



# Method Statement

## *For the Demolition and Associated Works at*

Base 51  
Cairn Street  
Nottingham  
NG1 3NN

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Check By: William D Crooks MIDE  
Date Prepared: 09/12/20

Start Date: January 2021  
Client: Code Students  
Cawarden Co Ltd, Scotland Farm, Far Lane, Ockbrook, Derby, DE72 3RX.





Job Name: Base 51  
Job Number: 3143



## **CONTENTS**

- 1. Preamble and General Description of works**
- 2. Asbestos containing Materials**
- 3. Site Management and Responsibilities**
- 4. Security**
- 5. Emergency Procedures/A&E Hospital**
- 6. Alterations to Method Statement**
- 7. Documentation**
- 8. Work at Height**
- 9. Access/Transport**
- 10. COSHH**
- 11. Personal Protective Equipment**
- 12. Training**
- 13. Manual Handling**
- 14. Hygiene and Welfare**
- 15. Environmental and Health Issues**
- 16. Work Equipment/Subcontractors**
- 17. Work Method**
- 18. Methods of Works specific**

**Do not undertake any works or actions until the below statement is understood**

**Covid-19 Pandemic**

This statement needs to be understood by all site members and to be read in conjunction with the Covid-19 statement issued by Construction Leadership Council (CLC) for all construction projects that are operating during the Coronavirus Covid-19 pandemic, and provides important information to ensure the protection of our workforce and minimising the risk of spread of infection. The document has been reviewed and areas clarified and as such is Policy for Cawarden Demolition on the 18th of April 2020. A full hard copy of that statement will be onsite with the demolition team and the site management before any site works start. Cawarden will issue the CLC statement to all of our site team via email and post so that the particulars are addressed in a timely fashion and beforehand. The below summary gives a basic understanding of the bulletin points highlighted in the CLC statement.

**Before you attend your work place:**

- Do not attend work if you feel ill or unwell and stay at home in the first instance
- Any person who exhibits Covid-19 symptoms should self-isolate and not travel or present themselves for work.
- Consider working from home if at all possible
- Consider traveling on your own in your van or car and not mixing with others
- Try and travel off peak if you are using public transport if you have to

**When you get to your place of work the site management will have:**

- Reduced the numbers on site to enable compliance, displaying notices to promote and reinforce the need to maintain personal space at all times
- Ensure that your company has provided you the correct P.P.E.
- Arrange shifts and breaks to allow reduced occupancy, breaks may be taken in vehicles at this time.
- Refrain from site meetings and gatherings in groups to omit further risks
- Congregation around site entrances is not permitted and smoking is not permitted by workers within 150m of the site entrance. All PPE must be removed if leaving site as a pedestrian.
- Where possible site operatives will be asked to maintaining a 2-metre distance from others, and washing your hands with soap and water often for at least 20 seconds (or using hand sanitiser gel if soap and water is not available)
- Supplementary Covid-19 information will be displayed on site notice boards.

### Options to consider

- Site will provide suitable welfare and a cleaning regime noted in the table on the full Operational Safeguarding Procedures document
- Site teams must have good hygiene including regular hand washing for at least 20 seconds using soap or sanitiser and use of hand sanitiser and hard surface wipes is to be promoted and maintained.
- Our client will continue to control and restrict access to site and allow only authorised workers entry.
- Make sure emergency contact details are up to date for all site operatives and management.
- Collectively subcontractors must submit revised RAMS or amendments to RAMS at this time
- Current NHS / PHE guidance is that they do not recommend use of RPE or face masks in this situation whilst at this stage but will review if needed to
- Site management will monitor for any person who may present with Covid-19 symptoms.

Any disrespectful behaviour including offensive social media posts, malicious complaints to HSE, offensive behaviour like spitting, must be dealt with by exclusion for site workers.

***For clarity the above summary must be read in conjunction with the CLC Operational Safeguarding Procedures, any doubt use your phone and ask your management for advice.***

## 1. Preamble and General Description of works

### Scope of works

Cawarden Co Ltd has been awarded the contract to undertake the following works: Demolition, site clearance and associated works for the Base 51 building in Nottingham. The works include the demolition of the former building within the site area as detailed on the demolition plan. All slabs and foundations will be raised and crushed to a 6f2 material to be reused on site. Cawarden shall also undertake the following:

- Removal of non-licensed asbestos as per the survey provided.

All waste materials shall be removed from site and Cawarden will act a Principal Contactor throughout the project until handed back to code Students.



Job Name: Base 51

Job Number: 3143



All waste/recyclable materials arising from the demolition works will be removed from site and transferred to a licensed recycling facility.

On completion of demolition and clearance the Demolition site Manager will meet with the client to ensure all works have been satisfactory undertaken and a project completion form completed.

### **Estimated Site Specification:**

#### **Personal on site:**

1 x Demolition Site Manager (SMSTS or above qualified)

Up to 6 x Demolition Operatives (CCDO & Asbestos Awareness qualified)

Up to 3x 360 Excavator Operators (CPCS or NPORS Competent Operators)

#### **Machinery On Site:**

2 x 20-30 Tonne Demolition Excavators with demolition attachments

1 x mobile crushing unit

#### **Equipment on Site:**

360 rotating or fixed grapple attachments

Numerous Rigid or hydraulic Pulveriser

Doubled bundled bowsers

Hydraulic Breaker

Heras Fencing and Crowd Barrier

Moto fog or Dust Boss Dust suppression units if needed

Numerous bucket attachments

Job Estimation: 10 Weeks

### **Site location and Environment**

The site is located off Cairns Road in Nottingham and is surrounded by a variety of commercial properties.

Demolition operatives therefore must take into consideration the volume of traffic in the immediate area of the site, taking necessary precautions to maintain everybody's safety. The Cawarden's site manager will decide when the best times are to allow vehicles in and out of site. Demolition operatives must also take into account the surrounding environment and use appropriate techniques.

Demolition operatives should maintain a duty of care towards the surrounding workers. They should make sure that noise and dust is kept to a minimum.

Cawarden SM to sign to confirm that security measures are in place \_\_\_\_\_



Job Name: Base 51

Job Number: 3143



All vehicles accessing and egressing the site will be supervised by an experienced Cawarden banksman- **No vehicles to reverse unless supervised.**

1.1 Hours of work will be:

- Monday-Friday: 0800-1800
- Saturday: 0900-1300
- Sunday: No Work

### **Additional information**

- 1.2 Vehicles must park within the site designated area.
- 1.3 Smoking is only permitted in designated areas.
- 1.4 Radios are not permitted on site.
- 1.5 **MOBILE PHONE** use is not permitted on site unless in an emergency. A designated Area shall be made available in the compound for the use of mobile phones.
- 1.6 Eating is not permitted in the work area.
- 1.7 Roadways and pavements shall be kept clear for movement of both traffic and Pedestrians.
- 1.8 **110 volt power tools only are permitted for use on site.**
- 1.8.1 Materials to be removed from site during normal site working hours.
- 1.8.2 Standards of behaviour will be of the highest standard at all times.
- 1.8.3 Noise & Dust: in accordance with BS5228 Noise control on Construction and Demolition sites and the institute of air quality management (IAQM).
- 1.8.4 Vibration refer to BS 5228.
- 1.8.5 Code Students will issue all disconnection certs.
- 1.8.6 Cawarden shall carry out dilapidation survey prior to the works.
- 1.8.7 Cawarden shall carry out a letter drop to neighbouring properties to inform them of the works being carried out and site/emergency contact details.

## **2. ASBESTOS CONTAINING MATERIALS**

2.1 Pre demolition asbestos surveys for all buildings to be demolished have been carried out by a licensed contractor

2.2 All licensed asbestos containing materials found will be removed prior to demolition by a licensed contractor

2.3 All non-licensed asbestos shall be removed as per the survey and will be removed by Cawarden CO Ltd.

Asbestos removal will be **HIGH RISK WORK**.

### **3. SITE MANAGEMENT/ RESPONSIBILITIES**

3.1 Site Supervisor: TBC

3.2 Site Supervisors responsibilities are the day today running of the site, ensuring compliance with current Health and Safety and Environmental legislation, including supervision of plant, vehicles and all demolition activities.

3.3 Demolition supervisors hold a current NFDC Site Gold Supervisors card or SSSTS , first aid, demolition and asbestos awareness . Copies of all certificates will be provided.

3.4 Responsible Director for the works will be William D Crooks MIDE.

3.5 Samuel Crooks will act as Contracts Managers along with Managing Director William D Crooks MIDE in his absence.

3.6 Oliver Crooks will act as Lead QS for the works.

### **4. SECURITY**

4.1 A combination of Heras Fencing along with existing boundary fencing etc will be in place to ensure entry into the work area is controlled. Cawarden beware Demolition work signs will be displayed at various points around the site.

4.2 All hand tools will be stored in lockable containers or removed from site at the end of each working day.

4.3 All Plant and Equipment will be isolated, secured and guarded at the end of each working day. Keys will be removed from equipment when left unattended.

### **5. Emergency procedures/A&E hospital**

5.1 Emergency procedures will be as detailed in our emergency procedures poster-to be displayed in the site office.



5.2 Specific emergency procedures will be developed for each work process in accordance to the Cawarden's site rules.

5.3 The procedures will be confirmed and agreed by all parties prior to the commencement of work, so as to ensure that in the event of an emergency situation developing, there is no misunderstanding of the actions to be taken.

5.4 A first aid kit and fire extinguishers will be readily available on site. The Site Supervisor/Manager is appointed as the person responsible for First aid. A deputy will be appointed in his absence.

5.5 In the event of an accident or dangerous occurrence the Site Supervisor/Manager will comply with statutory RIDDOR reporting procedures

5.6 A complete list of all Cawarden staff on site will be maintained, a roll call will be made in the event of an emergency or an evacuation becomes necessary.

5.7 Cawarden will adopt **its own** emergency muster points.

Cawarden Co Ltd



#### EMERGENCY DETAILS

SITE ADDRESS	
SITE MANAGER	
EMERGENCY CONTACT	
SITE FIRST AIDER AT WORK	
FIRST AID KIT & ACCIDENT BOOK LOCATION	
MUSTER POINT LOCATION	
LOCAL HOSPITAL	
LOCAL HSE OFFICES	

## 6. Alterations to Method Statement

6.1 We reserve the right to alter any part of this method statement in the light of further information or a change in circumstances.

6.2 Alterations or modifications to this Method Statement will be communicated to any person who may be affected by those changes. These may be provided in writing. The Client will also be provided with a copy of any revisions.

## 7. Documentation

7.1 The following documents will be available:

- Company Safety Policy
- Pre Demolition Health and Safety pack
- All Asbestos Surveys
- Method Statement and risk/other Assessments
- Statutory notices
- Copies of plant operator's licences (CPCS)
- Copies of all operatives' certificates (CCDO Etc.)
- Employer's Liability Insurance





Job Name: Base 51  
Job Number: 3143



- NFDC Membership Certificate
- All accreditations
- Site Paperwork
- Copies of relevant documents provided by client
  - Scope of work
  - Disconnections and drawings

## 8. Work at Height

8.1 Work at height will be minimised where possible.

8.2 Where work at height is unavoidable, specific control measures will be introduced to prevent the risk of a person falling.

8.3 Our initial risk assessment has identified that work at height will only be required in the following areas.

1. Removal of fixtures and fittings via Podium and tower scaffolds.
2. Removal of non-licensed asbestos via a MEWP

All podiums/tower scaffolds will be erected by PASMA trained operatives and have scaff tags displayed. All MEWPs will be operated by IPAF qualified operatives.

## 9. Access/Transport

9.1 All vehicles / plant accessing and egressing into site will be supervised by an experienced Cawarden banks man and will only be allowed into site in the agreed access times.

9.2 A traffic management plan has been developed by **Cawarden**; this will be displayed on the cabin wall and communicated during the site induction. Cawarden will review this at different stages to insure the traffic management plan is appropriate as the works into different sections of the site progresses.

**Cawarden SM to sign to confirm regular review of the traffic management plan is being undertaken** \_\_\_\_\_

All site deliveries and removals shall adhere to the site rules that will be in force all traffic will be controlled by a Cawarden Banksman taking due care and consideration. All Lorries and plant coming onto site shall be fitted with flashing amber beacon and warning reversing sirens and shall adhere to the onsite speed restriction and signs.

Reversing manoeuvres shall be limited where reversing is required a Cawarden banks men shall be supplied.

All site personnel shall be equipped with all PPE to comply with the site rules and all banks men shall be trained.

If excessive dirt has been transferred onto the public highway a road sweeper shall be deployed to clean the area by Cawarden.

All vehicles will inform the site manager of their arrival 30 minutes prior to arriving on site. Please note all delivering contractors will be instructed by a designated person of the site plan and restrictions.

**NO DELIVERIES WILL BE ALLOWED TO IDLE ON THE ROADSIDE AT ANYTIME**

- No reversing of delivery vehicles without a Traffic Marshal. (Within, in or out the project)
- Site speed limit is 5 MPH (8 KM/H).
- Drivers are to obey all instructions given to them whilst on site either by the Security staff or Traffic Marshal, or any member of the staff.
- No access is permitted on to the backs of lorries/trailers without full edge protection / safe systems of work.
- Drivers are not to use mobile phones while driving.
- Drivers WILL remain in their vehicles unless they are wearing minimum acceptable site PPE (Head protection, hi-viz vest / jacket, gloves, safety eyewear and safety footwear). When directed they will wait in a safe area.
- If the vehicle is left unattended. It must be left in a safe and secure manner. i.e. brakes applied & engine switched off and disabled but with keys left in the ignition.
- Only authorised persons may enter the vehicle unloading / loading area.
- If the driver leaves his vehicle, he must inform Site Security where he is going e.g.toilet, canteen etc.
- Drivers will not be allowed to walk around the main site area unless they have attended a full site safety induction or they are escorted.
- All vehicles are to STOP at the exit gate and prior to moving out onto the public highway.
- BEWARE of pedestrians and other road users when leaving the site.
- Do not unload vehicle without assistance – mechanical and safety.

## **10. COSHH**

10.1 Substances or materials requiring assessment under the control of substances Hazardous to Health Regulations 2012, which may be brought to site or encountered, will be controlled according to the COSHH Assessments included in this document.

10.2 COSHH Assessments will be provided for the following: -

- Cement dust

- Manmade mineral fibre (Rockwool)
- Fuels
- Oils

### Other Significant Risks

1, Leptospirosis Disease – Operatives shall be made aware of the potential of Leptospirosis and shall ensure that any cuts are reported to the site office so they can be cleaned and covered. All cuts/injuries shall be recorded in a detailed incident report and actions taken. Cawarden shall ensure all the correct PPE is worn to minimise cuts.

2, Psittacosis/Pigeon droppings – All operatives working around pigeon dropping shall be informed of the dangers. They shall at all times wear a half face mask and overall along with gloves, safety boots and goggles. They shall not come into contact with bird droppings at any time.

3, Human Excrement/Waste – Operations around Human excrement shall be as above. Operatives shall not come into contact with Human Excrement without wearing the corresponding PPE.

## **11. Personal Protective Equipment**

11.1 The P.P.E listed below will be worn by all persons working on this project:

- Head Protection – at all times (Site Supervisor/Manager to wear Black safety helmet). **Type 1 class c En397:1995**
- Safety footwear – at all times. **En ISO 20345**
- Hi visibility clothing – at all times. **BS En471 Class 2**
- Gloves – at all times. **En 420:2003**
- Half face FFP3(face fitted to each individual person). **Moldex 7000 En 140:1998, P3R Filters En143:2000**
- Filters used for cutting pipe work. **AIBIEIKI En 14387**
- Ear protection for over 80dB **EN 352 noise reduction rating 20dB**
- Eye protection – when involved in any Demolition works. **EN166-F specification low impact safety glasses soft strip.**  
Full face visor/shield for hot cutting works.  
Sealed clear goggles to be used for grinding and cutting **EN166-B medium impact.**



## **12. Training**

### **12.1 Site Safety Induction – Employees**

Safety induction Training will be given by the Site Supervisor for all demolition personnel, referring to all appropriate information.

### 12.2 Site Safety Induction – Visitor

Authorised visitors to site will when necessary receive a Safety Induction, with appropriate information provided regarding, emergencies, first aid, PPE requirements, and access around site.

Visitors will be escorted by the Site Supervisor/Manager or other responsible person after being inducted by Cawarden's site manager. All visitors will wear the appropriate PPE.

### 12.3 Training in Work Methods

All persons will be made aware of the contents of this Method Statement and Risk Assessments and instructed to work accordingly to its requirements.

A record of persons receiving induction will be maintained on site.

### 12.4 Training for Cawarden staff

All Cawarden staff hold relevant qualifications and copies of these will be held on site.

## 13. Manual Handling

13.1 Manual handling will be necessary for the removal of items within the buildings.

13.2 All site personnel will be given a tool box talk in manual handling techniques.

13.3 A manual handling assessment has been prepared by the Site Manager on Site.

## 14. Hygiene and Welfare

14.1 On site welfare and hygiene facilities will be provided by **Cawarden** in accordance with CDM regulations 2015 schedule 2 welfare facilities regulations 9(1)(b), 13(7) and 22(1)(c).

### Facilities will include:

- Site office
- Canteen area
- Warm and cold running water
- Toilet facility
- Drying room
- Power providing adequate warmth and lighting

## 15. Environmental and Health Issues

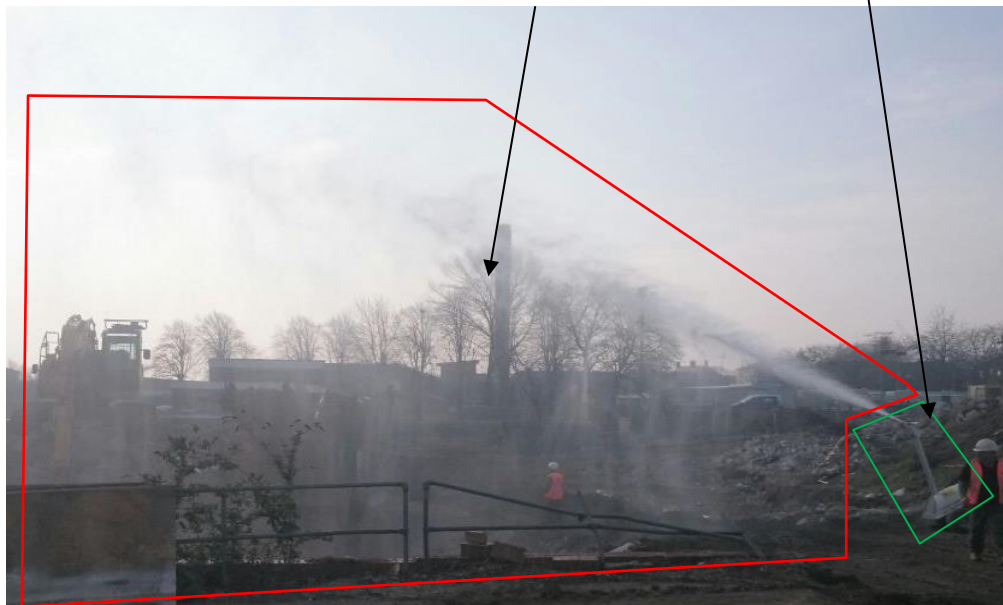
### 15.1 Dust

It is inevitable that dust will be produced during the Works. Although this will be minimised where possible, all operatives who are working in dust will wear half face FFP3 masks.

The list below shows items that need to be suppressed and how they will be suppressed:

- Demolition of buildings – Use of water mist cannon as shown below if needed
- Processing of materials – Use of water mist cannon or pressure washer bower
- Crushing of materials – Use of water mist cannon or pressure washer bowser

Dust will be suppressed by damping; the method of this damping will be decided dependant on the situation daily. However mist cannons shall be used to mist the dust throughout the whole project. **As shown below (Area being misted) (Mist Cannons)**



## 15.2 Noise

Noise will be produced as a result of the following activities:

- Use of portable hand held tools
- Cut off Saws
- General internal strip out works
- Movement of plant and machinery
- Demolition of buildings
- Processing of materials
- Breaking of slabs and hard standings.
- Crushing of materials

Operatives will read manufacturer's instructions prior to using equipment stated above anything over 80dB will require ear protection. As per the noise at work regulations which states 'The level at which employers must provide hearing protection and hearing protection zones is 85 decibels (daily or weekly average exposure) and the level at which employers must assess the risk to workers' health and provide them with information and

training is now 80 decibels. There is also an exposure limit value of 87 decibels, taking account of any reduction in exposure provided by hearing protection, above which workers must not be exposed.'

### **15.3 Recycling**

We are committed to the recycling of materials. The following materials will be transported to a licensed recycling centre and recycled for future use.

- Timber
- Electric cables
- All ferrous & non-ferrous metals
- Plastics
- Hard-core
- General Waste

## **16. Work Equipment /Subcontractors**

16.1 All work equipment is company-owned and will be suitable for its intended use, maintained in good order and will be subject to specified inspections/testing and thorough examination procedure.

16.2 All paper work will be kept in the office for inspection. This will be for all equipment used on site. PUWER checks shall be carried out on a daily basis

16.2.2 All lifting equipment shall be subject to LOLER and checked weekly as applicable.

16.3 A variety of work equipment will be used during the project, including:

- Hand tools as required, tech guns, hammers, pry bars, brushes, shovels and wheelbarrows etc.
- Hand held power tools as required, Kango breakers, cut off saws etc. (Vibration logs must done)

- Demolition in progress signage, safety / prohibition signage as required.
- Heras safety fencing as required and Crowd Barriers
- Site Welfare and Office Cabins
- Access equipment:

Podium/Tower scaffold/MEWP

- Operatives P.P.E
- Waste trolleys, to be used for the removal of waste.
- Dust Suppression Units
- 20-30 Tonne Demolition Excavators
- Mobile crusher

## 17. WORK METHOD

### 17.1 PRELIMINARY WORKS

17.2 The Site Supervisor/Manager will ensure that all preliminary works are carried out before the commencement of demolition. These include:

**Service disconnections including existing mechanical and electrical - written confirmation will be obtained from the Client** to ensure that all services to the structures have been made safe. If required, further checks will be carried out on site by competent persons.

17.3 Outline sequence of work:

- Health and safety and site induction.
- Site set up, establish work areas.
- Soft strip out of the buildings
- Removal of non-licensed asbestos
- Remote Demolition of building.
- Removal of slabs, footings and ducting.
- Processing arising and debris, removal from site of debris for recycling / disposal at licensed premises.
- Crush hardcore materials to 6f2 and stockpile



- Erection of palisade fencing
- Leave site clean and tidy as to the client's specification.

### 18. Method of Works Specific

- Liaise with client to confirm start date and any matters regarding Health and Safety.
- Ensure all operatives have been site inducted and have read, understood and signed all paper work.
- Ensure all equipment holds relevant certificates.
- Ensure all live services to the building have been disconnected with the relevant disconnection certificates in place.
- Ensure all demolition works are supervised at all times.
- All necessary precautions must be taken to maintain the safety of site personnel.
- Place demolition signage, safety / prohibition signage as required.
- Ensure all operatives use the correct P.P.E as the work dictates see site specific risk assessments.
- Ensure all access to all public highways, nearby businesses and footpaths are maintained at all times.
- Ensure all access and emergency routes are maintained at all times.
- Incoming heavy vehicle drivers will contact the Site Supervisor/Manager by mobile telephone prior to entering the site.
- Ensure all plant and equipment left on site is isolated and fitted with relevant vandal guards, all hand tools will be removed from site at the end of each working day.
- Locate waste containers within safety zone / site compound / work area.
- Ensure toolbox talks and ten minute briefings are carried out as require to ensure all personal no that asbestos containing materials are present and know of there locations.

- Please note there is telephone cables running parallel to the site compound, extra care will be taken in these areas.

Cawarden SM to sign to confirm prior to any soft strip works all asbestos materials have been marked out.

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### **18.1 Soft Strip out of the buildings**

- Following the implementation of the necessary control measures, the careful soft strip out of the Buildings will commence.
- Prior to commencement of any works, written confirmation will be obtained stating that all electrical services have been terminated. Any services (water, gas, sprinklers, communications etc.) that cannot be terminated will be clearly marked by the client before works can begin.
- Operatives will be required to wear the following P.P.E for the soft strip out.

**Gloves**

**Hard Hat**

**Safety boots**

**Safety glasses**

**High vis-vest**

**Dust mask if required**

- The soft strip out will be done the following tools:  
**Crow Bars and Hammer**  
**Reciprocating saws**  
**Abrasive wheels**  
**Podiums and Tower scaffolds**  
**Battery power Tools**
- Operatives will progress through the buildings in a systematic manner following the plan. The following items shall be removed where appropriate.(see demolition drawings for details)
- **Glass Windows or Coverings**
- **Fluorescent tubes**
- **Shelving Fixtures and Fittings**
- **Loose Materials**
- **Carpets/Vinyl**
- **Stud Walls and partitions**
- **Ceilings**
- **Doors**

- Any Glass windows or coverings will be removed from the original fixing hole. If this is not possible the operatives will tape up the glass area and continue to smash the glasses out without it falling apart. All operatives will wear suitable PPE for the task in hand.
- Fluorescent tubing will be found in lighting products and will be removed by hand before any of the ceilings or fixing have been removed,. The tubes will then be put into coffins or stockpiled safe locked place until the correct disposal is possible.
- Any fixture, fitting or shelving will be removed with crow bars or hammers. The operatives will prise the materials from the area it is fixed to until it comes off once the material is off it will be stacked tidy until an operative removes it.
- Loose Materials e.g. table, chairs and household objects will be removed by the operatives separating and steel from the wood or waste. Any small loose items will be bagged up by the operative and tied. Some object might have to be cut up to a smaller size to be removed.
- Any carpets will be cut into strips to reduce manual handling and then pulled up by the operative and rolled up if possible. Wooden floor are to be removed by the operatives using crow bars prising up the nails until the floor is complete. Carpet tiles and vinyl floor tiles are to be prised up by using bars and scrapers, and then stacked in tidy piles ready for the operatives to load away in trolleys.
- Any stud wall is to be removed by the operatives using hand held tools e.g crow bars, and hammers. The stud walls are to be dismantled by removing the plaster wall first prising it from the steel or wooden frame. Once the plaster has been removed the steel or wooden frame will be knocked out by hammers knocking the uprights out first and prising the nailed or screw framed out after.
- The ceilings will be taken down by an operative working from the safety of a podium. Any operative carrying out this task will wear a 'face fit' mask because there has been a significant build-up of dust located on ceiling materials. Ceiling tiles will be removed first from the podiums and stacked into trolleys and removed. Once the ceiling tiles have been removed using croppers or snips the operatives will cut the steel framed ceiling down in tidy piles.
- Door frames and skirting will to be removed by operatives using crow bars and hammers. The items are to be gradually prised from their place of fixing, any obtrusions and nails are to be removed or hammered over with all resultant materials then being transported for disposal. Doors will be removed by operatives stripping off the door furniture, prising the door from its hinges again utilising crow bars and mattocks, doors will then be either downsized or carried whole to the skips.

- All materials will be transferred directly into skip bins provided. Waste will not be stored within the buildings as this could cause a fire risk.
- Some materials may need cutting up to fit in the skips this will be done an area on the floor level by saw or Abrasive wheels.
- A waste route shall be erected by Cawarden; this shall be followed at all times.
- Operatives will use one method for the removal of waste.
- The method of removal shall be transportation via waste trollies.
- Operatives shall load the waste from strip out process into trollies and manoeuvre the trollies towards the routes provided.
- The operatives will then use the trollies to get to the skips provided and load them into the skips.
- This shall be used for each area throughout the project unless otherwise changed.
- All skips will be labelled to stop the mixing of waste. This will increase the quantity of the waste recycled.
- The working area is to be kept as clear as possible to prevent trips and falls.

Cawarden SM to sign to confirm walkway are being kept clean \_\_\_\_\_

- Operatives to wear gloves at all times to prevent cuts to hands.
- This process will continue until all rooms have been stripped ready for safe and tidy demolition.
- Operatives to of read and understood manual handling risk assessment prior to works.
- Cawarden's Site Manger will make map of the routes the operatives will need to use when moving materials out of the building once one site.

### **18.2 Removal of asbestos sheeting by hand**

- All operatives involved in the removal of the Asbestos cement sheets will hold the relevant qualifications, Asbestos awareness and removal of notifiable non-licensed Asbestos and have a suitable face fit test.

- Operatives will be required to wear T 5 suits, gloves, and half face masks with P3 filters and non-laced footwear at all times when removing Asbestos cement sheets from the buildings.
- A decontamination area will be made on site nearest to where the operatives are working. This will be a fenced off area with a bucket and sponge to wipe down the operatives PPE. Wipe down PPE and remove disposable items, place in asbestos waste sack and seal. Dispose of as hazardous waste. Ensure that the operatives thoroughly wash and clean as per HSG 210 – EM8 work sheet.
- Prior to works the area will be segregated using hoarding fence panels and everyone informed that works involving the removal of asbestos will be taking place only the Operatives who are trained and competent and wearing full PPE will be allowed to access the area whilst work is underway.
- Operatives will use a MEWP to safely work from. A light spray of Water with Damp strip Asbestos penetrant will be applied to all the asbestos cement sheets prior to stripping.
- Working from the MEWP using hand held tools (bolt croppers) fixings will be cut, at no point shall the Asbestos be cut or broke (just in case of any breakages Operatives shall have at hand a spray bottle with a mixture of water and PVA glue to suppress any dust).
- A Telescopic handler shall be positioned at the side of the MEWP with the fork attachments offered/guided to the top of the hand rails, Operatives shall then carefully place each sheet on to the forks as they are being taken off the roof and sides of the buildings. Once a substantial amount of sheets has been carefully stacked on to the forks the Telehandler driver shall Manoeuvre the asbestos sheets into an area on site where they can be stored until there is adequate skips or bulkers on site for disposal.
- Any asbestos debris will be double bagged and sealed in accordance with the control of Asbestos regulations 2012.
- The sheets shall be placed through the back door of a 40yrd skips using the telescopic handler, the Operator shall carefully position the sheets into skip until it is full, once filled a covering of 1000gauge polythene shall be used to encapsulate the top. This process will be repeated until all the Asbestos cement sheets have been removed safely from site using licensed waste carriers, and tipped at appropriate waste sites for ultimate disposal.
- On completion of work the Site Manager will check the area making sure all Asbestos materials have been removed.

### **18.3 Method for Mechanical demolition of the former building**

#### **Front Elevation –**

- Before demolition starts the Site Manager will check the building and the boundary of the works for unauthorized entry.
- Suitable and sufficient Heras fence panels around the works to demarcate the area warning signs will be displayed “exclusion zone no entry at any time during remote demolition work”.
- The plant operator shall position the plant accordingly to ensure safety.
- It is important that the machine is in the correct position to the work face.
- The correct position should be maintained so the angle of the boom is limited in accordance with manufacturer’s instructions to ensure safe operation and stability of the excavator.
- The site supervisor shall identify the drop zone and exclusion zone around the building.
- All works will be controlled using 2 way radios and a Cawarden banksman will be positioned around the exclusion zone and beyond.
- Using remote techniques, the demolition excavator starting from the highest point will progressively demolish the buildings.
- The excavator will use grab attachments to dismantle the roof and place into a buffer zone where it will be further processed in on waiting skips.
- Once a section of roof is removed the brick/blockwork walls will be demolished into the drop/exclusion zone. Hardcore will then be moved out of the area into a stockpile zone.
- Small pieces of waste material will be removed by the excavator fitted with a grab this will prevent any operative entering the exclusion zone during remote demolition.
- Once the walls have been demolished the floor below will be demolished using suitable attachments again will materials being allowed to fall into the exclusion/drop zone below ready for processing into the buffer zone.
- This process will be carried out systemically a bay or a box section at a time making sure the structural stability is retained throughout the demolition.

- Any concrete beams or floors will be demolished using a rotating concrete pulverizer attachment.
- This and other materials will be placed into the buffer zone and processed into manageable pieces and disposed of into the relevant waste containers by the excavators.
- Any Brick/concrete work will be progressively demolished starting from the highest point.
- All material will fall into the drop zone (foot print of the building) this will then be moved and processed at a later date once the building is safely at ground level.
- All other waste materials from the demolition shall be separated by the excavators fitted with a grab.
- All other materials will be placed into relevant skips by the excavator for disposal.
- Throughout the demolition process dust suppressant shall be used when deemed necessary.
- All demolition works will be carried out to slab level unless instructed otherwise.

#### Remaining Building –

- Before demolition starts the Site Manager will check the building and the boundary of the works for unauthorized entry.
- Suitable and sufficient Heras fence panels around the works to demarcate the area warning signs will be displayed “exclusion zone no entry at any time during remote demolition work”.
- The plant operator shall position the plant accordingly to ensure safety.
- It is important that the machine is in the correct position to the work face.
- The correct position should be maintained so the angle of the boom is limited in accordance with manufacturer’s instructions to ensure safe operation and stability of the excavator
- The site supervisor shall identify the drop zone and exclusion zone around the building.
- All works will be controlled using 2 way radios and a Cawarden banksman employed around the works beyond the exclusion zone.



- Using remote techniques, the demolition excavator starting from the highest point will progressively demolish the building.
- The excavator can begin cutting the required trusses and purling's which make up the roof structure.
- Steel work will be cut using the shear attachment on the excavator. The excavator will cut the steel trusses and purling's individually to ground level.
- This process will be carried out systemically a bay or a box section at a time making sure the structural stability is retained throughout the demolition.
- The demolition will be a bay at a time and will be left at the start of the next bay to ensure its stability overnight and incase of adverse weather conditions.
- The bay or box profile process always leaves the remaining building in a box section therefore maintaining its structural strength.
- Once the building has two bays left standing the final demolition must be completed by the end of the working day to ensure stability of the building, therefore the site manager will only start the last phase when there is time to complete it during that shift. The stability and the method of demolition will be assessed visually by the site manager once the first bay has been demolished and throughout the process.

#### **18.4 Raising and crushing floor slabs and footings**

- Prior to any breaking of the ground the site manager will CAT scan the ground for any unidentified services.
- Once an area of buildings have been demolished this area can be segregated and other excavators fitted with ripper teeth and breakers can then begin to rip out the slabs, footings and service duct.
- Excavators will pre-weaken the thicker floor slabs by breaking holes in the slab every meter across the surface.
- Once an area is complete the attachment will be changed to a bucket or ripper and the slabs will be pulled clear and stockpiled.

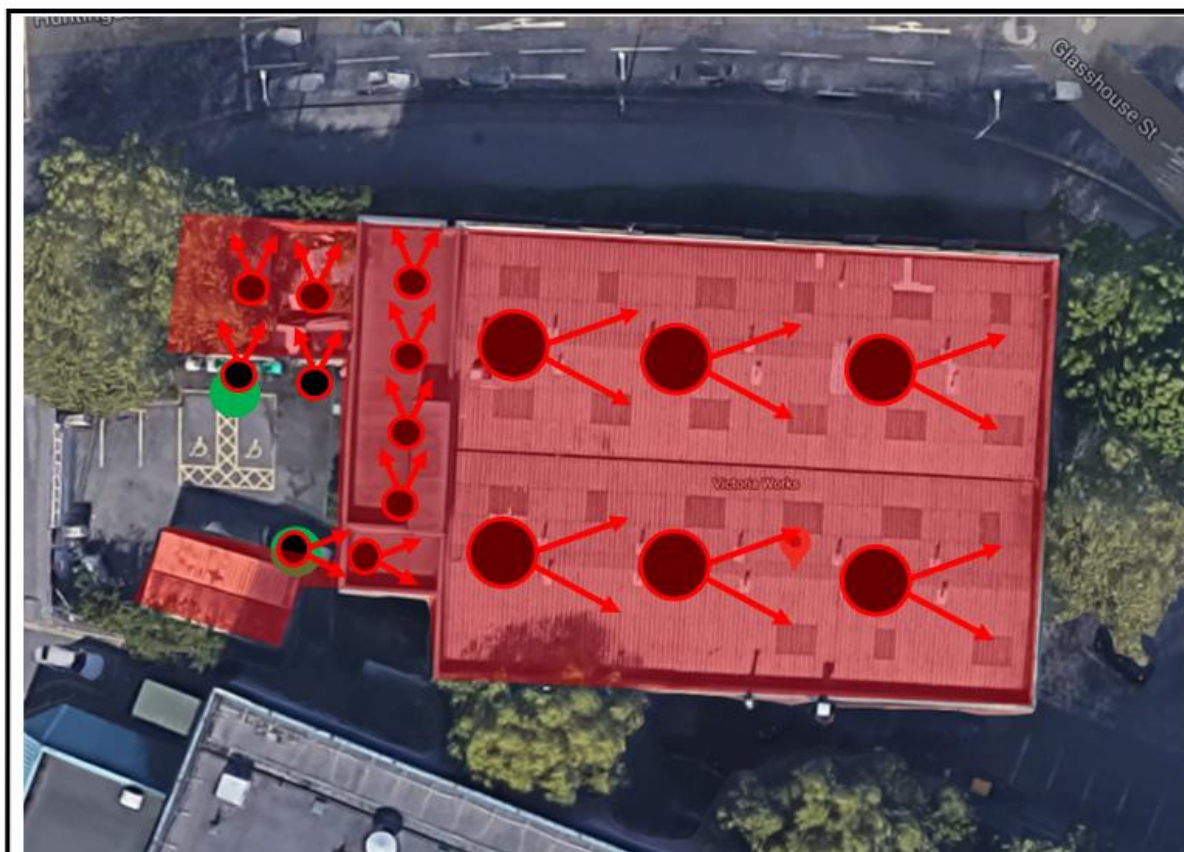


Job Name: Base 51

Job Number: 3143



- Further processing will then be undertaken to reduce the size of the concrete prior to crushing and remove all metals including re-bar and underground pipe work.
- Once the material is clean and a suitable size it will be able to be crushed out of the stockpile by a mobile crusher.
- Once the slabs are removed the footings can then be dug and hammered out using buckets and breakers on the excavators, stockpiled and processed ready for crushing.
- Once an amount of processed material is available the mobile crusher will be moved to the stockpile, water suppressant will be used over the stockpiles and the material crushed with the excavator loading the material into the crusher.
- All crushing areas will be fenced off to segregate the area
- Any 6f2 material will be stockpiled on site in the agreed location.
- All crushing works shall take place within the designated area and shall crush away from sensitive receptors. This is to minimise dust and noise pollution.



Key:



Starting point for demolition



Position of excavator/direction of demolition



Area of demolition



Cawarden Co Ltd,  
Scotland Farm,  
Ockbrook,  
Derby,  
DE72 3RX

Client: Code Students



Address: Base 51,  
Nottingham

Date: 08/12/20

Project No: 3143

Drawing No/Ref:  
Machine Positioning



Job Name: Base 51  
Job Number: 3143



**Machinery on the site will include**

- Komatsu pc 290 (30 tonnes) fitted with demolition sheer attachment, demolition grab or rotating processor (6 tonne /sq meter) (11ft Track Width)
- Komatsu pc 210 (20 tonnes) fitted with buckets ,breaker and demolition arm(5.3 tonne /sq meter) (10ft 3 Track Width)
- Mccluskey J45 mobile crusher (45 tonnes) (10 Tonnes /sq meter) (10ft 9 track width)

All machinery will be transported to site on low loaders with pre-notification of the transport route to the local Police Force.

Loading weights per square meter for of loading are shown above against each machine

# **MAKE SURE YOU SIGN !!!**

(All operatives are to sign to confirm they have read and understand this method statement and accompanying Risk Assessment. Any operatives which are unsure of any items, should seek further explanation or guidance from high management)

**All operatives to sign this form after reading and understanding the Method Statement and Risk Assessments attached**

PRINT NAME CLEARLY	SIGNATURE	DATE

[illegible]

I \_\_\_\_\_ (Cawardens Site Manager) have read and agree to the method of work. Any changes I implement will be documented reviewed and revised if needed by Oliver Crooks or William Crooks MIDE .

Site Supervisors Signature:\_\_\_\_\_



Job Name: Base 51  
Job Number: 3143



### **Amendment Record Table**

Whenever amendments have been made to this construction phase health & safety plan all changes shall be documented on the below table before being relayed to all persons involved.

Section No.	Page No.	Area to Change	Change	Date of Change	Change Prepared by	Change Reviewed by	Change Accepted by