

133 Windmill Street



Method Statement

For

Demolition Works

At

133 Windmill Street Gravesend

14.02.23

Revision 1

Document Control

Rev No.	Prepared by K.English Contracts Manager	Checked by M. Wiseman M.D		
Rev 1	K.English	M.Wiseman	14.02.23	

RAMS Briefing Register



Operatives to confirm they have read, understood and agree with the method statement and risk assessments

Name	Signature	Date	Employer
Briefing Given By:		Signed:	

Introduction.

The works to be carried out is the completion of demolition of the Police Station and Civil Defence Building.

The building was part demolished by a previous contractor with the external walls and podium slab remaining.

From site inspections it is obvious that this was a substantial building and will require heavy plant to complete the works.

The site is bounded by existing footpaths which our client will request from the local authority to temporarily close where feasible. Permission has now been obtained to close all the adjacent footways. This will greatly help keeping the public safe while demolition was in progress.

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1.0 – General Information

The client whom these works are being carried out on behalf of is Churchill Retirement Living. Ltd. with Maldon Demolition acting as Principal Contractor for the duration of our works.

The Project Manager who shall be controlling these works is Lee Trowbridge and will be present on site during the works being undertaken.

There will also be regular visits from the nominated Contracts Manager K.English, who will liaise with Churchill Retirement Living's Project Manager throughout the Project

The health safety and environmental aspects for this site shall be monitored by the Contracts Manager and Project Manager. Mark Wiseman Managing Director, Louise Kerr Office Administrator can be contacted at Head Office on: 01621 859217 for any discussions or queries you may have. A copy of our company structure chart will be on site and can be found displayed within our project site file.

**The emergency point of contact for all services Mark Wiseman M.D. 01621 859217 07860 313638
Maldon Demolition Ltd. Station Road, Maldon Essex, CM9 4LQ.**

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Maldon Demolition's full health safety and environmental policy can be viewed by all employees of Maldon Demolition, members of Churchill Retirement Living Ltd or their agents, and other third parties at any time. Please contact our Head Office to request a copy to be sent to you.

A copy of this method statement together with risk assessments and addendums will be kept on site at all times.

We reserve the right to alter any part of this method statement in the light of new information or due to a change of circumstances. Any amendments that are needed to be made to the method of works shall be carried out by the competent Project Manager and be reviewed at head office by senior members of staff. Any alterations made shall be communicated to any personnel during a task briefing and a confirmations sheet signed. A further copy will also be sent to the Churchill Retirement Living Ltd for approval.

2.0 - Scope of Works

The site is located at 133 Windmill Street Gravesend. The structure has been partially demolished leaving the boundary walls and the remains of the ground slabs, columns and beams.

- Soft strip
- Asbestos Removal
- Remove soft strip arisings to a local recycling yard
- Complete demolition of the structures down to pavement level
- Grub out ground bearing slabs and foundations to a depth of 2m.or pile cap level within the site.
- Crush arising to 6f2 specification for later use on site.

Hours of working will 8,00am—5.00pm Monday to Friday only.

Programme

7 weeks

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3.0 – Working Methods

Plant and equipment:

Testing certificates for our plant and equipment shall be contained within our project site file for the duration of the works. Any hired in plant will not be used unless a testing certificate has been made available and inspected.

Daily inspection sheets shall be completed at the start of each working day and to conform with Real Ltd H&S-T.M.27.5

Plant and equipment to be used: 2x 360° excavator, Crushing plant

Diesel shall be kept within a double skin bowsters which will be segregated with full signage. A spill kit shall be kept on site in close proximity.

All plant on site will comply with N.R.M.M Stage 11B



3.1

Personal Protective Equipment:

When on site all operatives shall be wearing the following PPE as mandatory. Safety boots, hi visibility vests and hard hats. Additional PPE such as protective eyewear, dusk masks and gloves appropriate to the task being carried out shall be worn when soft stripping procedures are undertaken. When concrete crushing is carried out dusk masks and ear defenders will be mandatory. Any other necessary PPE will be decided upon by the site supervisor or operatives. All PPE will conform to the necessary standards set out and operatives are to sign the confirmation sheet stating it has been provided to them.

3.2

Training: H&S Inspections

All operatives working on this project have been CITB trained and deemed competent to carry out these works. Training includes CCDO / CSCS cards CPCs cards for appropriate plant used, demolition and asbestos awareness, working at height, manual handling, fire marshal and first aid at work.

Copies of all training certificates held by employees will be forwarded to Real Ltd Project Manager to inspect prior to operative's undertaking any work activities on site.

Monthly Health and Safety Inspections will be carried out by Prime Safety Ltd and written reports will be forwarded to project Manager and Health and Safety Department.

Site Security:

To ensure protection of the public and unauthorised access the site area will be fenced off at a height of 2.4 metres high. The final position of the hoardings will be dependent on the local authority requirements.

All exclusion zones and warning signs shall be put in place and maintained by Maldon Demolition.

3.4

Traffic Management:

Please see Traffic management Plan .

Maldon Demolition will ensure the Plan for traffic and pedestrian routes are maintained and kept clear of obstructions, road hazards and the likes of building waste debris/mud etc.

Exits and Egress will be maintained at all times and protected with secure site gates/hoarding and protected from unauthorised access. During the works, hoarding gates will be kept shut and a banks man providing for aiding any site traffic. Deliveries will be limited between the hours of 8.00 am – 5.00pm. The traffic management plan shall be displayed within the site welfare office and be brought to the attention of all operatives and drivers entering site.

Lorries will be requested to park away from the site and will be called in by the Project Manager when needed.

There will be no waiting in adjacent roads. Lorries waiting for loading will be permitted to wait on site at the Project Managers discretion.

4.0 – Preliminary Works

On arrival to site the Project Manager shall walk around gathering any additional information he feels may be needed. All suitable signage shall be erected, and all necessary site inductions, confirmation forms, task briefings and talk box talks are to be carried out at this stage.

4.1 Asbestos.

Demolition and Refurbishment survey has been undertaken and clearly shows that only gaskets and a small amount of cement/asbestos board is present on site. This material is Non-notifiable although the HSE will be informed by submission of an ASB5 notification

Only Asbestos trained operatives will undertake the removal.

We do not intend to strip out the gaskets or flash guards We will use the cut and wrap technique. The electrical panel will be first be sealed and then carefully removed from the wall. The panel will then be double bagged and taken to an asbestos container for removal as asbestos waste.

The same procedure would take place to remove the pipe gasket. Wrap the pipe joint. Cut the pipe either side of the flange and remove to the asbestos container.

4.2 Services.

We are to liaise with Churchill Retirement Living to ensure that all known existing service have been disconnected and made safe. Maldon Demolition Ltd will require written proof that this important task has been completed.

As added precaution, we will, prior to any excavation survey the area with a Cable Detection Tool to locate any hidden services which may be present.

This tool will remain on site throughout the project and occasionally checked to ensure it was in good working order at all times.

Power for our needs will be provided by generator.

All electrical tools, plant and equipment will be PAT tested and certified on arrival on site.

4.3 Ecology.

T.B.A

4.4 Toolbox Talks/ Task Briefings.

Operatives will be required to attend a toolbox talk at the beginning of each shift.

At these important briefings the daily tasks for each operative will be clearly defined and any risks that may be relevant will be clearly explained and the need to put in place controls to eliminate the risk.

Operatives once confident will be asked to sign the tool box form and these will be forwarded weekly to P.M.

Daily task briefings sheets will be completed and forwarded to the Project Manager

5.0 - Soft Stripping

There is a very limited amount of soft stripping to complete. The site will need tidying on our arrival and this will entail the removal of any accumulated rubbish etc.

This material will be separated and placed in containers for removal to a recycling yard.

5.1 Scaffolding

None Required.

5.2 Protection to the Public.

The site is in a busy commercial/residential area and the following procedures will be in place to Protect the public at all times.

- Safety signage will be clearly displayed on the site Hoardings, Danger Demolition in Progress, Keep Out, Site Entrance and Emergency numbers.
- A banks man will be posted at all site times to ensure that Lorries entering and leaving the site were controlled and the public were safe around the site entrance.
- There will be no deliveries in the rush hour periods and busy school times.

6.0 - Demolition

Maldon's Project Manager will inspect the structure to ensure barriers and fencing are in place to prohibit any entry into the structures, when satisfied he will issue the permit to demolish.

In addition to the external hoarding Heras fencing will be erected around the specific structure due for demolition which will be delegated a demolition exclusion zone which will require entry permission from the Project Manager or Demolition Supervisor. THERE WILL BE NO EXCEPTION TO THIS RULE. Only the machine driver and Banksman will be permitted in the exclusion zone while demolition was in progress. This will ensure debris will be properly controlled falling in a safe and controlled manner.

Footpaths closed.

The client has instructed that demolition works to the boundary walls will cease at road level to protect any services which are present within the footways. We will leave the existing columns to act as support to the boundary wall at footpath Level.

With this established we will commence the removal of the remaining high level ground floor slab. We have assumed that beneath the raised slab is fill and if this fill is to be removed this will not part of our works at this time.

The machine selected is a 40t excavator equipped with a large concrete cracker instead of the traditional hydraulic breaker. Using this machine and attachment will greatly reduce noise emitting from the site. The machine will methodically crunch the slab back to the boundary walls. A second twenty machine will assist by clearing the arising's to a designated stockpile area for future crushing.

With the slab removed the boundary walls demolition will commence.

A banksman will be position within the hoarding and boundary wall. He will be equipped with a two-way radio to be in contact with the driver at all times.

The machine will then reach up and pull the top section of the wall into the site, this will continue around the external walls, then the process will be repeated in sections until all the brickwork was safely removed into the site, The second machine will work along with the other demolition machine and clear the arisings as the appear.

The removal of the supporting columns can commence. The 40t machine will simply crush the columns at ground level and the second machine will hold and lower to the ground. This would continue until all columns were demolished

The machines will now remove the ground slabs and foundations at the lower level. It may now be necessary to use the hydraulic breaker to break the foundations as the other machine lifts them out.

We will remove any ramps into the site and nearing completion, form a new ramp using the 6f2 to maintain entry and exit to the site.

Crushing

The crushing plant selected is new and complies with all environmental legislation. It is equipped with hoses spraying directly onto the belt which will considerably reduce airborne dust.

- The extec will be situated in an appropriate place on site and fenced off by means of Heras fencing panels which shall have full signage erected.
- A 360° excavator will load materials directly into the hopper where the materials will drop into the crushing jaws processing them and then falling onto the conveyor belt, depositing crushed at the opposite end.
- A second 360° excavator will clear the belt.
- An operative will be on standby should the crusher have a blockage.
- In this instance all machinery will be completely shut down to enable the blockage to be safely cleared.
- At no point shall there be any operatives standing on the crusher platform.
- All guards and handrails will be checked at the start of the working day and recorded on the daily plant checklist.
- During these works water shall be in use at all times
- Appropriate PPE i.e. gloves, glasses and hearing protection will be mandatory during these works.
- The resulting stockpile will not be higher than the existing hoarding and will be regularly dampened down.
- Crushed materials will be independently certified to type 6f2 specification.

7.0 – Fire and Emergency Procedures

A site fire plan will be in place and a toolbox talk will undertaken to make sure all operatives were fully aware of the actions required should a fire be present on site.

A copy of the plan will be displayed in the welfare facilities.

The nominated first aider for this site is to be Lee Trowbridge and can be contacted on: 07985 373633

adequate first aid equipment is available on site and contained within the site welfare office.

Details of all accidents/incidents, no matter how slight, must be recorded on an Accident/Incident Report Form.

The Company's appropriate safety personnel must be contacted at once in the event of any accident/incident or near miss no matter how minor by the Demolition Site Supervisor.

Louise Kerr	Head Office -	01621 859217
Mark Wiseman	- Managing Director -	07860 631638

All accidents/incidents and near misses will be thoroughly investigated by management assisted by safety personnel to ascertain causes and prevent recurrence.

First Aid.

For First Aid duties there will be by two trained personnel on site at all times. Lee Trowbridge and Dave Taylor.

First Aid equipment is situated in Project Managers office

Emergency numbers are clearly displayed in the welfare facilities.

All injuries will be immediately reported to Churchill retirement living Ltd Project Manager and Maldon Demolition Ltd Head office.

8.0 – Environmental Factors

Dust:

It is inevitable dust will be produced during our works being carried out. This however shall be minimised where possible by the selection of controlled demolition techniques, controlled damping down by water provided by a Fire Hydrant close to the boundary. A licence will be applied for from the Water authority for this use. All stockpiles should be thoroughly dampened down to prevent the travelling of dust across site and over the boundary.

Visual monitoring shall be carried out and works stopped if unacceptable levels are reached. Dust monitoring must be carried out three times a day on a daily basis when Demolition and concrete crushing is being undertaken in line with our council permit.

Noise:

Noise monitoring shall be carried out 3 times per day if deemed necessary by the site Manager.

Waste:

All waste generated from our works is to be segregated and recycled as reasonably practical and taken from site to the nearest appropriate waste facilities.

On the completion of the project all consignment notes shall be forwarded to Churchill Retirement Living Ltd. for inclusion in their SWMP

Vibration:

The hydraulic breakers if used to remove foundations are capable of impact energy 10,000 joules and impact frequency 350-520 blows per minute. This however, is the maximum figures it is able to reach. Figures are variable on concrete depth vibration levels and should not have an impact on the surrounding structures, however, if the machine operator does feel at any point during the works that this may cause a problem, works shall cease and actions put into place.

9.0 – Risk Assessments

- Demolition by mechanical means
- Working with Hand Tools
- Breaking concrete with excavator
- PPE
- Access to the demolition Areas / preventing un-authorised entry to site
- Dust Control On site
- Slips, Trips and Falls on site
- Crushing