

M & J T DAVIES

HEALTH AND SAFETY RISK ASSESSMENT & METHOD STATEMENT

For the
Demolition of the existing public house with all enabling
works

At
The Moreton Public House Ruabon Rd, Johnstown, Ruabon,
Wrexham LL14 6PU

Date of Issue	Comments	Ref No.	Authorised by	Revision
28.02.2022	-	RAMS/001	T Williams	00
Position: H&S Advisor				
Name: Tony Williams				
Signature:				

M&JT Davies

Risk Assessment and Method Statement

Persons at Risk	Probability		Severity	5	4	3	2	1	8-25 Further controls required
				L	Pr	Po	R	I	
P – Public	Likely (L) 5		5	F	25	20	15	10	5
E – Employee	Probable (Pr) 4		4	Ma	20	16	12	8	4
C – Contractor	Possible (Po) 3		3	>3	15	12	9	6	3
V – Visitor	Remote (R) 2		2	Mi	10	8	6	4	2
	Improbable (I) 1		1	No	5	4	3	2	1

Control Measures to Reduce Risks

6.0 Tools/Equipment/Labour Resources Required:

Manager/ Machine Operator – Mike Davies

Demolition Operatives - up to 5 (Number subject to change & dependent upon work requirements)

Machine- Komatsu 360 track with attachments

Mobile elevated work platform or telehandler with man basket attachment

Skip Wagons

7.0 PPE Requirements:

☐ As per site rules (Mandatory)

1. Safety boots/ Wellingtons with steel mid-sole, to [BS EN ISO 20345:2004](#)

2. Safety helmet, to [BS EN 397:2012+A1:2012](#)

3. Gloves, to EN 374 (CE)

4. High visibility waistcoat, to [BS EN ISO 20471:2013](#)

5. Eye protection, to EN 166 349 B (CE), as appropriate;

6. Ear defenders, to EN 352-3:2002, as appropriate;

7. FFP3 Disposable Respirators

8. Body Harness with lanyard

(additional PPE requirements may be determined by the risk assessment)

8.0 Pre work information, site set up & access

1. The client to ensure that any party wall agreements are in place
2. All pre demolition works under the guidance of the Ecologist
3. All ecology protective measures in place.
4. All asbestos containing materials to be identified and removed by A&D Environmental prior to works commencing
5. Client to ensure that the Section 80 of the Building Act 1984 has been complied with before any works is undertaken and that a Section 81 Permit has been issued by the Local Authority, a copy of the same will be issued prior to any work being undertaken.
6. All utility providers to be informed of the demolition works and suitable location plans are to be made available to M&JT Davies.
7. All utilities affected to be protected by the placing of steel plates.
8. No demolition work will be undertaken unless documented proof of isolation by the Utilities Providers has been produced by the client.
9. If so required will amend the methodology of demolition after consultation with relevant parties such as engineers and surveyors.
10. All project vehicles and machinery will remain within the site boundaries as demarcated by the clients robust heras fencing. No vehicles shall be parked on public highway which inconvenience neighbouring properties - parking shall be made available within the footprint of the site.
11. All access points onto site will remain protected with use of fencing, barriers and gating, ensuring they are robust and that gates are lockable for after hours to prevent unauthorized access, perimeter of the site will be protected with use of protective screening and debris netting to prevent debris exiting the site boundaries – all fencing and debris netting will be monitored throughout the demolition phase. There is a small water course located at the rear of the site – this shall remain protected to prevent contamination with debris netting.
12. Access and deliveries to site will be undertaken at quiet times. The client will inform all local residents of the planned delivery of the machine and auxiliary equipment. When the delivery takes place marshals' will be appointed to supervise the movement of the vehicles/plant to the site. The same system and procedure will take place once the project has been completed.
13. Prior to the delivery of the heavy plant and ancillary equipment to site, the protection of the existing public footpath areas and roadside kerbs and Utility Service Ducts will be by steel sheets and hardwood timbers.

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Risk Assessment and Method Statement

14. Hazard warning notices will be posted around working areas to forewarn all persons of the works being undertaken. The site will be made secure during the working day preventing unauthorised access to the demolition zone. The fencing shall be subject to a Daily Inspection undertaken by the appointed site manager/supervisor.
15. Suitable Warning Notices posted at either end of the working areas to ensure motorists and the general public are aware of the work taking place.
16. The location of all underground utilities will be identified by the client and all isolations have been undertaken, reference relevant utility disconnection drawings and confirmations. Ref: HSG 47 avoiding danger from underground services & Dial before you Dig Guidance provided by the utility providers. If so required due to the close proximity to u/g services no mechanical excavating will take place and the removal of bases, slabs and soils will be by hand means. Additional CAT Scans will be undertaken to reduce the risk of an underground service strike. Any identified services shall be marked and highlighted.
17. All company vehicles and deliveries will enter and leave site from the designated entrance with use of a banksman. All vehicles will access the public highway in compliance with statutory legislation and current local road traffic management. All waste removal vehicles will be sheeted.
18. To reduce the risk of mud on the public footpath and highways- a wheel wash facility will be in place at the site entrance.
19. All company site operatives, visitors and representatives will sign in and out of site daily as per site security requirements and new operatives will be subject to inductions.
20. M&JT Davies will provide suitable compound facilities on site which will include welfare facilities in compliance with the requirements of CDM Regulations 2015 and its L153 guidance document and in compliance with current Covid legislation and guidance. The facility will be located within the boundaries of the demarcated site, these will include lay down area(s) within the segregated site.
21. Welfare will be kept clean at all times and any employee found abusing the facilities provided will be subject to site disciplinary rules and company rules.
22. The general working areas will be maintained and kept free from accumulated waste.
23. **All employees and contractors will undertake the Site Safety and Covid Induction prior to working on site.**

9.0 Access Equipment To Be Used

1. Heavy Duty Industrial Rated Step Ladders for soft strip purposes.
2. Portable access scaffold

10. Details Work Sequence

All demolition work will be undertaken in compliance with BS 6187:2011 Code of Practice for Full and Partial Demolition

1. Client to confirm that the all-ecology conditions have been complied with
 2. Client to confirm that a Party Wall agreement is in place
 3. Client to confirm that a Section 80 application has been submitted
 4. All Asbestos Containing Materials will be identified and removed by A&D Environmental
 5. In the event of any suspicious materials being encountered all work shall stop and the client shall be notified - the suspicious material is analysed at an accredited laboratory.
- At all times Mike Davies or his appointed substitute will be on site at all times when all demolition works are taking place.
- All employees are trained and industry competent.
- All employees and contractors site inducted.
- All work will be in compliance with current demolition industry standards and best available techniques.
- Photographic evidence of pre, during and post demolition works will be provided by M&JT Davies.
- Mike Davies or his appointed substitute will undertake Daily Site Inspections and complete the relevant site inspection form.
- All site security fencing will be subject to a daily inspection and its integrity shall be secured at all times.

Greater Crested Newts and Bats All works under the supervision of the ecologist.

6. Removal of roof tiles - The operating area will be demarcated and the terrain suitable for the operation of the machine. Using the Telehandler with man basket attachment, the operator and the Ecologist will wear their body harnesses and be clipped onto the anchor points. Due to the close working distance both shall wear face coverings
7. The operator will position the man basket, the demolition operative will remove the ridge tiles from the basket and let them slide into the safe area all work under the supervision of the ecologist. Once the tiles have been removed the operator will lower them to the ground.
8. On receiving confirmation from the ecologist, demolition work will commence.

Soft Strip of all internal areas.

9. The 110v generator / C/Air compressor will be positioned to ensure that exhaust emissions so far as reasonably practicably do not enter the working zone.
10. All operatives will wear their personal; protective equipment including FFP3 Disposable face masks to avoid dust inhalation.
11. Where required, areas of biological contamination, animal faeces and bird faeces will be subject to disinfectant, wetting and clean up prior to soft strip. All such waste will be hand shovelled into bags for appropriate disposal.
12. 110 volt temporary lighting will be provided within all internal areas where there is poor natural light.
13. All areas will be inspected for evidence SHARPS; all items will be removed by litter pickers and placed within the SHARPS Box for later disposal.
14. All soft strip works will be undertaken using powered and traditional hand tools. As much material will be removed from the building as reasonably practicable. Materials that are to be removed by the internal soft strip include doors, door frames, fixed and non-fixed furniture, carpets and floor coverings.
15. No structural parts of the property shall be tampered with – only fixtures and fittings.
16. The soft strip out will be carefully planned to work out of the building progressively – all non-structural items will be removed from the building starting with the soft furnishings, fittings and finishing with doors, architraves and finally floors. Operatives will strip out all doors, frames, timber of any description, (not appertaining to roof or main structure) toilets, pipe work, ducting, electrical items and any debris.
17. Any items too large will be broken down into manageable loads. Where dust is envisaged, suitable wetting down techniques will be adopted as well as ensuring natural ventilation. FFP3 masks to be worn for comfort purposes.
18. All areas will be cleared of loose debris and waste materials (soft furnishings etc.), hand tools and wheel barrows will be used to remove the items into the identified waste skips. Any unknown hazardous substances (chemicals etc.) will only be handled after a COSHH assessment has been undertaken.
19. All fixed redundant utility, lighting, heating items, doors, frames, skirting's etc. will be removed by hand tools after receiving confirmation of isolations and transported to the identified waste skip. In the event that portable power tools are used, all operatives will be trained and follow the manufacturer's operating instructions and company risk assessments When undertaking continual use of powered tools the employees and contractors will rotate the work to reduce the effects from occupational hazards (Noise, Vibration, Dusts etc.)
20. 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.
21. All internal work at height will be undertaken from step ladders and only used for short duration and using the industrial rated step ladders – ladders will be used by trained persons following the manufacturer's operational instructions.
22. 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.
23. All waste materials unsuitable for recycling will be transported from the site where it will be taken to landfill facilities.

Protection of Adjacent Properties and Public Footpath

All means available will be taken to prevent contamination entering public areas which envelope the site. Suitable means of protection will be installed to prevent debris blowing through fence panels where an issue is envisaged – this will be means of debris netting and screening. Suitable wetting down techniques will be adopted to prevent airborne dusts exiting site – water supply to be provided by client.

All refuelling of plant will be robustly supervised and a designated area away from areas where it may enter drains, drip trays and spill kits will be available. Hoses and valves will be checked regularly.

Methodology of Demolition

Phase 1- Demolition of structure and all enabling works

1. Demolition works will be conducted by mechanical means where ever reasonably practicable, ensuring no persons encroach the demolition zone. All operatives will receive a briefing of safety zones and restricted areas during demolition. All removal works will be carried out in accordance with current legislation and HSE guidance. Where persons are instructed to hand pick debris – machine shall be switched off and partially demolished structures shall not be encroached unless made safe with no risk of collapse or falling materials. Safety gloves, goggles, hi-vis, steel-toe capped boots to be worn as well as hard hat when entering the demolition zone.
2. The buildings will be inspected to ensure all persons are vacated and well clear.
3. Heras fencing to be checked for means of protection from public areas, M Davies will ensure that the weather conditions are suitable to commence demolition works, in the event of high winds work will be suspended until conditions improve.
4. All sprays will be activated and additional water sprays will be directed onto the structures. The buildings will be demolished by mechanical means using the 360-track demolition excavator with grapple attachment.
5. The buildings will be removed in reverse of construction with the roofs being removed and then the buildings being pulled into its footprint. Once the buildings have been removed the remaining slabs and footings will be grubbed up.
6. All waste will be placed into the designated skips and segregation area for recycling and removal.
7. Note - Skips shall be left in positions reachable for the machine and its attachments to prevent traveling through site with heavy materials.
8. At all times Marshalls will be positioned areas remain segregated.
9. All waste will be segregated ready for recycling.

General removal of waste materials

10. Water sprays will be on at all times whilst the recycling operation is undertaken.
11. All waste will be recycled to ensure compliance with the aggregates protocol, the recycled materials (Stone and cementitious aggregates will be recycled at a Licensed facility for future use. All timber will be recycled for future use.
12. All loads will be covered before leaving site all vehicle wheels will be washed by the driver.
13. Duty of Care and Waste Consignment Notes will be kept within the Demolition Phase Plan. The site as of yet has not been registered as a waste producer with the Environment Agency and the site reference number will have to be included on all waste transfer documents.
14. Marshalls will be appointed to Marshall Vehicles to and from the site onto the public highway.

General Rules.

15. Only those persons required (marshals/pointers) will be within the demolition zone. An inspection of the structure will take place to ensure no persons are within the zone before commencing work. Large parts of the demolition of the structure will be by Mechanical Demolition Technique, using a Komatsu 360^o excavators with extension beams, grapple and munches attachment. Demolition works will be carried out in compliance with current industry legislation, approved code of practices and best operating standards.
16. Mains Water and mobile Bowser will be available to keep nuisance dusts to a minimum. Sprays will be used at all times. Local dust suppression will be by the use of hose pipe.
17. In the event of inclement weather/ high winds all demolition work will be suspended, until conditions improve.
18. At the end of the working day the structure will be left in a stable condition, if so required additional removal works will be undertaken to prevent an unintentional collapse.
19. Communication between the machine man and marshals' will be by two radios.
20. All operatives to ensure high standards of personal hygiene at all times, they should wash before and after welfare breaks.
21. At all times the operatives will wear full PPE and RPE (FFP3 Disposable Face Masks), job rotation will be used to reduce the effects of vibration and noise.
22. All pedestrian and public route areas will be protected from the risk of falling materials and contact with the public.
23. All M&JT Davies operatives, contractors and visitors will wear safety footwear, hard hats, reflective clothing, hearing protection, respiratory protection and eye protection as a minimum.
24. At the end of the working day Mike Davies or his appointed substitute will undertake an inspection of the working areas and record the findings within the relevant inspection form held within the site health and safety file.
25. Mike Davies will ensure that the site, all plant and equipment are secured at the end of the working day.
26. The site will be left clean, tidy and safe as per the client's requirements.
27. On the completion of the project the site will be handed back to the client as per the clients conditions of contract.

11.0 Plant and Equipment to be Used Mechanical and Electrical.

- Telehandler with man basket
- Komatsu 360 Excavator with attachments
- Hand Tools
- Waste Skips
- 110v /Comp Air/110v Powered Hand Tools
- Class 1 Ladders

12.0 Materials Handling and Storage

Reference is to be made to the COSHH and MSDS sheets for spillage recovery procedures.

Use of Heavy Plant on Site

1. Before the commencement of work on site, the site ground conditions will be subject to a survey carried out by the company appointed supervisor.
2. All plant will be subject to compliance with the Provision and Use of Work Equipment Regulations 1998 as amended, maintenance records will be recorded and available for inspection at all times.
3. Before commencing work, all operators will undertake an inspection of the plant to be operated and record their findings in the Daily Plant Record Book.
4. All operators will have passed a recognised industry competence test; they should at all times have their licenses of operation upon their person.
5. No person under the age of 18 is allowed to operate any mobile plant on site.

6. Passengers must not be carried at any times. 7. All plant must be operated in accordance with the manufacturers operating guidelines. 8. All plant must be operated in compliance with local site rules (Speed, Routes, etc.) 9. Excavators and other heavy items of plant will be fitted with windscreen cage for the protection of the driver of any fall of materials. 10. A marshal is to be used where driver's vision is impaired or the plant is operating in congested areas. 11. Plant must not be driven at excessive speeds (5 mph max) and only in accordance with workplace conditions. At blind corners, signs and audio-visual warnings will be used. Extra care must be taken when working on slopes, especially when crossing the gradient. 12. All items of plant and vehicles are not to be left unattended, with the engine running, keys in the ignition or with booms raised. 13. Key holders must be assigned and keys removed and locked away at the end of each working shift. 14. All items of lifting equipment will be subject to compliance with the Lifting Equipment Lifting Operation Regulations 1998. All items will be inspected, and the findings recorded	13.0 Power Sources and Isolations required include details of any Permit to Works (Hot work, Electric Isolations etc.) Gas, Water, Electricity, Sewerage Systems and Telecommunications. All isolations will have been carried out by the client prior to commencing demolition work. Certificates of isolation must be provided by the client before any work commences and remain on site for inspection and reference purposes. The client will ensure that location plans of all Overhead/Underground Utilities are issued prior to the works commencing.
14.0 Training Requirements ☐ Plant and Excavators operators' cards (500 track excavator and telehandler) ☐ Asbestos Awareness ☐ Working at Height and ladder use ☐ Emergency First Aid ☐ Face Fits for FFP2/3 Respiratory Protection ☐ CSCS	15.0 Hazardous Substances 1. Reference the Demolition and Refurbishment Asbestos Survey for the property. 2. Reference should be made to the COSHH Assessment manual based on site.
16.0 Supervision and Coordination of Activities 1. Mike Davies or his appointed substitute will manage the site activities on a daily basis and his responsibility is to control the working area and interface the company's activities with other trades and contractors. 2. Each morning prior to commencement of work he will give all operatives a daily briefing of the programme of works and any safety implications. These will be recorded and issued to the site management for their records. 3. Site emergency procedures must be strictly adhered to and all site rules will apply. 4. He will coordinate the weekly safety coordination meetings and will liaise with the Client and all other contractors to ensure all work can be carried out in a safe manner. 5. He will highlight any unsafe conditions or actions and will inform the Clients management team. 6. All operatives will ensure high standards of personal hygiene at all times, they shall use the available welfare facilities and wash regularly before and after welfare breaks. 7. All Accidents/ Incidents will be reported to Mike Davies and recorded within the project accident record book. All such accidents and incidents will be investigated by the company H&S Advisor in cooperation with the clients' H&S Advisor and management team. Offsite point of contact is Mr Tony Williams (Safety Advisor) who will be in direct contact with the Mike Davies at regular intervals during the project	17.0 Environmental Considerations Mike Davies will undertake dynamic risk assessments when the weather conditions increase the risk of debris being blown. If the weather conditions pose a risk to persons or the structures, all work will be suspended. At all times all work will be in compliance with the ecologists requirements, bat license, current statutory duties and industry best available techniques. Good standards of housekeeping and workmanship at all times. M&JT Davies will execute the works sympathetically to the surrounding environment & neighbouring properties. During the works a watching brief will be in place to ensure the controls in place to control dust migration are suitable. Mains Water and mobile Bowser will be available to keep nuisance dusts to a minimum. Sprays will be used at all times. Local dust suppression will be by the use of hose pipe.

As a precautionary measure works within sensitive areas will be carried out with additional care with Marshalls communicating to the machine operator using 2way radios when it is safe to start and stop.
 At all times Spill Kits will be available and all spillages will be dealt with immediately and follow the current PPG standards.
 Site environmental considerations issued by the council must be adhered to at all times.
 No Fires on site at any time.
 All waste vehicles leaving site will be covered and clean.
 Any excess mud or waste that is left on the public highway will be removed immediately.

18.0 Protection of the General Public

All site traffic must be kept to a minimum and local traffic within the perimeter of the site must be treated with care and road safety is paramount. Fencing must not be removed unless specific authority has been given by Mike Davies the Project Manager and must be replaced immediately after completion of the task required.

19.0 Waste Disposal Arrangements

All waste will be removed to a Licensed Waste Transfer Station.
 Waste Consignment notes will be held within company records and passed to the client.

20.0 Fire, Emergency, Emergency Rescue, Welfare and First Aid Procedures

The fire and emergency plan and procedures given at the site induction will be strictly adhered to, during the project and all site operatives will adhere to the information given. Klaxon Air Horn will be available at relevant points within the site to allow for the raising of the emergency alarm and suitable number and type of firefighting extinguishers for the provision for the fighting of small fires will be made available on site at specific locations all times.

1. Under no circumstances must any appliance or alarm for the use in the event of an emergency be tampered with and any abuse of such equipment will result in the offender being removed from site permanently.
2. When any alarm is sounded the operatives must observe the evacuation criteria and will down tools and make their way to the nearest assembly point for the site head count and will not return to the work area until the all clear has been given by the site management emergency coordinator.
3. No Smoking Policy on Site to be complied with at all times
4. Company Trained First Aiders and First Aid Kit will be available on site at all times.
5. Welfare facilities will be provided and will maintained and cleaned.
6. Fire hydrant is located 25m from site

21.0 Review of Method Statement

Mike Davies is responsible for the works and will ensure that the work area has been inspected and is free from risk of injury or that suitable and sufficient measures have been taken to comply with current health and safety legislation prior to any work being undertaken.

This method statement will only be amended by Mike Davies and authorised in agreement with the client, any such amendments will be recorded and further instruction given to each operative of the amendments.

Method Statements and all the above-mentioned assessments will be closely monitored for compliance and where a safer alternative to the system of work can be improved, the method statement will be amended accordingly and the agreed system adopted. The company will encourage any new initiatives to a safer system of work by consultation with the work force, and sub-contractors for continuous improvement.

22.0 Communication of Risk Assessment and Method Statement

1. All operatives will be instructed in the understanding of the risk assessment and method statement for their scope of works as part of the Tool box Talk procedures prior to commencing work.
2. They must ensure they fully understand the work involved, the hazards and the level of risk they may be exposed
3. Following instruction, they each must sign the register attached
4. Each operative must work to the method statement, any deviation must be authorised by Mike Davies.
5. Any operative not working to the specific method statement will be subject to disciplinary action.

Overall Residual Risk	Low	Medium	High	Name: Mike Davies	Date:
				Signature:	28.02.2022 Review Date:

[illegible]

Site Plan –Moreton Public House Proposed Site Plan during Demolition



M&JT Davies

Ariel view of demolition works area at The Moreton
Public House Ruabon Rd Johnstown