

DEMOLITION METHOD STATEMENT MS001	
Project:	Client:
Single shed, Royal Wotton Bassett, Marlborough Rd, Swindon. SN4 7SE	Miller Homes. 715 Waterside Drive, Aztec West, Almondsbury, Bristol. BS32 4UD

Start Date	Finish date	Site Contact
TBC	TBC	TBC

Prepared By: Daren Parsons	Authorised By: Will Ealey



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Hold points and site-specific issues (to be removed and added to notice board)					
Hold point action's (Significant H&S risks)					
Below is a list of significant site risks that must be managed prior to works progressing to the next phase					
HP	Hazard	Risk Level	Details of the hazard	Actions required prior to works progressing.	Site managers sign off
Hold Point 1	Asbestos	H	Exposure to asbestos	Prior to works commencing R&D Survey to be reviewed Licenced asbestos to be removed by LARC and non-licensed removed by bath demolition under controlled conditions as set out in RAMs all operatives on site to be made aware of asbestos locations and asbestos aware as a minimum	
Hold Point 2	Services	H	Live service strikes	The site supervisor must ensure that all relevant services have been protected, and the position (with full extent) clearly marked as live prior to works commencing.	
Hold Point 4	Adjacent buildings & nearby neighbouring properties	M	Noise and nuisance to public	Demolition works will take place near to neighbouring properties. Bath Demolition operatives will need to always keep noise to a minimal.	
	Temporary Works	M	Risk of collapse and unsafe structures	Any temporary works to be fully designed and approved prior to installation and entered the temporary works register and signed off by temporary works coordinator	
Hold Point 5	Exclusion zones	M	Risk to non-demolition personnel walking into the demolition zone	On initial site walk around it was noted there could be areas where people could enter the site unsupervised prior to commencing site supervisor to walk the site boundary to ensure site secure and there are no areas people could enter inadvertently. Boundary to be checked periodically to ensure no areas are exposed.	
Site specific issues. (Minor H&S risks)					
Below is a list of site-specific issues that need to be managed but that don't present a significant, health and safety impact					
	Hazard	Risk Level	Details of the hazard	Actions required.	
	Wheel wash	M	Mud on Roads outside the site boundary	Vehicle access and egress is to be controlled by the Bath Demolition site supervisor and the site supervisor is to ensure the boundary is secured during demolition works.	

Site Overview	The structure to be demolished is a standalone structure with no other structures around it. There is a lot of vegetation around the structure which will need to be inspected by an ecologist to make sure are works are not going to have any effect on any possible wildlife. The structure to be demolished is in the middle of a field so either the waste will remain on site until an access track is put in place or the waste will be transferred to the edge of the road for loading away.
Demolition scope and overview	The works comprise the demolition of the existing Farm building, removal of concrete slabs and removal of waste. Works include • Soft Strip/removal of loose items to all buildings • Rubbish clearance. • Demolition • Removal of all non-hazardous waste from site

Site Set Up

Delineation (Demolition area, site boundary)

The site boundary will comprise of Heras fencing and will be erected by Miller Homes

Protection of the Public/Other Trades

Site boundaries will be inspected on a regular basis to ensure that members of the public or other unauthorized persons cannot gain access to the works; signage will also be erected on fencing to ensure the persons are aware of the dangers of our site operations.

No plant or equipment is to be operated outside of the site boundary, with all demolition being carried out from within the site.

Welfare

The site welfare facilities will consist of a self-contained mobile welfare unit as shown on the adjacent image. This will have a built-in generator with hot and cold washing facilities. The welfare unit will be of a sufficient size for the maximum number of operatives and visitors onsite at any one time.



Fire points

There will be two fire points set up one by the work area and one by the welfare unit.

Sensitive receptors i.e.(water cause, public facilities such as school bus stop etc)

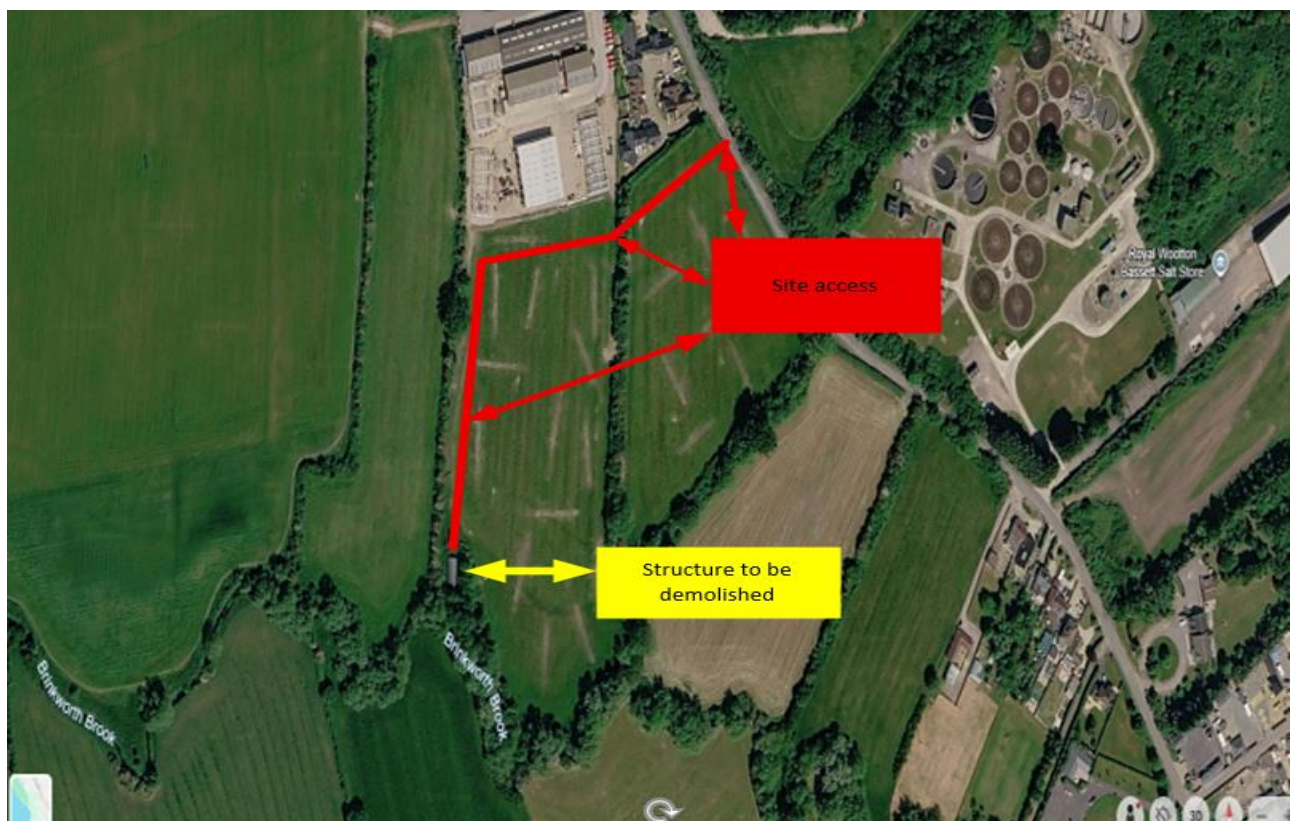
- Access and egress to site is down a narrow lane, Deliveries will be monitored by a banksman

Visitor safety (How do visitors access site)

The site entrance gate will be always locked to prevent any unauthorised personnel entering. On arrival, visitors that will have previously arranged to visit site, will contact the site manager and he/she will escort them onto site in a safe manner.

Any unorganised site visitors will have to wait at the main entrance gate, until they are escorted in by site personnel.

Site logistics and site access



Pre-Start Services Strategy (see above drawings)

Gas: (Include details of disconnection and evidence as well as plans for further disconnections)

Whole site dead		Buildings dead site live	
Partial disconnection (Details below)		No disconnection	

Site supervisor must hold relevant isolation certs supplied by Miller Homes before works commence.

Water: (Details of disconnection and evidence as well as plans for further disconnections)

Whole site dead		Buildings dead site live	
Partial disconnection (Details below)		No disconnection	

Site supervisor must hold relevant isolation certs supplied by Miller Homes before works commence.

Electrics: (Details of disconnection and evidence as well as plans for further disconnections)

Whole site dead		Buildings dead site live	
Partial disconnection (Details below)		No disconnection	

Site supervisor must hold relevant isolation certs supplied by Miller Homes before works commence.

BT, data and alarms: (Details of disconnection and evidence as well as plans for further disconnections)

Whole site dead	Y	Buildings dead site live	
Partial disconnection (Details below)		No disconnection	

Site supervisor must hold relevant isolation certs supplied by Miller Homes before works commence.

Other Services e.g. Fuel Tanks & Air Con: (Include details of disconnection and evidence as well as plans for further disconnections)

Whole site dead		Buildings dead site live	
Partial disconnection (Details below)		No disconnection	

Site supervisor must hold relevant isolation certs supplied by Miller Homes before works commence.

This document will be updated on arrival to site.

Comments (Details of any live services within the site and work area)

Name: Contracts manager		Date	
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Demolition Method

Hold Point 1 - The site supervisor will confirm all service isolations are in place prior to commencing works

Site manager to confirm this has been carried out

Site manager signature Dated

Bath demolition work area is to be cordoned off with barrier tape or traffic barriers prior to work commencing; with “demolition works in progress” signs erected to ensure other site workers are aware we are working within area.

All waste to be cleared as work progresses and transit routes to be kept clear at all times.

Any waste left within the building over night to be stacked and cordoned off with barrier tape.

Protection of the Public

Site boundaries will be inspected on a regular basis to ensure that members of the public or other unauthorized persons cannot gain access to the works; signage will also be erected on fencing to ensure the persons are aware of the dangers of our site operations.

No plant or equipment is to be operated outside of the site boundary, with all demolition being carried out from within the site.

Pre-Demolition

- Services will be terminated in the area of work and Installations decommissioned as necessary; all relevant certifications will be issued prior to demolition commencing.
- A thorough walk through of the redundant structure will be undertaken and all asbestos containing materials physically identified, exclusion zones will be created as necessary
- The site boundaries will be checked and secured where necessary
- Internally ‘Live demolition areas will be zoned off using ‘Heras’ type fencing and entry restricted to the minimum number of personnel required for the execution of the works.
- Plant and machinery will be segregated for pedestrians at all times
- Adequate signage will be placed at regular intervals depicting the nature of any hazard
- Services and isolation points will be identified/protected
- Drains to be identified and necessary protection measures taken to ensure that runoff and/or contamination do not enter the system.
- Temporary water supply established where applicable, Bowsers may need to be used due to the main supply being cut.
- Tool box talks undertaken to include “Pollution Control”, “Weils Disease” and “Buried Services” as well as ones directly related to the demolition works.

After checking security fence lines and on-site physical service checks, all site personnel will receive a site induction to make them fully aware of working methods, risks involved with the works and safety procedures expected of them on site.

Hazardous substances that need to be managed prior to demolition (COSHH)

Asbestos – Asbestos survey to be undertaken. ***This document will be updated once survey results are received.***

In the event that any further suspect materials are found please stop works within the suspect area, cordon off and notify your Contracts Manager. Arrangements will then be made to have suspect material analysed if required. Works to the area will stop until deemed safe by the Bath Demo Contracts Manager.

Pigeon Guano Removal Above Ground Fuel / Chemical Storage

Please see corresponding risk assessment

Due to the building being derelict for some time there is guano within the building, this will need to be decontaminated prior to works commencing.

When clearing guano from internal areas the likelihood is that it will be well-dried with a heightened risk of becoming airborne if disturbed. To ensure operatives are protected. Operatives are to wear disposable overalls, rubber gloves, eye protection, cleanable boots (no laces or laces taped over) and P3 Mask (Disposable particulate respirator (FF P3) shall be worn).



Areas of contamination are to be sprayed down with a dilute antibacterial disinfectant in a low-pressure spray. All areas will be sprayed down and then left to soak in for 10 mins.

The guano will then be cleaned up and put into waste sacks and kept in a secure location for later collection.

Good washing facilities are provided, and good occupational hygiene measures should be followed.

Isolate area. Restrict access, e.g., close doors and/or use warning tape and notices.

Use dust suppression methods i.e., damp down with LPS.

The area in question is large and voluminous, therefore no further air extraction is required.

The suits, gloves and mask filters should be discarded upon completion of the operation and should be disposed of with the waste.

Avoid inhalation of dust, contact with eyes and skin. Cover cuts and abrasions with suitable impervious dressing.

After people have handled waste, they should thoroughly wash their hands before eating, drinking, smoking or carrying out any further work. Any of the aforementioned tasks will be carried out well away from the contaminated area.

First aid: Ingestion - Do not induce vomiting - seek medical attention; Eyes - Flush eye(s) with copious amounts of water. If persistent irritation occurs, obtain medical attention; Skin - Remove contaminated clothing and wash affected skin with soap and water. If persistent irritation occurs, obtain medical attention.

Soft strip works

Site supervisor must obtain relevant documentation for proof of service isolations prior to works starting. Giving the nature of this site it is advised to use a CABLE AVOIDANCE TOOL on all areas prior to demolition.

Site manager to confirm this has been carried out

Site manager
signature Dated

Removal of Cubicles and Loose Items from Agricultural Buildings

Prior to asbestos cement roof sheet removal, all loose items will be removed from the building comprising of bedding down straw materials and cattle holding bays mostly made from concrete and metal.

- Operatives will scrape the straw coverings from the building using a skid steer loader and 14t excavator. Site supervisor must be mindful of the straw being flammable if dry.
- Concrete cubicles will be internally demolished using the 14t excavator and all materials will be stored outside in the yard ready for disposal.
- Wooden waste materials will be removed using the selector grab and placed outside of the building ready for disposal.
- Waste materials will be separated on site prior to disposal.
- The concrete floor must be left clean and tidy ready for asbestos removals.

Above ground demolition (Superstructure)

Prior to Commencement of Works

- A site survey will be carried out to check on access for machinery, ground conditions for siting of plant and suitability of material for crushing.
- Site induction meeting to cover all hazards and risks and method of work.
- All operatives to sign to say they have received the induction and read the method statement.
- Carry out all inspection, pre-start checks, ensuring that all guards and safety devices, eg emergency stops buttons are in place and operational. If a guard or safety device is

missing, defective or damaged, this defect should be reported immediately to site supervisor. The defective part must be repaired before the machine is operated.

- All loose waste materials to be removed from the buildings.
- Small machine to operate inside of the building to remove and separate any partition walls.
- Position dust boss in suitable area to suppress any asbestos dust particles.
- 20t excavator or high reach with shear attachment to start on the south side elevation of the first bay, cutting A frame and lowering down to the ground level.
- Outer wall to be demolished to allow excavator to track around the front to get square on.
- Once all the first roof bay has been cut to the floor, the excavator will continue to proceed to cut down the second bay
- frameworks will be segregated into a separate scrap pile ready to be loaded into the bulker.
- Once all buildings are demolished to ground level then the slabs and hard standings can be removed and stockpiled ready to be crushed.

Hold Point - All live foul drains and surface water drains are to be inspected prior to demolition commencing. Surface water drainage will have bungs installed to prevent drains becoming blocked by demolition debris.

NB There is a live combined drain as shown on the image below in dotted blue line this will need to be surveyed prior to demolition works being carried out in this area to establish depth

Site manager to confirm this has been carried out

Site manager signature Dated

Demolition Of Structure.

Hold Point – Due to recently discovered nesting birds, some of the front elevation will be left in situ until instructed to continue by the ecologists.

The structure to be demolished a metal clad steel framed structure on a concrete slab. The waste will be cleared from the inside of the structure and be placed to one side. An excavator fitted with a metal cutting shear will be used to cut the structure down to slab level. The excavator will start at one end and work their way along the length of the structure stockpiling the metal as it works. Once the structure has been removed to slab level the excavator will have a hydraulic breaker fitted to it to break up the concrete slab and foundation. These will either be stockpiled on site or loaded onto an ADT to be moved to the access by the road ready to be loaded away from site on lorries. The area will be local levelled and tracked in.

Below ground demolition (Substructure)

Controls Considered Necessary.

Work shall be supervised and carried out by competent people, who will be given clear instruction and information.

Prior to commencement of excavation, all public and local utilities will be requested to provide information of services in the ground of the proposed work area, consult the safety file if applicable. A 'Permit to Dig' system shall be in position to control works.

Operatives should look for obvious signs of underground services, e.g., valve covers or patching of the road surface. Use locators to trace any services. Mark the ground accordingly. Make sure that the person supervising excavation work has service plans and knows how to use them. Everyone carrying out the work should know about safe digging practices and emergency procedures. After use of locators, trial holes should be carefully dug, using hand tools, to confirm the position of buried services.

The use of hand-held power tools and mechanical excavators too close to underground services shall be barred. Where practicable, such tools should not be used within 500 mm of the indicated line of a cable buried in or below a paved surface.

Slabs and Foundations

The slab will require perforating with a hydraulic hammer and this operation will be kept to a minimum to ensure noise reduction and vibration is mitigated to the lowest possible level.

Slabs will be pulled up and broken down to bucket/crusher receive size and transported by articulated dumper to stockpile ready for removal from site.

Foundations will be excavated as works progress, foundations may require split trenches being excavated alongside the foundation to loosen and fold in once the required amount of hydraulic breaking has been carried out.

As required foundations again will be processed making ready for the crusher to receive. Any voids will be backfilled to remove open excavations and risk of collapse or falling into.

Excavations if left open will be demarcated of temporally utilising chapter 8 fencing and or crowd barriers until backfilling can commence.

- Slabs will be pulled up and broken down to bucket/crusher receive size and transported to stockpile making ready for crushing.
- The slab will be removed with excavators using bucket attachments to prevent any vibration.
- Foundations will be excavated as works progress, foundations may require split trenches being excavated alongside the foundation to loosen and fold in once the required amount of hydraulic breaking has been carried out.
- Foundations will be broken down into suitable sizes to make ready for processing to crushed hardcore.
- Any voids will be backfilled to remove open excavations and risk of collapse or falling into.

- Excavations if left open will be demarcated of temporally utilising chapter 8 fencing and or crowd barriers until backfilling can commence.

Personal Safety

- Follow all safety instructions.

Site Specific Requirement

A designated operative is to carry out the wheel washing of construction vehicles leaving the site (via a hand-held jet wash) to ensure that no mud is to be carried onto the public highway. The effectiveness of the wheel wash facilities will be monitored throughout the construction of the development.

This operation will be carried out within the development boundary, so that resulting water run-off is suitably controlled.

The wheel wash facilities will be repositioned accordingly as the construction of development progresses.

Labour & Plant

- 1 x 20-ton Excavator with attachments
- 1 No. Site Supervisor
- 1 x demolition drivers
- Up to 1 No. Demolition operatives

Plant

Bath Demolition Ltd will only allow competent and fully trained employees to drive or operate mechanically propelled vehicles or other heavy equipment and necessary supervision will be given as to their operation and/or travel.

Hot Works

- N/A

Minor Amendments to Method Statement

I have agreed to the above amendments.

Site Manager Signature:

Date:

Printed Name: