

Demolition Method Statement for disused council depot, Willow Street, Overton, Wrexham.

This Demolition Method Statement has been prepared to support the planning application for the proposed development of the disused council depot, Willow Street, Overton, Wrexham.

This Method Statement outlines how the demolition will be carried out under controlled conditions to minimise inconvenience to the neighbouring residents.

The Method Statement is a qualified assessment based on current information and is subject to refinement as the project evolves.

Staff

- 1 Supervisor
- 3 Operatives

P.P.E.

- Safety Helmets
- Overalls and High Viz. vests
- Safety footwear
- Rigger Gloves for normal duties.

Training

All operators of plant and equipment will be trained and competent in the use of that equipment.

Plant and Equipment

Consideration has been given to the types of plant that are likely to be used on site.

- Telescopic FLT
- 360 Excavator
- Sitemaster
- Generator
- Power tools
- Hand tools
- Wheel washing facilities
- Scaffolding
- Delivery Trucks
- Skip and skip trucks.

Hours of Work

It is anticipated that the core working hours for construction will be set as follows:

- 0800-1700 hours Weekdays
- 0800-1300 hours Saturday.

Site Induction

Staff will be given an induction prior to start by the site manager. Only authorised, inducted personnel will be allowed to work on site. Staff will comply with the Site Health and Safety requirements.

All Staff will register their presence on site by signing in and out at the site office on a daily basis.

All machinery shall work within its safe working load at all times.

Any electrically operated hand tools that are not cordless, will be 110V, including extension cables, splitter spiders, lighting sets, etc. Power will be via a step down transformer located in Woodville House.

The sites emergency arrangements for fire will be held in the site office and detailed to all at the site induction.

In the event that there is a deviation from the method statement required as a result of a discovery or an incident, then work will cease until a further assessment has been carried out and the method statement and risk assessment re-evaluated.

Prior to the commencement of work all staff will receive a toolbox talk on the work method and the PPE to be worn.

Temporary Works, Services and Shutdowns

All other work will be programmed so as not to clash with the demolition work

Deliveries and Storage

All material and equipment will be stored within the existing site boundaries
Any deliveries to site will be notified to the site manager, by phone prior to the delivery so that he can make the necessary arrangements to receive the delivery
All vehicles making deliveries or collecting from site will be accompanied by a banksman at all times.

During site establishment where reversing a vehicle close to the public highway is unavoidable a Banksman (or Banksmen) will always be used to direct the vehicle, pedestrians and other traffic. The Banksman will wear hi-visibility clothing and ensure that drivers are aware of the site traffic rules and that construction vehicles do not reverse onto Willow Street from site entrance.

The site speed limit is 5mph

Emergency Procedures

Staff are to follow the Gordon Mytton Developments emergency procedures.

These will be fully explained at the site induction.

First aid facilities will be provided by Gordon Mytton Developments and there will be a first aid box available in the site office. First Aiders will be named in the Site Office.

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Any reportable incidents or dangerous occurrences will be reported to the Project Manager, and the CDM-C where appropriate and in accordance with - RIDDOR 2013, to the following HSE contact:

**HSE INCIDENT CENTRE
Caerphilly Business Park
Caerphilly
CF83 3GG**

**Tel: 0845 3009923
Fax: 0845 3009924
or: www.riddor.gov.uk**

They will also be recorded in the Site Accident Book, which is located in the Site Office.

Waste disposal

All waste material will be removed from the work area and disposed in the correct Skips/Bins in accordance with the Gordon Mytton developments Site waste management policy

All spoil is to be stored on site, in an area set aside by the site manager, until such time as it can be removed from site and taken to a licensed tip by truck.

Where possible the bricks, slates, will be salvaged and reused, along with the old timbers. The foundations will be dug out and crushed to make hardcore which will stay on site to be reused.

All waste will be disposed of at suitable, licensed, waste disposal sites.

Documents such as Waste Transfer License, waste transfer documents for individual loads will be kept and provided to the CDM-C if requested.

Site security

The site is enclosed within a boundary wall, which is 2m high and constructed of brick. The site entrance is via a 2 m high metal gate that will be kept shut when not being used and locked at the end of each shift.

Clear signage will be provided to warn the general public of the presence and danger of the construction/demolition site and to direct works access traffic.

Site accommodation

The site compound will be established in the South West corner of the site for the first phase of Construction/ Demolition.

The parking of vehicles for site operatives and visitors will be on site and adjacent to the compound.

Storage of plant and materials will be in secure storage in the compound. Plant will be immobilised and left locked behind the lockable gates of the compound at the end of the working day and materials will be stored in secure storage containers suitable and designed for the task.

Management of dust/mud

As the structure is to be demolished in a piece small fashion the amount of dust created will be greatly reduced.

During periods of dry weather the site will be damped down in order to reduce dust to a minimum level.

Where cutting operations are likely to cause dust, where possible the area will be sealed, as far as is reasonably practicable, to prevent dust escaping to the surrounding areas, and/or a wet cutting operation will be used. The wet area will be bunded to prevent contaminated water escaping to the main drainage system, and for easier water collection.

Scaffolds will have debris netting attached to help contain dust

Dust from cutting operations will be contained as outlined in the HSE guidance note number 36 & 54 and controlling silica dust INDG463

Appropriate PPE will be worn. This will include P3 dust masks

All vehicles will be checked before leaving site, to ensure they will not carry any dust/mud onto the highway. If necessary they will be cleaned to remove any such materials.

If any materials or mud do accidentally spill onto the highway they will be cleared up immediately.

At the end of each shift the site will be left in a tidy and orderly manner. The entire site and surrounding area will be checked to ensure that there are no waste materials including dust not store in the correct and tidy manner.

Hazardous substances

All liquids and solids of a potentially hazardous nature (e.g. diesel fuel) will be stored within a bunded area.

COSHH Risk assessments will be compiled and available on site for all hazardous substances used.

Plant equipment used will be diesel powered. Refuelling will be conducted at more than 3 metres from any building or structure, by the use of 20 litre cans and a tundish or wide mouthed strainer funnel to avoid fuel spills. A metal bund tray of not less than 30 litres capacity will be used during the refuelling process.

Spillage must be avoided, and all incidents involving spillage and potential damage to the environment, must be reported to the site manager immediately

Demolishing Existing structure

The existing structure comprises of a 2 storey brick, timber and plaster construction with a slate tiled roof.

An asbestos survey will need to be carried out for the main structure prior to demolition. The survey results will have to be made available to the demolition gang

For work at height, Scaffold will be provided to give safe access at height. This will be erected by specialist sub contractor who will provide their own Risk Assessments and Method Statements. All Scaffold will be erected and inspected in accordance with industry standards

Removing the Roof tiles and timbers

- The existing roof timbers will be removed by hand and retained for further use.
- Access to the roof will be via a scaffold previously erected by the client.
- Whilst working on the roof stripping tiles etc edge protection will be erected.
- Operatives will wear gloves and light eye protection whilst carrying out this work.
- Hand tools, including pry bars and claw hammers will be used to remove nails from the sections of roof.
- Once free, the individual pieces of timber/Slates will be removed and carried down to eaves level where it will be stored on a pallet ready to be lifted down to ground level using the telescopic FLT level. Once at ground level the timber/slates will be stored in the laydown area until they can be removed from site
- All wood will be de-nailed prior to being stored.

Demolishing remaining structure

- The structure will be demolished in a piece small fashion. The bricks are to be salvaged and therefore will be carefully be removed one by one and stacked in the laydown area.
- The area will be damped down to reduce dust. Dust masks and goggles will be worn by all operatives
- Access will be via a previously erected scaffold.
- The bricks will be removed using a 110v breaker and hand tools. Jobs will be rotated to avoid over exposure to noise and vibration However all operative will be required to wear Ear protection and gloves.
- Once down to the ground floor level the remaining structure will be knocked down mechanically using the excavator. Material will be pulled into the building in controlled stages of about 500mm square at a time.
- No operatives will be allowed in the working area of the excavator or within the structure whilst this operation takes place.
- All materials are to be salvaged and will be stored neatly on site until they can be removed.
- The glass from the windows is to be recycled so will be broken out in a controlled fashion and loaded into the appropriate skip. All operatives will wear goggles and heavy duty gloves.
- The cast iron columns and timber support beams will be removed using the excavator.
- Slings will be attached to the item to be removed and to the arm of the excavator. All lifting equipment and accessories will be certified tested and received the necessary statutory inspections in accordance with the LOLER and PWER Regulations. All people involved in lifting operations will be competent, experienced and qualified. No unauthorised people will be allowed in the work area whilst lifting operation take place.
- The excavator will take the slack out of the sling attached to the item to be removed.

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- The item will then be freed from the rest of the structure and the excavator will lift the item free. It will then take the item to the laydown area and lower it safely to the ground.
- The process will be repeated until all items are removed.
- The lifting sequence will be carefully planned to ensure that the remaining structure remains stable as an item is removed.
- The foundations and floor of the structure is to be broken up using a 'pecker' attachment on the excavator. This material is to be re-used on site as hardcore. It will be stored in the laydown area until required.

At the end of each shift the site will be left in a tidy and orderly manner. The entire site and surrounding area will be checked to ensure that there are no waste materials including dust not store in the correct and tidy manner.

Drawn up by Peter Williams of:-



Adlink House, 86 The Highway, Hawarden, Flintshire CH5 3DJ

Tel: 01244 539660 Fax: 01244 539660

E-mail: sandy@jennings-safety-services.co.uk

Gordon Mytton Developments STAFF:

I have been given a toolbox talk on the above method of work. I understand the risks associated with the work, and how the tasks are to be carried out in a safe manner

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