

Asbestos removal, soft strip
and demolition of 15
Gordon Close, Sandown.
Isle of Wright

Demolition Method Statement

Client Ref **Spence Ltd**

Project title **15 Godon Close
Sandown, Isle of Wright
PO36 9AD**

Rhodar Ref No: **EDE002314-001 (Temporary Doc**

Issue Date: **22nd Sept 2023**



Document Preparation and approval status

| | Name | Position | Signature | Date |
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Revision Record

| Version Number | Date | Amendments | Prepared by: |
|----------------|------|------------|--------------|
| | | | |

This Methodology Document is to be read in conjunction with the following related Project Specific Documents which forms part of the overall Rhodar Documentation for the undertaking of these works.

Please make sure you have read the documents detailed below and signed and acknowledged each document.

| Project Documents | Document No. | Revision No. |
|-------------------------------|----------------------------------|--------------|
| Site Specific Risk Assessment | EDE002314-002 | N/A |
| Asbestos Survey | ABP/14835/P-24044/08/23/SAN007AA | N/A |

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Scope of Works

This Method Statement details the demolition of 15 Gordon Close, Sandown.

The document is to be read in conjunction the site-specific risk assessment **EDE002314-002**

All demolition Works are to be carried out in accordance with BS6187:2011 Code of Practice for Full and Partial Demolition.

Reference to the 'Standard' has been made throughout the document and a copy is available from the office on request.

The scope of our works includes.

- Soft stripping of fixtures, fittings, and removal of all loose waste materials.
- Remove asbestos.
- Demolition of the house including the slab
- Remove retaining wall.
- Remove all other hard standings.
- Remove gullies and any underground drainage.
- Cap drains leading out of property.
- Cap the land using MOT type 1

1.0 Sequence and Methodology

Site Setup

Upon arrival to site, operatives will undergo a site-specific induction which will be undertaken by the site supervisor, this will be followed by a Rhodar site method statement and risk assessment briefing which will be undertaken by a member of the management team and will sign the briefing record.

Rhodar site supervisors will undertake a daily task briefing, which will demonstrate all work activities being undertaken for the day along with highlighting any dangerous activities being undertaken on the specific day.

Fencing Erection

Heras fencing will be erected around the property area, which will become an exclusion zone during the works being undertaken. All fencing will be installed as per manufacturer's instruction. No heavy weight signage is being used so there will be no requirement for a TWD- All fencing once erected will be visually inspected daily and records of this kept in site safety file.

Operatives are to be aware of Manual handling techniques and must have current Manual Handling Training prior to the erection of the panels.

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Panels are to be erected by two persons working together. Demolition warning signage to be positioned, to make clear the risks on site. All Heras fencing to be installed as per manufacturers recommendations.



Care is to be taken to situate panels and feet on firm ground avoiding ground level gullies and service ducts.

Welfare

A small self-contained welfare unit will be brought to site.

Bunded Diesel Tank

A locked, double bunded diesel tank will be situated within the site boundary to provide an independent supply of diesel. This will be sited a minimum of 10m from any surface watercourse and surface water drains.

Spill kits and Drip trays are to be located adjacent to any fuel bowsers along with fire extinguishers should they be required.

All spillages are to be contained. On no account will spillages be allowed into site drains. Spills will be reported to the site manager as soon as practicable. Any spill materials will be treated as hazardous waste, with waste transfer notes issued to the client.

2.0 Notifiable and Non-Licensed Asbestos Work

Survey Information:

| | | | |
|---------------------------|-----------|-------------------------|---|
| Surveying Company: | ABP | Survey Reference | ABP/14835/P-24044/08/23/SAN007AA |
| Survey Date: | Aug 2023 | Survey Type: | Demolition |
| Licensed Asbestos? | Yes (1m2) | Non-Licensed? | Yes |

NB: Licensed Asbestos products will be removed under a separate methodology by Rhodar Ltd. A copy of the asbestos survey will be on site.

The demolition team will carry Cat B asbestos as a minimum, which will be identified and form part of Rhodar induction.

3.0 Exclusion Zones

The structure which is being demolished is set in their own grounds the site will be bound by Heras fencing.

The enclosed area offers suitable room to allow the demolition works to be carried out safely.

Where possible, a pedestrian walkway will be created around the welfare, this will be implemented via the use of pedestrian crowd barriers, located to the front of the welfare unit creating a pedestrian walkway.



4.0 Preparatory Works

The client (Spence Ltd) are to issue a purging certs/gas free certs to Rhodar prior to the demolition.

A licensed Standpipe will be used to fill the water bowser fitted with pressure washer and 40mts of pressure hose and lance for the use of dust suppression for demolition activities.

The buildings will be sealed, and any potential access points removed to ensure that vagrants cannot enter the house.

Checks will be carried out daily prior to resumption of the demolition works to ensure that the property is empty.

5.0 Structural Information

There would appear to be cracking in brick walls of this structure, however it is a standard brick-built construction bungalow. Therefore, there is no need for an independent structural engineer's report.

6.0 Soft Stripping

Soft stripping will be undertaken to the building following the removal of any known asbestos, which will have been picked up on the relevant R&D survey.

During the soft strip all waste materials will be separated into individual waste streams for recycling purposes.

Operatives are to be aware of Manual Handling Techniques and must have current Manual Handling Training prior to soft stripping activities.

Soft stripping generally consists of the removal of doors, frames, architraves, cable, skirting boards, carpets/floor tiles, cupboards etc. prior to demolition of the main structure.

Any floor coverings are to be cut with an auto retractable knife into small sections, then rolled up and taped with black cloth tape.

Works will be carried out by experienced operatives using small demolition orientated hand tools, such as, Mattocks, Crowbars, Sledgehammers, Claw hammers etc. Carpets and floor tiles will be lifted using floor scrapers. All operatives to be wearing a P3 half face fit dust masks or a nasal mask whilst undertaking any dusty operations.

Suitable hand PPE must be worn to protect from cuts and splinters during all soft strip operations. As denoted on the PPE chart below.

Light Eye Protection is always compulsory during soft strip activities. -

Soft stripping of any high-level fitting/fixtures is to be carried out using the above-mentioned hand tools. Access is to be gained from aluminium tower scaffolds/podiums erected by trained and competent personnel. All training certification to be issued to the client if requested prior to commencement on site.

Minor debris are to be cleared into plastic sacks for disposal to avoid small items blowing through and out of the building.

Small debris and items will be placed into clear rubble bags, before being transported and placed directly into skips.

If required, glass windows are to be covered with cloth tape in a spider's web style and left for the machine to remove during the demolition.

When it is anticipated that we will be undertaking works that will create dust or when working with non-notifiable Asbestos, Rhodar supervisor will evaluate the work area to determine whether RPE is required to be worn in certain areas. Operatives are to be clean shaven and wear the correct RPE, according to the conditions and as instructed by the Supervisor. The Supervisor is to check that operatives are clean and the RPE record sheets are completed and submitted to the office.

7.0 PPE

PPE is considered the last line of defence during demolition activities. However certain items are mandatory in law and compulsory from a company policy perspective.

The PPE listed below is compulsory on Rhodar sites and must comply with the following British Standards:

- Steel toe capped/mid soled boots - EN ISO 20345:2011
- Hard Hat – EN 397:1995
- Hi Visibility Vest – EN20471:2013
- Gloves – Standard/Soft Strip EN 388 2121. Hot Works EN388:2003 4244
Sharps EN388:2003 4544. Anti-Vibration EN388:2003
- Safety Eye Protection – standard CE EN 166 FT Certified. For Hot works EN175 F

The following PPE is to be used as and when necessary:

- Ear Protection Ear Plugs CEN352-2 and Hearing Protectors EN352-1:2002
- PPE associated with hot works and described in the “Hot Works” section of this Method statement – Gloves EN388:2003 4244 - Fire retardant hi vis overalls EN ISO 11611:2007 A1, EN ISO 11612:2008 A1, B1 C1, GO/RT EN 3279, ISSUE 6, 2008 and Goggles EN175 F
- Overalls for soft stripping – Blue paper overalls EN1149-5:2018.

The following RPE is to be used as and when necessary:

- RPE (respiratory protective equipment) – Half face Sundstrom SR100 EN 140:1998
- RPE (for soft strip or activities generating dust) - P3 Filter Masks EN149:2001

| | | | |
|--------------------------------|-----------------------|-----------------------|-------------------|
| Gloves | | Eye Protection | |
| Standard/Soft Strip | EN 388 2121 | Standard | CE EN 166 FT |
| Hot Works | EN388:2003 4244 | Hot works Goggles | EN175 F |
| Sharps | EN388:2003 4544 | Ear Protection | |
| Glass | EN388:2003 4543 | Ear Plugs | CEN352-2 |
| Anti-Vibration | EN388:2003 | Hearing Protectors | EN352-1:2002 |
| Kevlar Sleeves | EN388: 134xc EN407 x1 | | |
| Overalls | | Masks | |
| Fire retardant hi vis overalls | EN ISO 11611:2007 A1 | P3 Filter Masks | EN149:2001 |
| Blue/white paper overalls | EN1149-5:2018 | Half face masks | SR100 EN 140:1998 |

Any operative found not to be complying with the company requirements or any applicable legislation will be dealt with in accordance with our disciplinary procedures as listed within our company Health & Safety Policy.

When any breach of PPE regulations occurs a toolbox, talk will be held containing detailed requirements of PPE for the particular tasks being undertaken. The person/s involved in the breach of regulations will be dealt with as appropriate.

All equipment required to safely complete the works will be issued free of charge.

8.0 Manual Handling

Manual Handling

The Company Standard Procedure for all manual handling activities ensures that:

All activities will be assessed in relation to risks from manual handling and where possible automated processes will be used as an avoidance technique.

All employees will have received training in kinetic lifting, our company policy is to ensure all employees are fit for work, that materials and waste removal devices (skips, vans etc.) are positioned as close to work areas as possible. We shall use a variety of equipment such as wheelie bins and turn table trucks/trolleys to reduce the risks from manual handling.

Where it has been assessed that there is a risk of injury from manual handling, the first consideration must be whether the load needs to be handled at all, or whether handling can be minimized. The potential for eliminating the handling of loads on sites is limited but the positioning of storage, delivery and waste handling skips, or vehicles can reduce the need for extensive handling.

Where there is no alternative, the use of mechanical handling should be given consideration – this should be done by the Contract or Project Manager at the planning stage.

You should always follow instructions given on how to carry out a manual handling task in accordance with its risk assessment.

Project Specific Manual Handling

Two operatives to work together to move Heras fence feet and panels into position.

All large items to be moved/lifted with the machine during the demolition.

9.0 Disposal of Materials

All waste records, including waste transfer notes and consignment notes to be issued to client when requested.

Materials will be carried from the buildings by operatives and placed into waste specific stockpiles. An excavator will then load into general/ wood waste skips.

Waste skips will be positioned in designated areas; these areas will be agreed on site. The skip areas will be signed and securely fenced. Each skip will be clearly sign posted showing its individual waste stream purpose i.e., wood, metal, general waste.

Skip exchange and drop offs will be carried out using roll on/off wagons.

A trained and competent banksman will be used to manage skip exchanges and all vehicle movements during this process to ensure that they are being carried out safely and in the correct manner.

All deliveries are to be pre booked and agreed by the site supervisor in liaison with the waste management company, and the client's logistics manager.

All waste is to be loaded into skips at the end of each shift. Skips to be clearly signed to show contents on site.

Skip wagons must be always sheeted; the sheeting system must be an automatic operation; we will not tolerate drivers climbing onto skips or loads. Any persons found climbing on skips which are lorry mounted will be dismissed from site.

10.0 Mechanical Demolition

The bungalow, slabs, hard standings and walls will be demolished using a demolition machine operated from a protected cab.

Plant and equipment used will be:

- A. A 15t to 25t excavator with hydraulic grab will be used.
- B. The competent operator will hold a CPCS card and will be experienced in demolition.
- C. The excavator and attachments will be maintained in good working condition.




The following attachments will be used during demolition work.

- 1. Impact hammer.
- 2. Grapple.

Typical demolition specification excavator:



The following excavator attachments will be used to demolish the building, break slabs or load skips:

| Hydraulic Grab | Bucket | Breaker |
|---|---|---|
|  |  |  |
| | | |

Plant will only be operated on a surface strong enough to support its weight.

The demolition excavators will arrive on a low loader at a time that will cause the least disruption to residents, this will be agreed between the Rhodar and the client. Excavator delivery will be by 3rd party Haulage Company.

2 x banksman will be present whilst the excavator dismounts/mounts the low loader.

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The excavator will enter the demolition area and the site will then be secured.

No personnel will be allowed into the building during any phase of the demolition.

Access to the demolition area will be under control of Rhodar via the permit to Work System. **This area will become an exclusion zone via the use of fencing and warning signage.**

Demolition works will be carried out using full demolition specification excavators complete with cab guards and hydraulic rotating demolition grapples.

Having soft stripped the building and having removed the asbestos the demolition will commence.

The site supervisor will instruct all demolition and act as the banks person.

Note: Dust will be suppressed using water gained from the licensed standpipe.

The bungalow will be demolished from the top/ down and in a stepped manner to maintain stability. Periodically demolition will cease whilst the excavator operator, using the hydraulic grab attached to the excavator clears and separates the materials into their individual waste streams.

The excavator operator using the hydraulic grab will place waste into the general/ timber skips then stockpile and brick/ concrete.

The surrounding ground will be Cat scanned to confirm the existence of live cables. If live cable are found, the client will be informed then have them isolated/ removed or diverted.

With the bungalow demolished, the operator of the excavator fitted with a toothed bucket, will remove the foundations and any cover slabs/ hard standings. This demolition waste will be placed into the brick/ concrete stockpile.

The drains will be excavated and removed using the excavator fitted with a toothed bucket. The demolition arisings will be placed into the brick/ concrete stockpile.

The drains will have already been located and the outgoing pipe capped using a concrete plug. The location of the concrete plug will be plotted.

8-wheeler tipper wagons or 20yard brick skips will be brought to site. The stockpiled brick/concrete will be placed into the tippers/ skips then taken off site to be recycled.

The general/ timber waste skips will be removed from site and the contents recycled.

The site will be capped with MOT type 1 and compacted using the tracks of the excavator.

11.0 Demobilisation

Demobilisation will be in reverse to the set up.

12.0 Asbestos Removal

Non- Licensed

All Operative's employed by Rhodar on this project will have undertaken Asbestos Awareness Training at minimum. Operatives removing non licensed asbestos will be trained to a minimum of Asbestos Cat B.

Trained operatives will remove the non-licensed asbestos (prior to demolition) in accordance with CAR regs 2012. A separate method statement and risk assessment will be produced for this activity.

All non-licensed asbestos waste will be double bagged and placed into a locked asbestos skip that will be taken to a licensed tip facility of completion of the works.

Licensed

All Notifiable Asbestos products detailed within the Demolition / Refurbishment Asbestos Survey will be removed prior to any Demolition/Soft Strip works, by fully trained Asbestos Abatement operatives, employed by an HSE Licensed Asbestos Removal Contractor (Rhodar). This will be carried out under a separate methodology/risk assessment.

Operatives are to be aware of the potential dangers of hidden Asbestos within the working environment, which may not have been picked up during the Demolition / Refurbishment Asbestos Survey.

13.0 Protection of Existing surfaces

Footpaths and road will be protected during the delivery of plant using either timber ply or vehicle tyres.

14.0 Environmental Issues

The following Environmental issues will be present during Mechanical Demolition

- Noise
- Dust
- Drains
- Refuelling of Plant
- Waste streams
- Invasive species

See the environmental section of site-specific Risk Assessment for issues relating to mechanical demolition.

15.0 Temporary Lighting and Power (Inc. PAT)

Rhodar are to hire a small generator and several task lights to be used for the last number of hours during the day until daylight as and when required.

All temporary Power and Task Lighting is to be supplied by the Principal Contractor

PAT Testing and paperwork must be on site with the Rhodar Supervisor.

16.0 Supporting Documentation

Appendix 1 – Risk Assessment

Appendix 2 – COSHH Assessment

Appendix 3 – COVID Risk Assessment

METHOD STATEMENT BRIEFING RECORD

By signing this document, I am declaring that I have read and understood the contents of the Method Statement, and that I will not undertake any activity on site which deviates from the information and guidance contained in this document.

| Name | Signature | Date |
|------|-----------|------|
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CONFIRMATION OF SERVICE ISOLATION/ DISCONNECTION

If written confirmation of service disconnections is not present in the site file, the client should produce written confirmation on site.

If however no written confirmation is present, you can proceed with due care if the client signs this document to confirm services have been isolated/disconnected.

If no one is present on site advise the office immediately who will email this to the client for confirmation prior to demolition works commencing.

I confirm that all necessary services have been isolated/disconnected for the demolition work to take place.

Signed: _____
Print Name: _____
Date: _____
Name of Organisation: _____

If any services are to remain live throughout the project, they must be clearly identified to the Site Supervisor: -

Services that are still live are: _____
Signed by the Client: _____
Signed by Rhodar Supervisor: _____

This document must be kept on site and returned to the office at the end of the project with other relevant paperwork.

SITE INDUCTION FORMAT FOR VISITORS AND SITE STAFF

You will be asked to complete the induction sheet.

Please be aware that this is a working demolition site.

- Suitable Safety PPE to be worn as required.
- These must be always worn correctly on site, except in welfare facilities.
- You must be always accompanied on site by a representative of Rhodar Ltd.
- For your safety always follow the instructions of Rhodar Ltd staff.
- You must not enter exclusion zones beneath high level work.
- Pedestrians beware of vehicle and machine movements.
- In case of an emergency, the demolition assembly point is the site cabin at the entrance to our site.
- It is illegal to smoke inside any building, warehouse, cabin, site machine/van etc, you are legally able to smoke outside the building; however, if the site still belongs to a client, they are entitled to state smoking must be outside the perimeter of the client's site and we must adhere to the client's regulations.