

Demolition Method Statement

ADDRESS

24 Wedgwood Lane
Gillow Heath
Biddulph
ST8 6RL

THE CONSTRUCTION (DESIGN AND MANAGEMENT) REGULATIONS 2015

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1.1 Introduction

1.2 The project relates to the demolition of a 2-bedroom detached bungalow at 24 Wedgwood Lane. The bungalow sits centrally within an 820m2 plot of land that is secure on 3 sides by tall hedges and fencing and a low-rise stone wall to its frontage and a gated entrance.

2.1 Scope of Works

2.2 The demolition works operations entail:

1. Erect fencing to the vehicle entrance.
2. Asbestos Detection
3. Service disconnections
4. Carry out internal soft strip of the building to remove deleterious materials.
5. Hand demolition of the superstructure
6. The processing of all materials arising from this element of works which will be transported offsite for recycling/disposal. The site would be left in a clean, tidy and safe condition.

3.1 Site Staff

3.2 The appointed demolition contractor will ensure the following resources to carry out the works as required on site:

- Demolition Site Manager
- Demolition Site Supervisor
- 1no First Aider
- 1no Demolition Operative

4.1 Plant and Equipment

- 1no 10t excavator fitted with a bucket attachment
- 2no mobile elevating work platform (“scissor lift”)
- 1no skip for general waste
- 1 no toilet with hand wash facilities
- Various hand tools

4.2 Plant certificates will be obtained for all plant used and copies of the certificates retained on site.

4.3 All operators are to produce CPCS licenses.

4.4 Works described below will be carried out in such a way as to minimise the impact of that work. Therefore, the foreman will:

- take all reasonable steps to minimise the creation of dust, using water sprays to dampen buildings being demolished and the demolition arisings;

- pay attention to wind direction so as to anticipate the impact of any work downwind of the working area;
- curtail, suspend or re-arrange work as necessary to allow the demolition to proceed if possible whilst reducing its impact on any the occupiers of neighbouring properties / premises;
- ensure all plant is fit for its purpose and adequately maintained so that noise generation is within the manufacturer's stated maximum noise level;
- give particular consideration to activity on site at the start of the day to minimise disturbance of the neighbours. Reversing manoeuvres will be avoided in the early morning to prevent reversing sirens sounding.
- The 10t excavator will stay onsite for the duration of the demolition for carrying heavy items to the relevant disposal/recycling skips. Once this is no longer required the excavator will be removed offsite via a heavy load truck.

5.1 Welfare Accommodation

5.2 Welfare facilities which comply with the Construction (Design and Management) Regulations 2015 will be available on site.

5.3 The fire muster point shall be established, the alarm will be raised by the sounding of an airhorn.

6.1 Working Hours

08:00 am - 17.30pm Monday-Friday

8.00am – 16.00pm Saturday

No working hours on Sunday

7.1 Services

7.2 The client will make arrangements for the disconnection of the services to the site.

7.3 A CAT detector will be used by the site supervisor to test for live underground electric cables prior to commencement on site and highlighted using spray marker.

8.1 Safety

8.2 All necessary registers, accident books, diary, time book, test certificates, method statement, risk assessment, health and safety plan etc will be kept on site under the control of the Site Supervisor and can be inspected at any time. All accidents are to be reported to and entered in the site accident book.

8.3 A supply of spare hard hats, overalls, gloves, goggles, masks, welders' gloves, face visors (when burning equipment is used) etc will be stored on Site.

8.4 At all times the appointed demolition contractor will ensure a high standard of Health and Safety is carried out at all times on site.

8.5 All operatives on site must wear full PPE in accordance with HSE requirements including safety boots, hard hats and a high visibility vets or coat and LEP (Light Eye Protection) as standard.

8.6 ‘No smoking on site’ policy will be adhered to at all times.

8.7 Adequate segregation of pedestrians and vehicular traffic will be maintained at all times. Reversing of vehicles and plant will be minimised at all times.

9.1 Operation 1: Site Establishment

9.2 The building will be situated within a secure site boundary made up of the existing site boundary and a Heras fence to the vehicular site entrance to enclose the working areas

9.3 Warning signs (as described below) will be displayed at the appropriate points around the perimeter of the site:

- Danger Demolition in Progress
- Danger Demolition Keep Out
- Personal Protective Equipment requirements
- Warning to Children

9.4 All visitors to our site will be asked to sign in within the site office. They will be inducted into the activities being carried out that day and at all times whilst they are on site they will wear the required PPE.

10.1 Operation 2: Asbestos Detection

10.2 Where asbestos is found onsite, a suitably approved licensed Asbestos Removal Contractor will be appointed to carry out the removal of all asbestos containing products.

10.3 The HSE will be notified under the statutory ASB5 form on the Health and Safety Executive website www.hse.gov.uk of the intended asbestos removals that are to be executed on site.

10.4 All method statements, risk assessments and transit plans will be included within the CPHSP.

10.5 No follow-on activities will be carried out until we have received air clearance certificates/certificates of re-occupation from the asbestos removal supervisor to confirm that the areas are safe to enter.

11.1 Operation 3: Electrical Disconnection and Cable Stripping

11.2 Any electrical cabling will be removed for recycling prior to soft stripping and the demolition of the structure.

11.3 No cable-stripping work will commence until the electrical supplies to the site have been irreversibly isolated either to the main distribution board by the local electricity supply company or from the main distribution board by a suitably qualified electrician. In either case an isolation certificate will be required and will be displayed within the site office.

11.4 Demolition operatives using hand tools will cut into manageable sections all exposed electrical cabling and any which are easily extracted but which are not exposed. Large diameter electrical cabling is heavy, therefore it may be necessary to cut cabling into lengths of no more than 2 or 3 metres prior to moving it for further processing. Operatives are to exercise

their judgement and experience when handling cut sections of cable to minimise the risks associated with manual handling.

11.5 Cabling in trays or otherwise present above floor level will be accessed using a scissor lift. An exclusion zone will be created beneath the cable being cut-down using barrier tape to avoid the potential for anyone below the cable to be struck as it is allowed to fall to the floor. Consideration must be given to the possibility of a free end "whipping" due to self-weight.

11.6 The use of hand operated, hydraulic cable shears is will be used.

11.7 The removal of cable insulation and armour is to be undertaken using a purpose-built machine. Such machines have a number of safety features such as guards and remote emergency stops. All safety features are to be checked on a daily basis. None of the guards or

other safety features are to be defeated or over-ridden. As with all machinery, long hair and loose clothing are to be securely tied-back to reduce the risk of the operator becoming entangled in the equipment.

11.8 All waste generated by the cable-stripping is to be disposed of appropriately, i.e: sheathing is to be placed in a general waste skip.

11.9 Under no circumstances is the sheathing to any cabling to be removed by burning.

12.1 Operation 4: Soft Stripping

12.2 An internal soft strip of the buildings will be carried out by demolition operatives to remove as much of the waste materials from the building ahead of the demolition works.

12.3 Materials that are to be removed by the internal soft strip can include doors, door frames, fixed and non-fixed furniture, carpets and floor coverings and other materials which obstruct the construction of asbestos removal enclosures.

12.4 Operatives will strip out all doors, frames, windows, timber of any description, (not appertaining to roof or main structure) toilets, pipe work, ducting, electrical items and any debris.

12.5 Any clean, unpainted constructional timber will be segregated from the general waste. Where this material is free of nails, screws, hinges etc it will be segregated for recycling by a specialist company. Any materials deemed as not suitable for recycling will be removed from site in skips as controlled waste to an appropriately licensed landfill site.

12.6 Where possible the materials will be loaded by hand method into skips and removed from the site. Where access for skips is not available the materials will be segregated and stored within the building where they will be removed at a later stage.

12.7 Once access for skips is available the materials will be loaded into the skips by use of the excavator with a bucket handle and by hand method.

12.8 At no times shall operatives gain access to partially demolished or unsafe buildings to recover soft stripped materials, these materials will be removed by mechanical means and when safe to do so by hand method.

12.9 All soft stripped materials will be processed and segregated into individual waste/recycling streams. All materials deemed suitable for recycling will be loaded into suitable skips and transferred from the site to a suitable recycling venue.

12.10 All waste materials unsuitable for recycling will be transported from the site where it will be taken to landfill facilities.

13.1 Operation 5: Hand Demolition of the Superstructure

13.2 The building to be demolished on site a brick-built bungalow with a plain clay tiled roof.

13.3 Prior to the removal of the roof structure it is proposed to pack all drainage/ surface water gullies surrounding the perimeter of the structure with straw to prevent pollutants entering the surface water course.

13.4 Prior to any structural demolitions taking place, the site supervisor and plant operatives will walk the building to familiarise themselves with the building and any potential issues.

13.5 Following soft stripping, all roof tiles will be removed by hand and by a claw hammer where tiles are fixed. Tiles will be transported down to ground level using an approved tile slide. When tiles are at ground level they will be stacked and wrapped onto pallets and removed from site.

13.6 Timbers will be carefully removed by hand using a sledge hammer and claw hammer. All roof timber and debris will be lowered to ground level by a slide and placed into suitable transport for recycling/disposal.

13.7 Brick gables and walls will be reduced by hand down using a scissor lift and harness to a safe working height, during this process bricks will be lowered down to ground level using a slide palletised and wrapped ready for removal from site.

13.8 The timber ground floor will be carefully removed by hand using a sledge hammer and claw hammer.

13.9 Brick footings will be broken up with a sledge hammer and claw hammer and removed from site.

13.10 To avoid slipping and tripping hazards the surrounding area shall be kept clean, tidy and generally well organised.

13.11 Any arising hardcore or rubble shall be removed from site.

15.1 Operation 6: Processing of Materials

15.2 Disposal of all waste materials will be in accordance with current regulation requirements. Any hazardous waste will be transported by a registered carrier to a licensed tip – strictly in accordance with the Hazardous Waste Regulations 2005.

15.3 All waste materials unsuitable for recycling will be transported from the site where it will be taken to landfill facilities.

15.4 Once works on site are complete all plant, equipment and machinery will be removed and the site shall be left in a clean, tidy and safe condition.