

DEMOLITION METHOD STATEMENT – Phase 2



CLIENT: Reading Borough Council

PROJECT: Phase 2 - Thurso Close, Reading, RG30 4YE.

DOCUMENT REFERENCE: J998-P1MS

ISSUE NO: V2

ANTICIPATED START DATE: TBC

DURATION: 10 Weeks – Subject to Ecology

THIS ISSUE				
	PRINT NAME	SIGNATURE	POSITION	DATE
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CHECKED BY:	Dave Stafford		Director of Operations	
ACCEPTED BY:				

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ISSUE HISTORY			
ISSUE NUMBER:	ISSUE DATE	AUTHOR	AMENDMENTS
1	08.08.2024	CH	First Issue
2	09.08.2024	CH	Page 13 – Update Site Plan (P2)

*This **Method Statement** has been produced in accordance with **BS6187:2011 Code of Practice for Demolition and Regulation 20 of the CDM Regulations 2015**, the information contained herein are to be complied with by all Site Personnel. This Method Statement is classed as a live document and information may be changed or added as the works progress.*

All revisions to the method statement and risk assessment will be recorded on this page.

The author of the amendment(s), or other authorised person, must explain the details of the amendment (s) to the Site Supervisor. The author must ensure that the Site Supervisor signs off the amendment to confirm that he has received and understood it, and that the Site Supervisor returns the signed off front page so that the author can file it in the project office file.

The Site Supervisor must sign off and return the copy of this Amendment page, as explained above, and carefully insert this page and the amendments into the project site file. He must also clearly line through the existing pages to indicate they have been superseded.

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SECTION 1 – PROJECT INFORMATION

CLIENT

Reading Borough Council

Civic Office

Bridge Street

Reading

RG1 2LU

PRINCIPAL CONTRACTOR

J.Mould (Reading)

Hydecrete Pit

Pingewood Road North

Burghfield Bridge

Reading

RG30 3XN

HSE OFFICE

Priestly House

Priestly Road

Basingstoke

SITE SAFETY MANAGEMENT & RESPONSIBILITIES/PROJECT CONTACTS

- JMR will provide a suitably trained and experienced Site Supervisor/Manager for all works undertaken. Who will:
 1. Understand and comply with the company Health & Safety Policy and ensure all operatives under their control do so as well.
 2. Be conversant with statutory regulations and the contents of the job specific documents including, Risk Assessments, COSHH Assessments, and this Method Statement together with any documents issued by the Client. They will ensure that all operatives under their control also understand the contents of these documents.
 3. Ensure all works are carried out in accordance with the clients' requirements, to agreed standards and at minimum risk to all parties.
- JMR Site Management will carry out site specific induction and ensure that all operatives have read, understood and signed this statement.
- As the works progress all site employees will attend regular toolbox talks given by the JMR Site Management or Safety Consultant on various site-specific subjects and activities. All operatives receiving the Toolbox Talks will be required to sign a form indicating their attendance.
- JMR Site Management will hold informal daily pre-start talks with the Demolition site operatives to ensure they are aware of the days' work to be undertaken and the different areas that these works are carried out in.
- JMR Site Management will also liaise with the Client on a daily/regular basis to provide an update on progress and general site working.

J Mould (Reading) have been appointed the role of Principal Contractor for the demolition works at 2, 4, 14, 16 & 18 Deveron Drive.

INFO

PEDESTRIAN
ENTRANCE / EXIT

ENTRANCE / EXIT

SITE BOUNDARY

TRAFFIC ROUTE IN

TRAFFIC ROUTE OUT



Welfare arrangements will be provided by JMR in compliance with the CDM Regulations 2015 and will consist of the minimum:

- Site establishment
- Demolition of structures
- Removal of slabs & foundations
- Crushing of Hardstanding

1.4 – DURATION OF WORKS

- Commence on site TBC
- Duration 10 Weeks – subject to Ecology Works
- Working Hours 08:00-17:00

1.5 – SITE RESTRICTIONS

- Asbestos containing materials have been identified within the asbestos surveys completed. All asbestos works will have been completed within phase 1 prior to any structural demolition of buildings.
- The demolition works must be undertaken in accordance with the Additional Ecological Measures.
- Neighbouring properties will be in use during the demolition phase and their associated access roads. These must remain clear at all times with no waiting, parking or obstructing on them allowed.
- **The structure has suffered from an arson attack and therefore care must be taken when entering and the structural integrity must be established prior to entering.**

1.6 – LIVE SERVICES

- Service records for the area are poor. Whilst JMR have made fair and reasonable effort to ensure all buildings are isolated of all services, the risk remains that the site could contain uncharted live services.
- Electric and gas will be terminated at boundary prior to works commencing and isolation certs issued to JMR.
- The water will re-routed and a standpipe erected to supply water throughout the works. This is essential for the asbestos removal and dust suppression.

<u>STOP</u>	Confirmation that all services have been terminated at the site boundary and written confirmation has been issued to JMR Site Management.	HOLD POINT
	Client Representative:	
	Name..... Signature..... Date.....	

<u>STOP</u>	We confirm that written confirmation of service termination within the buildings has been received from the client Representative and that the termination point has been visually checked.	HOLD POINT
	JMR Site Management:	
	Name..... Signature..... Date.....	

1.7 – EMERGENCY ARRANGEMENTS

- **Action in the event of a fire or explosion.**

Firstly, raise the alarm – Induction will explain what alarms are available

If safe to do so, put out the fire using the correct fire extinguisher for the material alight.

If not able to put out the fire, fire marshal or supervisor must call the fire brigade 999

Everyone must go to the muster point and be checked off from the site register to ensure everyone is present.

Assembly Muster point: As shown on the Site Layout Plan.

Supervisor will then assist the fire brigade with any relevant information.

- **Action in the event of an accident**

JMR Site Management will appoint First Aiders during site set up and induction with First Aid kits.

Assess the situation – do not put yourself in danger

Make the area safe

Assess all casualties and attend first to any unconscious casualties

Send for help - 999

HOSPITAL ROUTE

Thurso Close, Reading, RG30 4YE

to

Royal Berkshire Hospital, 21 Craven Road, Reading, RG1 5BD.

Royal Berkshire Hospital

Accident & Emergency Department

Tel: **0118 322 5111**

15 min (4.1 miles)

via Portman Rd

Fastest route now due to traffic conditions

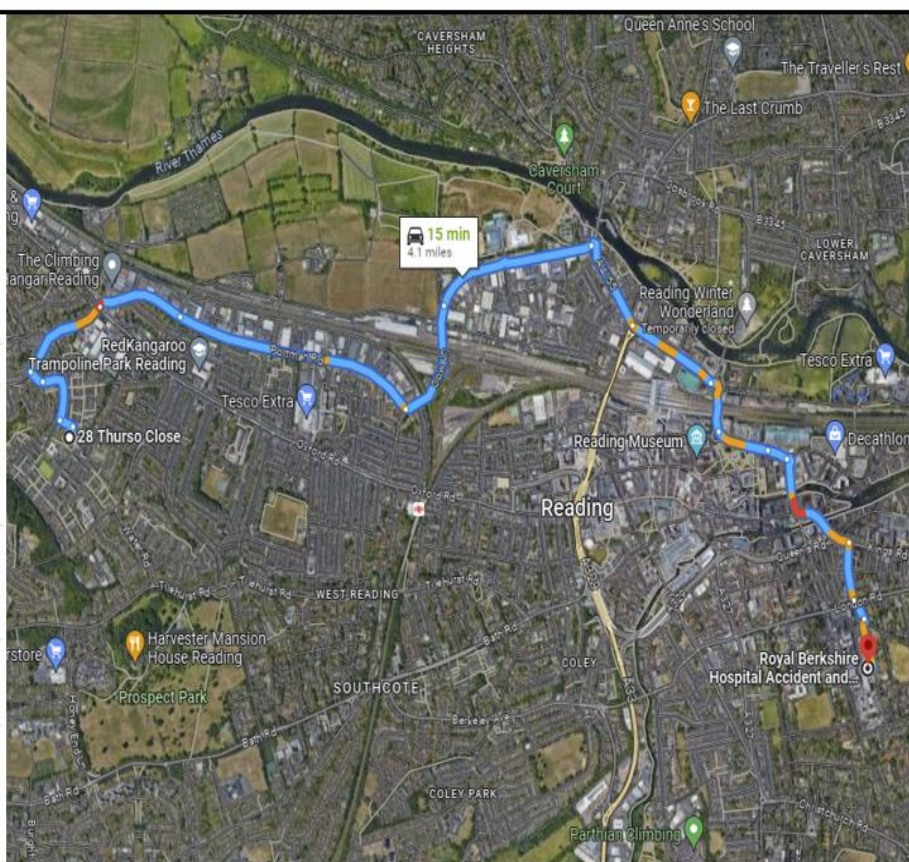
28 Thurso Cl

Tilehurst, Reading RG30 4GT

- > Take Thurso Cl and Deveron Dr to Norcot Rd
2 min (0.3 mi)
- > Take Portman Rd, Cow Ln, Richfield Ave and A329 to Eldon Rd
10 min (3.5 mi)
- > Follow Eldon Rd to Craven Rd
2 min (0.3 mi)

**Royal Berkshire Hospital Accident and
Emergency Dept**

21 Craven Rd, Reading RG1 5BD



SECTION 2 – ACTIVITY SPECIFIC ASPECTS

2.1 – SITE SET UP CHECK LIST

ITEM	Checked by	Signed	Date
Site boundary secure			
Site safety signage installed			
Service disconnections completed and paperwork onsite			
Welfare set up and in all good order			
Asbestos survey onsite			
Adequate first aid kits onsite			
A&E information on site and displayed			
Adequate water supply set up			
H&S poster displayed			
Site set up as per SSOW site plan			
F10 Displayed			
CP H&S Plan onsite			
ASB5 Onsite			
ASB1 onsite			
Section 80 displayed			
Certificates for all plant onsite			

2.2 – HERAS FENCING AND HOARDING

- The site already has hoarding erected around the site with access gates for both Vehicles and Pedestrians.
- The Security Heras fencing will be supplied and erected around the site compound area by JMR operatives. The fencing will be posted with suitable and sufficient pictorial safety signage posted onto it warning of the hazards within.

2.3 – RESOURCES REQUIRED

Management/Labour	Plant/Equipment
1 x Site Supervisor	Hand tools
1 x Plant Operator	Heras fence panels
2 x Demolition Operatives	Bowser
	Welfare cabins
	Generator
	Scaffold tower/podiums
	110V or Cordless Reciprocating Saw
	1 x 30T Excavator

- All operatives will hold the relevant competence cards/certification require. (CCDO, CSCS, CPCS, SMSTS)
- All plant and equipment will have relevant certification to work on site.

2.4 – SITE PERMITS

There is a requirement for a Site Permit System on this project.

The following Site Permits are required to be issued by the Site Supervisor:

- Permit to Dig

2.5 – PERSONAL PROTECTIVE EQUIPMENT

MANDATORY PPE				
				
HARD HAT	EYE PROTECTION	HI-VISIBILITY	SAFETY GLOVES	SAFETY BOOTS
BS EN 397	EN 166 1F	EN 471	BS-EN 140	BS-EN 345

TASK SPECIFIC PPE / RPE						
						
P3 HALF FACE MASK	P3 DISPOSABLE MASK	TYPE 5/6 DISPOSABLE COVERALLS	EAR PROTECTION	BURNING / FULL FACE VISOR	LEATHER BURNING JACKET	HARNES / LANYARD
EN140:1998 & EN143:2000	EN 149: 2001	EN ISO 13982 EN 13034	BS EN 352-3	EN 166 39B	BS EN ISO 11611:2007	EN361, EN354, EN362
The above PPE may be required for certain activities, or when specifically prescribed by the Site Supervisor.						

2.6 – CONTROL MEASURES

- Danger areas to be fenced off to stop unauthorised access, lay down areas to be free from obstructions.
- Adequate spill response equipment to be in place before works begin.
- Care will be taken to ensure that a secure site boundary fence and appropriate warning signage is in place throughout the demolition works.
- Good Communication is essential – Daily morning meetings of no more than 5/10 minutes will be required between JMR Site Supervisor and personnel on site, (including any sub-contractors) to discuss the day's proposed activities. This liaison will aid in the smooth running of the project and help to highlight any potential problems that could otherwise occur.
- Two-way radios will be utilised for communication and emergency. Machine drivers and JMR management will be in radio communication to stop works in the event of an emergency.
- Check service drawings and historical data to check for underground voids within the vicinity of the demolition area.

2.7 – MITIGATING NUISANCE NOISE, DUST, AND VIBRATION

Throughout the demolition process noise, dust, and vibration will be kept to a minimum; this will be achieved in various ways as detailed below.

1. Use of correct plant for specific tasks ensuring plant is fully maintained. We also have an extensive fleet of attachments for every demolition application.
2. Leaving part of external elevation of particular buildings intact to act as a visual and acoustic screen.
3. Using 'quietest' method when both demolishing structures i.e. using grab or pulveriser rather than impact breakers.
4. When removing ground floor slabs and foundations, structures will be lifted by bucket attachment whenever possible, in-lieu of using impact breakers.
5. Fire hoses will be used to spray water onto the work face and suppress dust.
6. Using proprietary dust suppression equipment, such as DustBoss DB60.
7. Bins must have lockable lids, and doors should be kept locked all time s to minimise the chances of Verman getting in. food sources must be kept locked away in fridges or lockable containers. if required a pest control contractor may be required to attend site to clear Rat burrows or install traps. This will be monitored throughout the demolition phase. Manholes will also be blocked.

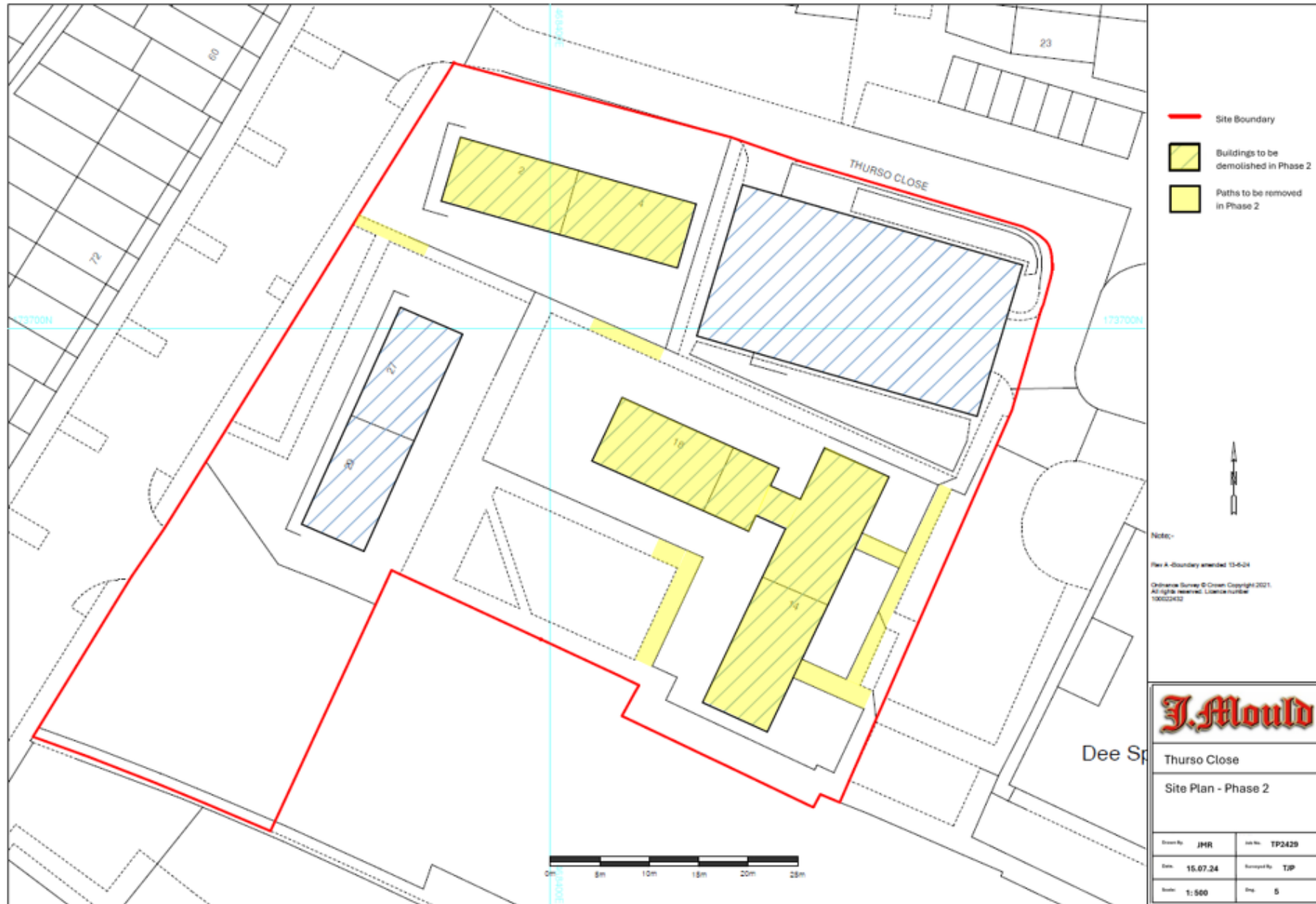


DUSTBOSS DB-60

2.8 – SITE LAYOUT PLAN

Site plan-Thurso close





SECTION 3 – METHOD STATEMENT

3.1 – HOARDING INSTALL

- The hoarding has already been installed under a separate order and is in place already.

3.2 – ASBESTOS REMOVAL

- The asbestos removal works have previously taken place during Phase 1 of these works.

3.3 – SOFT STRIP

- The removal of all fixtures & fittings, furniture, carpet tiles, false ceilings, timber, services, cables, light fittings, insulation / lining boards within the structures to allow for the demolition.
- In all manual lifting operations, regard is to be noted with reference to The Manual Handling Regulations. i.e. team lifts, use of lifting equipment/mechanical means rather than men where practicable.
- Skips will be placed as close as possible to the area of works and fenced off during the works.
- During soft stripping, to minimise Manual Handling, Drop Zones will be formed, and the arisings will be dropped down to ground floor level, where a 360° excavator will segregate into various waste skips.
- All debris will be removed on a regular basis to the collection points for disposal, thus creating a clean, safe working area and maintaining good housekeeping procedures.
- Disposal transit routes are to be reduced to minimise the requirement for Manual Handling.
- This method is to be read in conjunction with the asbestos surveys. Known areas of Asbestos (not removed prior to soft stripping) will be highlighted to the operatives and sprayed red. It could be, however, that other such materials may be uncovered during the soft stripping process. Should such an incident occur, JMR will secure the suspect material and its location, as far as is reasonably practicable, and inform the client and arrange the necessary sampling and testing of the material.
- All operatives will have undergone Asbestos Awareness training.
- Suitable hand PPE to be worn to protect from injury during all manual handling operations.

Soft Stripping of all doors, frames, windows, architraves, cable ducts and skirtings

- Doors may be fire resistant and may be required to be moved with support from a suitable trolley, whilst work in the removal from frames is carried out.
- There is potentially brittle glass within some of the doors. This can be taped over and removed by remote methods (i.e. scaffold tube used to break out the glass) prior to removing the door. Full gauntlets and visors are to be worn when handling glass. Glass will then be cleared up and placed into the skip.
- Doors and frames to be removed to the outside of the building for disposal to skips.
- Soft stripping of doors, frames, architraves, cable ducts and skirting's is to be carried out using hand tools or 110v Reciprocating Saw.
- Frames are to be removed using crow/nail bars and reciprocating saws for the removal of steel fixings.
- Timbers and glass to be removed directly to skips to prevent injury from cuts, nails etc
- Any protruding sharp edges, nails etc will be knocked flush with the adjacent structure or removed to avoid puncture wounds.

Soft Stripping of stud partitions

- Soft stripping of stud partitions is to be carried out using hand tools, Stanley knives, 110v reciprocating saw
- If required, the partitions will be cut into sections using a reciprocating saw to ease removal

Soft Stripping of all Cables and Services

- Soft stripping of service cabling and steelwork is to be carried out using hand tools, 110v Reciprocating Saw
- Cables are to be cut at each end of the sections to be removed prior to removal of fixings or support trays.
- Clips and small brackets are to be removed using crow/nail bars and reciprocating saws will be used for the removal of steel fixings and main supports, as access dictates.
- Cable trays and steelwork runs are to be dismantled in such a manner as to allow heavy or long lengths to be progressively lowered to floor level, without the need to overreach.

Waste Electrical and Electronic Equipment (WEEE)

- WEEE Items (such as monitors, microwaves, fridges, computers, light fittings etc will be removed from the structure by hand, segregated and palletised. These pallets will then be shrink wrapped and an inventory recorded for each pallet. This will then be stored in a secure location awaiting disposal as necessary.

Fluorescent Light Fittings

- Light fittings will be removed for segregation and disposal of the primary contaminant components -Mercury contained within fluorescent tubes and potential PCB materials within starter capacitors.
- These will be removed by hand prior to demolition wearing the site standard PPE and placed into the disposal 'coffins'

Task Specific Risks

- 01 – Internal Strip Out of Buildings
- 02 – Manual Handling
- 05 – Use of Portable Electrical Equipment
- 07 – Hand Arm Vibration Syndrome (HAVS)
- 14 – Disposal of Waste Materials
- 19 – Work Creating Dust
- 20 – Working at Height
- 21 – Use of Mobile Towers
- 35 – Occupational Diseases
- 37 – Discovery of Suspected Hazardous Substances

3.4 – SUPERSTRUCTURE DEMOLITION

Buildings identified as having bat potential /bat roosts, no demolition to take place until consent has been granted by the Local Planning Authority and necessary licences attained from Natural England.



- Demolition will be by way of 360° Excavator fitted with a selecta grab attachment.
- The 360° Excavator will position itself on the Western side of the structure facing East.
- The 360° Excavator will reduce the external wall down in height to ground level clearing any arising materials as they are produced to maintain a clear working area.
- This will expose the roof and the intermediate floor.
- Using a selecta grab a section of the roof will then be removed as far back as can safely reached. Arisings will be cleared immediately to prevent any overloading of the internal floor.

- The intermediate floor will then be cleared as far back as the removed section of roof.
- The external walls will then be removed as far back as the removed section of roof folding them into the confines of the structure's footprint.
- When the 360° Excavator has reached as far back as the link structure it will turn and then work along the building working from North to South.
- This process will be repeated until the 360° Excavator has demolished all of this block to the top of the slab.
- When the arisings have been cleared from the working area the 360° Excavator will continue onto the second block and complete the structural demolition in the sequence shown in the drawing above.
- This process will be repeated along the entire length of the second block up to the rear external end elevation which will then be folded back into the site away from the rear fence line.



These works will be carried out under the guidance of a lookout, and should any vehicles or pedestrians approach the working area the plant operator will be instructed to stop until the working area is clear to proceed.

During the demolition works water will be sprayed onto the work face either by handheld hoses or using the Dust Boss to suppress any potential dust that may be released.

Task Specific Risks

- 02 – Manual Handling
- 09 – Demolition of Structures – Mechanical
- 10 – Self-Propelled Plant Operation
- 11 – Self-Propelled Plant Set Up & Maintenance
- 12 – Use of Quick Hitches
- 14 – Disposal of Waste Materials
- 15 – Changing Attachments on Plant
- 16 – Noisy Machinery & Processes
- 19 – Work Creating Dust
- 37 – Discovery of Suspected Hazardous Substances

3.5 – SUBSTRUCTURE DEMOLITION

Prior to any works commencing the following procedures will have been implemented and completed:

- Services drawings inspected
- Area (and surrounding perimeter) to be CAT Scanned
- Any identified services to be marked up with spray paint
- Permit to Dig issued

With the superstructure removed the ground bearing slab will have been exposed. The excavator using a bucket attachment will begin to remove the slab and foundations. Should it be required an impact hammer will puncture the slab and foundations to break them up to moveable sections.

The excavator fitted with the bucket will then lift and stockpile sections ready for further processing.

Task Specific Risks

- 10 – Self-Propelled Plant Operation
- 11 – Self-Propelled Plant Set Up & Maintenance
- 12 – Use of Quick Hitches
- 14 – Disposal of Waste Materials
- 15 – Changing Attachments on Plant
- 16 – Noisy Machinery & Processes
- 19 – Work Creating Dust
- 27 – Storage of Fuels & Other Flammable Liquids
- 37 – Discovery of Suspected Hazardous Substances

METHOD STATEMENT BRIEFING

I have read and understood this POW and have access to JMR SOP which is to be used in conjunction with this POW

[illegible]