazardous waste regulations to be complied with. Copy of Carriers license required.
√	Welding and Hot work	Fire. Burns. Fumes. Explosion. Electric shock. Eye injuries. Trailing hoses / cables.	Medium	Operatives & other persons in vicinity.	Hot works permit to be issued. Welding equipment to comply with manufacturers recommendations and be operated by competent persons. Work to cease an hour before finish and inspection regime followed & carried out within this time.
√	Work Equipment - use of	Untrained operator. Poorly designed & constructed. Flying fragments. No safety system. Incorrect use.. Fire & explosion. Poor maintenance Unguarded moving parts. Poor lighting.	Medium	Operatives & other persons in vicinity.	Work equipment to be recorded and used in accordance with manufacturer's recommendations. It must be fit for purpose and used by competent personnel. Debris must not be allowed to accumulate around work equipment.
√	Working at Height	Falls of Persons / Objects.	High	Operatives & other persons in vicinity.	Where working at height cannot be avoided, a method statement and risk assessment detailing suitable equipment, control measures to prevent falls of persons and objects, weather conditions etc. must be provided. A plan for emergencies and rescue must be included. Equipment must be appropriately inspected. Safe working platforms and adequate edge protection. Harnesses to be worn where appropriate tools to be secured by lanyard. Weekly inspections to be carried out by suitably qualified personnel.
√	Poor Hygiene	Weils Disease	High	All site personnel	Good hygiene must be followed and adequate welfare facilities to be provided

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HUMAN IMPACT MANAGEMENT PLAN

Company Name:	Green Haus Limited
Company Address:	4 West Avenue, Stainforth, Doncaster, DN7 5EB
Company Telephone Number:	07470 476506
Company Email Address:	brett@green-haus.co.uk
Company Health & Safety Advisers:	TBC

Protecting the Public: General Guidance

Introduction: It is not only workers who are at risk from construction work. Members of the public are killed and seriously injured each year. The dead and injured include children. Accidents often happen when people are walking near a building being built, refurbished or demolished, or walking near work in the street. Remember, when working in public areas, the work needs to be planned and executed to take account of the needs of children, people with prams, the elderly and those with disabilities.

Falling Materials: It is currently not envisaged for any scaffold to be placed next to or over a public footway, however more than likely to be within the site boundary which carries a risk to operatives and visitors on site. Protect passers-by with brick-guards and/or netting on scaffolding, but remember most netting will only retain light material. Fans and/or covered walkways may also be needed where the risk is particularly high. Use plastic sheeting on scaffolds to retain dust, drips and splashes which may occur when cleaning building facades. Make sure the sheets do not make the scaffold unstable. When using gin wheels or power driven hoists, select a safe place where members of the public are not at risk. Use hooks with safety catches when lifting. Use debris chutes when removing debris into a skip. Cover over the skip to stop flying debris and cut down dust. Remove loose materials and debris from scaffold

Platforms: Do not stack materials on scaffolds unless it is needed and then not above the level of the toe board unless brickguards or another way of retaining material has been provided. Remove or tie down loose materials and scaffold boards if high winds are possible. Make sure site hoardings will stand up to high winds.

Wagon Movements

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All wagon deliveries will be under the control of a banksman. Reversing will be kept to a minimum. Wheel wash facilities will be in place to keep mud on the road to a minimum. All wagon drivers will be inducted and clear instruction must be given prior to arriving at site.

Dust, Noise and Hot Work:

Fence off hot work such as welding or the use of disc cutters to contain dust and sparks. Fence off bitumen and similar boilers, which have to be sited in a public space. Suppress dust using watering down procedures. Noise to be kept below 80db and only permitted in working hours.

Site Visitors:

Make sure site visitors report to the person in charge of the site and know where to go - notices at the site entrance may be required. A waiting area may be needed. Visitors should not be allowed to wander around the site alone. A booking-in system will be needed.

Arrange and sign access routes across the site to keep visitors away from site hazards.

Dust to be kept to a minimum and suppression to be used. The development will operate within strict time guidelines to avoid generation of noise outside of normal working hours.

Keeping the Public Out:

A perimeter hoarding will need to be put up and maintained. If alterations are needed or safeguards have to be taken down, make sure they are put back when the job is finished, before leaving the site for meal breaks, and at the end of the day. Lock the site gates and any other doors and windows at night. Many children see construction sites as adventure playgrounds. Even though they may be entering the site without authority or may be trespassing, they should still be protected from site dangers. Many will be too young to appreciate the risks they are running.

Take the following steps to reduce the chance of children injuring themselves if they do get onto the site. At the end of the working day:

- barrier off or cover over excavations, pits etc;
- isolate and immobilise vehicles and plant and lock them in a compound;
- store building materials, such as pipes, manhole rings, cement bags etc so that they cannot topple or roll over;
- remove access ladders from excavations and scaffolds; and
- lock away hazardous substances. Security measures may also be needed. These can often strengthen safety measures.

Work in the Roadway or Footway:

When working on the footpath or roadway, there could be a hazard to pedestrians and traffic. Road traffic may also present a hazard to the people on site. The Code of Practice, *Safety at street works and road works* relating to the New Roads and Street Works Act 1991 will be utilised giving advice about traffic signing, the protection of work areas and pedestrian diversions. When planning work in streets or similar areas consider:

- a. Signs for traffic and pedestrians; temporary traffic controls

- b. Cones or other barriers to mark the safety zone
- c. Barriers to protect the public. Barriers around street works perform two functions. First, they alert the public to the presence of such work and help to direct them away from the site. Secondly, if members of the public do approach the site, the barriers should be of sufficient strength and stability to prevent them being injured if they fall;
- d. Suitable temporary walking surfaces for pedestrians;
- e. Storage of materials, for example, do not leave paving slabs propped on edge, or pipes loosely stacked in areas where they might be disturbed;
- f. The movement of vehicles and plant into and out of the work area;
- g. Providing high visibility clothing for those working on or next to the roadway;
- h. Other hazards, such as buried cables

Tripping hazards: Fence excavations in the footpath or roadway. Store work materials out of the path of pedestrians and road users. Keep pavements free of tripping hazards. Make good any damage (temporarily if necessary) as soon as possible. Watch out for trailing cables.

Extra lighting might be needed at night if there is insufficient street lighting. On some occasions the pavement will have to be closed to protect the public, for example, during pavement work, demolition work, facade cleaning, raising hot asphalt, scaffold erection or dismantling. The area will need to be barriered off and a safe alternative route provided for pedestrians.

PLANNING PROCEDURES

All work will be tendered for or negotiated in accordance with the approved standards.

The Site/Project Manager will arrange for suitable equipment and protection for the public to be provided taking into account the work to be carried out and the approved standards.

Where necessary discussions will take place between the Contracts Manager and the local Highway Authority, Police, etc. on road crossings traffic management etc.

SUPERVISION

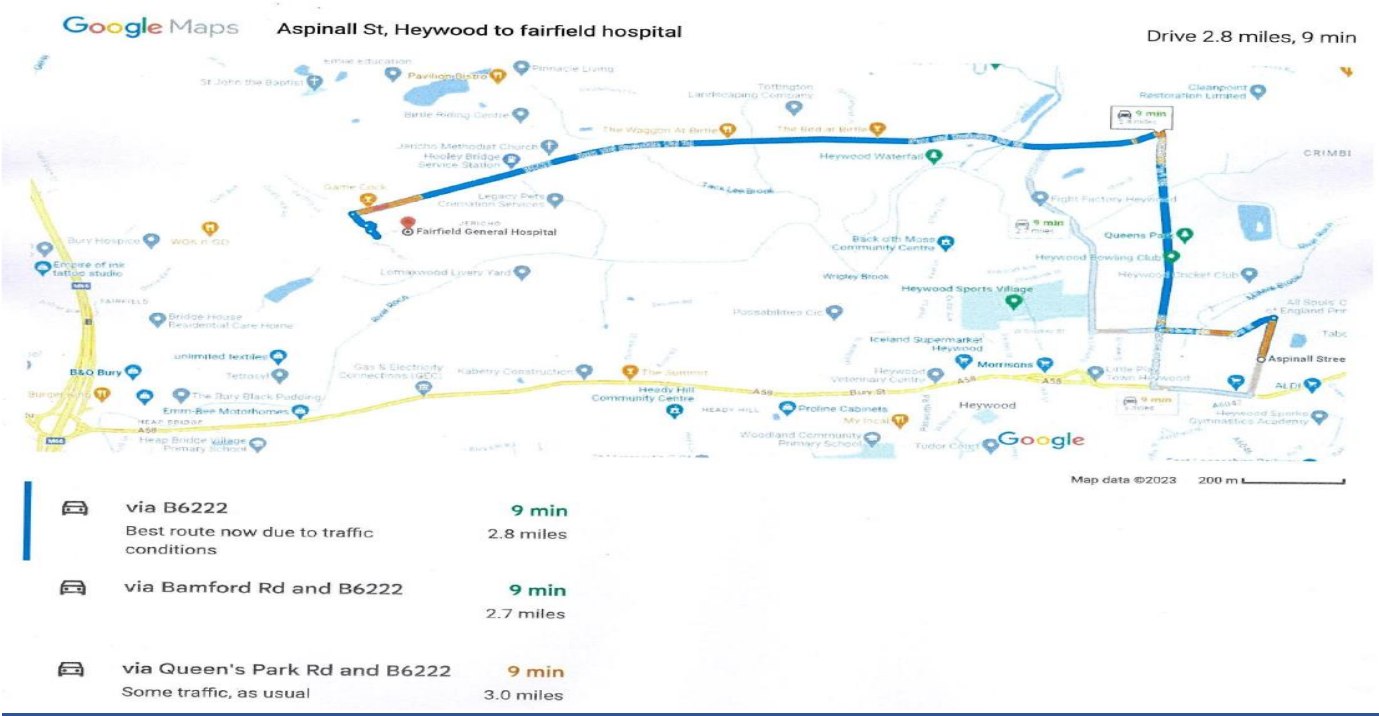
The Site Supervisor/Manager will ensure that any necessary preparatory work required to ensure that the public are protected during occupation of the site e.g. protected walkways, fans, access roads traffic control measures etc. are carried out in accordance with planned requirements.

The Site Supervisor/Manager must ensure that any defect notified to him during operations on site is reported immediately for repair and that where the defect could affect safety on site the item of equipment or area must not be used until repairs are carried out.

Children and unauthorised persons must not be permitted to enter working areas at any time, in particular whilst plant is in use and all necessary measures required to avoid hazards to children and unauthorised persons on the site outside working hours must be taken, particularly if it is not possible to fully fence the site.

E

ROUTE TO NEAREST A&E



F

DUST POLICY

Policy:	Dust Control and Monitoring	Revision:	001
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1	PURPOSE OF THE PROCEDURE	
	1.1	To set out the means of controlling and monitoring Dust on site and surrounding areas.

2	CAUSES of Dust Generation	
	2.1	
	2.3	CONSTRUCTION Cutting, grinding, drilling, sawing, breaking trimming, planing, sanding Cutting roadways, pavements, blocks etc Raking out mortar/pointing Angle grinders/disk cutters Mixing and granular materials Soldering Sweeping Cleaning
3	Dust Control Procedure	

	3.1	PREVENTION Methods of dust prevention and suppression should be discussed and agreed at the start of the project • methods and materials should be used to ensure that dust generation is minimised • the use of prefabricated materials wherever possible Optimum site layout as follows: • dust generating activities to be located away from sensitive receptors • there must be an adequate supply of water for damping down dust with sufficient hoses to reach all parts of the site • water supply should be conveniently located if possible, for example, near dust generating activities. • good site housekeeping and management. • materials cut by guillotine and not by abrasive tools • dust control equipment should be readily available on site from the commencement of works. The choice of plant and equipment and the method of work should reflect the necessity to employ best practicable means in the control of dust. • Generally, where alternative methods exist, intrinsically dusty operations, such as dry sweeping or dry sandblasting should not be used. DUST SUPPRESSION Dust suppression will be carried out to prevent the airborne movement of dust into adjacent occupied areas. • Keep site fencing, barriers and scaffolding clean using wet methods. • Excavations and reduce level dig to be monitored and damping down carried out as required. • Provide easily cleaned hard standing for vehicles and clean using wet sweeping methods. • When required, clean the Public Highways and accesses using wet sweeping methods especially during dry periods. • Impose and signpost maximum speed limits of 5 mph on routes and work areas within the site. • Ensure all vehicles carrying loose or potentially dusty material to or from the site are fully sheeted. • Store materials with the potential to produce dust away from site boundaries. • Ensure water suppression is used during demolition operations. • Site personnel shall be trained in dust mitigation and a manager shall be present for managing dust on site. • Areas where there is vehicular movement should have a consolidated surface which should be kept in good repair. • Where there is evidence of airborne dust from demolition activities, we will make our own inspection and assessment, and where necessary undertake ambient monitoring with the aim of identifying those process operations giving rise to the dust. Once the source of the emission is known, corrective action will be taken.
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	3.2	• Spraying/dampening down of haul roads and areas of site where dust is likely to be created. • Weather forecasts to be monitored and proactive action to be taken if deemed necessary. • Dust to be captured at source using LEV's. Care to be taken to ensure that the emissions from these does not exhaust into areas occupied by the public. • All sweeping to be carried out using vacuum cleaners, manual sweeping to be avoided • Cutting of brick and block using stihl saws must use water suppression. • All dust must be controlled and retained within the site boundary. On no account must dust be allowed to contaminate public areas.
	3.3	HEALTH SURVEILLANCE • All operatives on site who are required to use RPE must use a mask to at least FFP3 standard and must have been face fitted for that mask.

G

NOISE & VIBRATION POLICY

The operation of vehicles and machinery on site can generate noise and vibration. The following plan will outline the procedures in place to prevent excessive noise and vibration affecting local residents and businesses outside the site boundary and measures to be established to monitor the effectiveness of said procedures.

The Best Practicable Means (BPM), as defined in Section 72 of the Control of Pollution Act 1974, shall be employed at all times to reduce noise (including vibration) to a D02675-010.rev minimum, with reference to the general principles contained in British Standard BS5228: 2009 +A1:2014 'Noise and Vibration Control on Construction and Open Sites'.

Theoretical assessment has been undertaken in accordance with the British Standard 5228

Operations that involve the generation of noise and / or vibration will be planned in advance and adequate notice will be given to local residents and businesses of the potential disruption.

Except where expressly permitted, no operations which are audible at the adjacent noise sensitive buildings shall be carried out on:-

Outside the hours of 07.30 hours to 18.00 hours Monday to Friday. And 09.00 until 14.00hrs on Saturday

No noise to be generated on Sundays and Bank holidays.

Localised Control Measures

The following hierarchy of controls should be considered:

Designing the activity to avoid processes which will causes noise and vibration.

Using enclosures that reduce the amount of noise being transmitted.

Noise and Vibration

- Noise attenuation screening to be used if deemed appropriate and noise monitoring to be carried out at the start and at regular intervals during each task period in accordance with the British Standard. Any mobile screens shall have sufficient mass so as to be able to resist the passage of sound across the barrier and to be free of significant holes or gaps between or under any acoustic panels or board materials as far as reasonably practical.
- The site layout will be reviewed to ensure noise generating operations are kept as far away as possible from local residents.
- The types of machinery employed will be examined to ensure the lowest noise /vibration generating equipment is used.
- Wherever possible noise will be controlled at source.
- All plant and machinery will be maintained on a regular basis and logs will be maintained on a weekly basis. The newest machinery will be employed
- All compressors, percussion tools and vehicles will be fitted with effective silencers of a type recommended by the manufacturers.
- Delivery wagons will not be allowed to approach site except within the permitted time zones. They will not be allowed to wait with engines idling.
- Generators will be housed in sound proof cabinets
- Electrical powered tools will be used as often as possible to reduce noise levels. An electrical power supply will be established to prevent the use of generators
- A traffic management plan will be introduced. Staggered deliveries will be arranged to prevent wagons from queuing.

Monitoring Site log

- Background noise levels will be established prior to the project commencing.
- Any complaints from local neighbours or businesses will also be logged.

Signage and communication

- Signage will be spread around site informing the public who to contact should an incident occur.
- If excessive levels are to be exceeded outside the above stated hours a circular will be sent to all neighbours who may be affected.
- These issues have also been covered in the Community Consultation Strategy with particular regard to the letter drops and signage.

Policy:	Noise and Vibration Control	Revision:	001
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1	PURPOSE OF THE PROCEDURE	
	1.1	To set out the means of controlling and monitoring noise and exposure to vibration.

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2	CAUSES of Noise and Vibration	
	2.1	NOISE Breaking Drilling Plant operations Cutting Grinding
	2.2	VIBRATION Hand held power tools
3	Noise and Vibration Control Procedure	
	3.1	<u>NOISE</u> <u>The predicted noise level on site is 85 dB</u> <u>The quietest and newest vehicles/plant machinery shall be used at all times. All vehicles and mechanical plant used for the purpose of the works shall be fitted with effective exhaust silencers, shall be maintained in good and efficient working order and operated in such a manner as to minimise noise emissions.</u> <u>The Best Practicable Means (BPM), as defined in Section 72 of the Control of Pollution Act 1974, shall be employed at all times to reduce noise (including vibration) to a D02675-010.rev minimum, with reference to the general principles contained in British Standard BS5228: 2009 'Noise and Vibration Control on Construction and Open Sites'.</u> <u>Noise attenuation screening to be used if deemed appropriate and noise monitoring to be carried out at the start and at regular intervals during each task period. Any mobile screens shall have sufficient mass so as to be able to resist the passage of sound across the barrier and to be free of significant holes or gaps between or under any acoustic panels or board materials as far as reasonably practical.</u> <u>In order to comply with the Control of Noise at Work Regulations 2005 Green Haus Limited as an employer will ensure that a worker is not exposed to noise levels above either of the following an exposure limit of 80 dB daily noise exposure level.</u> <u>If a worker is or may be exposed to potentially harmful levels of noise, or if information indicates that a worker may be exposed to a level exceeding 82 dB, the employer will measure the noise exposure.</u> <u>Green Haus noise control program involves;</u> • <u>Noise measurement</u> • <u>Education and Training</u>

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	3.1	• <u>Hearing protection</u> • <u>Posting of noise hazardous areas</u> • <u>Noise assessments are to be carried out by our Health & Safety auditor when we require him to do so during site audits.</u> <u>Where the measured noise levels are more than 3 dB (A) above the predicted noise levels or in the event of a complaint of noise an investigation shall be carried out to ascertain the cause of the exceedance or the complaint. Also to check that Best Practicable Means are being used to control the noise in accordance with the steps set out in the application for 'prior consent'. Noise levels shall be reduced further if it is reasonably practicable to do so.</u> <u>Green Haus and its sub-contractors will ensure that, where reasonably practicable, nobody on site is exposed to noise in excess of 80dB(A). Where noise levels are suspected to be at or above 80dB(A) the direct employer will be responsible for ensuring a suitable noise assessment is carried out. Suitable hearing protection must be made available to all affected personnel on request. Sub-contractors undertaking work that continuously exceeds the noise level of 85dB(A) hearing protection zones must be set up with clear warning signs positioned.</u> <u>Completed Workplace Noise Assessments or Sub-contractors equivalent will be filed in the site H&S file.</u> <u>On completion of the noise assessment Green Haus and its sub-contractors will provide relevant information, instruction and training to employees at risk from excessive noise levels.</u> <u>Suppliers of plant will be required to supply guidance on anticipated noise levels.</u> <u>All compressors, percussion tools & vehicles will be fitted with effective silencers of a type recommended by manufacturers of the compressors, tools or vehicles.</u> <u>Under Section 60 and 61 of the Control of Pollution Act 1989 permissible levels of environmental noise may have been stated by the local authority, in this instance the levels must be adhered to.</u> <u>Except where expressly permitted, no operations which are audible at the adjacent noise sensitive buildings shall be carried on:-</u> <u>Outside the hours of 07.30 hours to 18.00 hours Monday to Friday. And 09.00 until 14.00hrs on Saturday</u> <u>No noise to be generated on Sundays and Bank holidays.</u> <u>VIBRATION</u> <u>Wherever possible the use of hand held tools which generate vibration will be avoided. When tools are used then risk assessments will be carried out to assess the exposure to individual operatives. The vibration levels generated from each tool on site will be assessed to each operative will be recorded.</u>
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