

# **S.R.S DEMOLITIONS & GROUNDWORKING CONTRACTORS LTD.**

## **Mechanical Demolition Method Statement** (SRSMS-TOP003)

**For**

**Astwood Properties  
26 Chestnut Road  
Astwood Bank  
Birmingham  
B96**

**At**

**Top of the Trent,  
Woodland Street  
Biddulph  
ST8 6LW**

**List of properties : Former Top of the Trent Public House.**

# **S.R.S DEMOLITIONS & GROUNDWORKING** **CONTRACTORS LTD.**

## **METHOD STATEMENT INTRODUCTION** **(SRSMS-TOP003)**

The purpose of this method statement is to provide detailed guidance for a safe method of working for our employees under our control.

Conditions may alter on site; consequently this method statement may require amendment during the course of the works to reflect the conditions at the time, The Site Supervisor is authorised to vary the method of working in consultation with others (Company H&S Advisor, Client, Client's H&S Advisor, Structural Engineer) and where appropriate amend this method statement. Any significant amendments made as a result of changes to the work method or of site layout will be amended by hand and will be initialled by the Site Supervisor.

Employees under our control are instructed to fully co-operate with the Site Supervisor and Health & Safety Advisor on all matters of health and safety.

All personnel involved in this operation will be briefed by the site manager or health and safety advisor on the content of this Method Statement and the Risk Assessments, and any other information deemed relevant before commencement of the work.

All work will be undertaken by qualified competent persons with experience of the type of work described within the Method Statement, and in all cases in full accordance with safety procedures specified in the companies health and safety policy.

Method Statement prepared by: Glenn Benzies (S.R.S H&S Advisor)  
Date 08/03/2017

### **Outline Scope of Works:**

The work involves the demolition of a two storey former public house, of brick construction with a pitched tiled roof and a single storey rear projection with a flat felted roof utilising a 360 tracked excavator with a hydraulic breaker, grapple attachment or bucket attachment fitted. The base concrete slab and footings will be removed.

### **Programme**

Commencement & completion -

Start date :- TBC

Duration of work :- 4 Days

### **Site personnel**

Safety advisor – Mr. G.Benzies

Supervisor – Mr. S.Simpson

Demolition operatives – x 2

Plant / crane operators – S.Simpson

Other personnel – 8 Wheel wagon drivers x 2

Clients Representatives –

### **Working hours**

Monday to Saturday 08.00 – 18.00

### **Legislation, codes of practice and standards of conformity**

BS6187	Code of Practice for Demolition
BS EN 397	Industrial Safety Helmets
BS EN 166	Personal Eye Protection
BS EN 169	Filters for welding and similar operations
BS1397	Industrial Safety Belts and Harnesses
BS 5228	Noise and Vibration control on construction and open sites
BS5973	Access and working scaffolds and special scaffold structures in steel
BSEN352-1	Hearing Protection. Safety requirements and testing. Ear muffs
BS EN 420	Protective gloves. General requirements

### **Health Safety & Welfare facilities**

A fully qualified first- aider will be on site at all times. First aid kit and eye wash station will be available on site.

The site office will provide hot and cold running water with hand washing facilities. Provision for heating food, an eating area and an area to dry clothes if necessary.

Toilet facilities will be available within the site welfare cabin. (serviced weekly)

### **Public & Employee Protection**

Area of works will be fenced off with Heras fencing double clipped at each joint, fixed from the inside to prevent tampering, apart from the designated access points, creating an exclusion zone. Access will be restricted to authorised personnel only. Signs will be erected on the fence panels to warn members of the public of the nature of the works being carried out. Where road or footpath closures are to be put in place suitable signage will be erected to advise and direct both vehicular and pedestrian traffic to safe routes in line with chapter 8 part 2. Banksman will guide vehicles during access /egress from the site especially if reversing manoeuvres are required. Suitable PPE will be worn by all operatives

### **Services**

All mains services (gas, electricity and water) should have been disconnected prior to works commencing (Disconnection notification documents provided by the Client). If any live services are discovered then work in that building will cease immediately and will not resume until disconnection has been confirmed by the relevant service provider. (Emergency contact numbers available in site office)

### **Site perimeter**

The site due for demolition will be fenced off with Heras fencing creating an exclusion zone with access restricted to authorised personnel only. Visual inspection of the site perimeter fencing will be carried out daily prior to commencing any works to ensure that site is safe. Where necessary footpath and road closures will be put in place as per the traffic management plan.

### **Workforce protection**

All operatives will receive an induction prior to commencing work.

Regular toolbox talks will be carried out to highlight and reinforce specific procedures and hazards. Only fully trained and experienced operatives will operate plant. Weekly Health & Safety audits will be carried out to identify any areas of concern. A qualified first aider will be available on site at all times. Near miss reporting is encouraged to reduce potential hazards. Wherever possible access and egress points for vehicles will be segregated from personnel routes. All operatives will wear suitable PPE (Hard hats, safety boots, hi-viz vests and safety goggles. Adequate supervision will be provided throughout the tile removal process.

### **Personal protective equipment**

All operatives will wear hard hats, safety boots, hi-viz jackets, gloves and safety goggles. Ear defenders, dust masks and full disposable overalls will be available if required. All trained operatives working at height will wear safety harnesses and lanyards at all times.

### **Hazardous materials**

Any materials deemed as hazardous will be removed by a specialist contractor. Asbestos containing materials will be removed by trained staff in accordance with documented procedure and placed in a lockable skip ready for controlled disposal.

Any sharps found on site must be reported to the site agent. Pick sticks are available in the site office for removing hypodermic needles; the retrieved sharps will be placed in suitable closed container ready for collection by the council. If large numbers of sharps are found on site the local council will be informed to arrange removal.

### **Accident procedure**

All accidents must be entered in the accident book and reported to the site agent for investigation.

The outcomes of any investigation will be communicated to the S.R.S Demolitions & Groundwork Site Manager and the Health & Safety Advisor so they can be recorded.

The accident book is located in the site office.

A map of the shortest route to the nearest accident and emergency hospital is displayed in the site office.

All near miss incidents should be recorded in the near miss book and reported to the site agent.

### **Dust & noise reduction strategy**

Water spray from the nearest fire hydrant may be used to damp down during the demolition process.

Fully maintained machinery will be used on site.

All machines will be switched off when not in use.

### **Works description**

The work involves the demolition of the former Top of the Trent public house using mechanical demolition techniques. All materials generated will be segregated before being placed in skips or loaded into 8 wheel tipper wagons for removal from site. The base slab and footings will be removed.

### **Activity with risk/hazardous potential**

Struck by vehicle	– risk assessment attached
Struck by falling object	– risk assessment attached
Dust	– risk assessment attached
Noise	– risk assessment attached
Slips, trips & falls	– risk assessment attached
Manual Handling	– risk assessment attached
Mud on road	– risk assessment attached
Uncontrolled collapse	– risk assessment attached
Access / egress	– risk assessment attached
Work Vehicles	– risk assessment attached
Services	– risk assessment attached

### **Resources**

Plant	Labour
360 excavator with attachments, Hand tools, Hook loader, 8 Wheel tipper wagons.	Site Supervisor + 2 operatives

### **Personnel Protection Equipment to be used**

High visibility clothing	✓	Ear protection		Gloves	✓
Safety boots	✓	Coveralls		Safety helmet	✓
Eye protection	✓	Dust masks	✓		

### **Existing construction**

The property is a two storey former public house constructed of brick and block. The ground floor is a concrete slab over a partial building cellar. The first floor flooring is of timber joist and floorboards design. The pitched roof is constructed with lath and felt mounted on wooden purlings, covered with standard clay pan roof tiles. There is a flat roof on the rear single storey projection which is covered with roofing felt.

## **Methodology**

1. A 2m high heras fence will be erected around the site wherever necessary to secure the site from unauthorised access
2. Footpath and road closures will be put in place as required. Suitable signage will be erected to inform both pedestrians and motorists of the closures. Heras fencing, road barriers and cones will be used to delineate the closure areas.
3. Suitable signs will be displayed around the site perimeter to warn persons of the works being carried out.
4. All persons (employees, contractors or visitors) will sign in and out of the site.
5. All operatives/visitors will have a full induction prior to commencing work or visiting the site.
6. All operatives will wear Personal Protective Equipment at all times on site (Safety hat, Safety boots, Gloves, Hi viz vests and eye protection, ear defenders /dust masks where necessary). Any contractor or visitor attending the site will also be expected to wear appropriate PPE. (N.B. it is mandatory for all operatives to wear safety goggles during demolition works.
7. All operatives will adhere to site rules and method statements at all times and be aware of specific risk assessments.
8. The buildings will be soft stripped before any mechanical demolition takes place. Doors, door frames, windows, window frames, plastics, metal and other items will be removed utilising hand tools. If sharps are found during the strip out the items will be picked up using hand tools and placed in suitable bins for disposal.
9. The main structure of the buildings will be demolished utilising the 360 tracked excavator with a grapple attachment fitted. The excavator, with a grapple attachment fitted will break into the top of the flat roofed rear projection, to allow access to the roof timbers. Working from the rear of the building the excavator with grapple attachment will lift off manageable sections of the flat roof structure and lower them to the floor in a designated area. All timber will be segregated from each section and placed in the designated skip. This process will be repeated until the flat roof structure has been removed.
10. Working from one gable end the excavator will break into the top of the gable wall to allow access to the pitched roof timbers. The excavator with grapple attachment fitted will break off small sections of the roof structure and lower them to the ground. All timber will be segregated from each section and placed in the designated skip. This process will be repeated until the pitched roof structure has been removed.
11. The excavator with grapple attachment will break off small sections of brickwork from the building and lower them into the footprint of the building.

12. Excavator driver to ensure that no sections of brickworks are undercut thus making them unstable.
13. All metal scrap will be loaded into the designated skip by the excavator for removal from site.
14. The waste brick and rubble will be drawn up into piles using a bucket attachment fitted to the excavator and placed in the designated lorries ready for removal from site.
15. The cellar walls, base slab and footings will be removed by the excavator with either a bucket or breaker attachment as is required.
16. On completion of the mechanical demolition and the loading of all waste materials generated the area will be swept to remove any fines remaining.
17. The excavation created by removing the cellar will be back filled in layers of 1.5m and compacted until ground level is reached.
18. All walkways will be kept clear of trip hazards, any debris spills will be cleared as soon as is reasonably practicable.
19. All roads exiting the site will be kept clean.

### **General Housekeeping**

All materials removed from the buildings will be placed in the appropriate skips.

Footpaths and roadways will be kept clear of obstructions and maintained in a tidy condition with regular sweeping. Removed materials will not be left in piles in the work area to create trip hazards.



# MECHANICAL DEMOLITION HAZARD IDENTIFICATION TABLE

## TOP OF THE TRENT PUBLIC HOUSE

Machinery Contact, Entanglement,	Tools Power, Hand	Manual Handling WRULD	Slips, Trips and Falls	Falls @ Height	Mud on Road	Noise	Objects Falling, Flying	Contact Heat, Cold, Striking	Air, High pressure	Sevices Gas, Electricity	Fire & Explosion	Chemical Corrosive, Toxic, Flammable, etc	Access Egress	Work Vehicles
a) <b>N/A</b>	b) <b>N/A</b>	c) <b>S</b>	d) <b>S</b>	e) <b>N/A</b>	f) <b>S</b>	g) <b>I</b>	h) <b>S</b>	i) <b>N/A</b>	j) <b>N/A</b>	k) <b>S</b>	l) <b>N/A</b>	m) <b>N/A</b>	n) <b>S</b>	o) <b>S</b>

Obstruction, projection	Dust	Confined Spaces	Struck by moving vehicles	Premature collapse of structure	Psittacosis	Leptospirosis
p) <b>N/A</b>	q) <b>S</b>	r) <b>N/A</b>	s) <b>S</b>	t) <b>S</b>	u) <b>N/A</b>	v) <b>N/A</b>

Complete the "Pre-Assessment" above by filling in the boxes: **S** for "Significant Risk", **I** for "Insignificant Risk" & **N/A** for "Not Applicable".

Risk assessment categories:									
Persons exposed (P):			Frequency (F):		Severity (S):		Risk Rating (R):		
A	Operator	H	Customers/visitors	10	Certain to happen	10	Multiple Deaths	100-48	PROHIBIT ACTIVITY IMMEDIATELY review activity.
B	Cleaners	I	Contractors	8	Very likely	8	Single Deaths	40	Risk not adequately controlled and additional control measures required to reduce risk.
C	Maintenance	J	Lone workers	6	Likely	6	Major injury, Disabling illness		
D	Young person	K	Disabled persons	5	May Happen	4	Lost time injury/illness	36-20	Activity requires further in-depth assessment to ascertain whether adequately controlled.
E	Trainees	L	Members of Public	2	Unlikely	2	Minor injury		
F	New/expectant mothers	M	Others (specify)	1	Very Unlikely	1	Trivial injury	16-8	Risk adequately controlled. Inform staff of risk.
G	Other employees							6-1	Risk deemed trivial. No requirement to inform staff of risk.

Rev 2 10.10.2016

## RISK ASSESSMENT FORM

(1) Ref	(2) Activity	(3) Hazard	(3a) Risk	(4) Persons Exposed	(5) Current Control Measures in place	(6) F (1 - 10)	(7) S (1 - 10)	(8) R (1 -100)  F x S = R	(9) Additional Control Measures in place	(10) F (1 - 10)	(11) S (1 - 10)	(12) R (1 -100)	
TASK ASSESSED: Demolition of Top of the Trent, public house.									REFERENCE NO. RA-TOP003				
Assessor(s): G.A.BENZIES					Date:08/03/2017		Location: London Road, Trent Vale						
001	Segregation of wood and metal from rubble	Manual Handling	Muscle strains or back strain due to twisting whilst handling load	A	Operatives given Manual handling training.	5	2	10	Non required				
002	Segregation of wood and metal from rubble	Slips, Trips and Falls	Operatives tripping over causing strains, sprains, cuts or lacerations	A	Good housekeeping in work areas.	5	4	20	Suitable safety footwear.	2	4	8	
003	Movement of lorries into and out of the site	Mud on roads	Operatives slipping on mud causing strains, sprains cuts or lacerations	A	Good housekeeping in work areas.	5	4	20	Any build-up of mud swept or washed away as soon as is reasonably practicable.	2	4	8	

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Assessment Approved by:	Position:	Signature:	Date:
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## RISK ASSESSMENT FORM

(1) Ref	(2) Activity	(3) Hazard	(3a) Risk	(4) Persons Exposed	(5) Current Control Measures in place	(6) F (1 - 10)	(7) S (1 - 10)	(8) R (1 -100)  F x S = R	(9) Additional Control Measures in place	(10) F (1 - 10)	(11) S (1 - 10)	(12) R (1 -100)	
TASK ASSESSED: Demolition of Top of the Trent, public house.									REFERENCE NO. RA- TOP003				
Assessor(s): G.A.BENZIES					Date: 28/02/2014		Location: London Road, Trent Vale						
004	Operation of mobile plant	Noise	Hearing loss or reduction.	A	Ear defenders available. Plant properly maintained. Mobile plant switched off when not in use.	1	4	4	Non required				
005	Mechanical demolition of the structure	Struck by falling objects	Operatives being struck by falling timber/ masonry	A,G,I	Operatives to remain well clear of building when actual demolition takes place.	5	8	40	Machine operator to ensure that no section of the structure is left in a position that it may fall when persons are nearby.	2	8	16	
006	Mechanical demolition of the structure	Live services	Electrocution or exposure to gases. (fire risk)	A,G	Pre demolition services disconnection documentation.	5	8	40	Induction highlighting procedure for live services discovery.	2	8	16	

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Assessment Approved by:	Position:	Signature:	Date:
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## RISK ASSESSMENT FORM

(1) Ref	(2) Activity	(3) Hazard	(3a) Risk	(4) Persons Exposed	(5) Current Control Measures in place	(6) F (1 - 10)	(7) S (1 - 10)	(8) R (1 -100)  F x S = R	(9) Additional Control Measures in place	(10) F (1 - 10)	(11) S (1 - 10)	(12) R (1 -100)	
TASK ASSESSED: Demolition of Top of the Trent, public house.									REFERENCE NO. RA- TOP003				
Assessor(s): G.A.BENZIES					Date: 28/02/2014		Location: London Road, Trent Vale						
007	Access to and from the site	Moving plant	Operatives being struck by plant	A,G	Trained plant operators. Segregated work area Hi-viz PPE	5	6	30	Banksman provided for plant operators.	2	6	12	
008	Mechanical demolition of the structure	Contact with moving load or machine arm	Operatives being struck by items being transported in machine bucket or by the machine arm itself	G,I	Operatives to remain well clear of machine when it is transporting loads. Machine operator to stop all functions when operatives approach. Operatives will not work under machine arm.	5	8	40	Banksman provided for plant operators.	2	8	16	
009	Mechanical demolition of the structure.	Dust	Dust inhaled or entering eyes	A,G	Safety goggles worn at all times. Dust masks available if required.	5	4	20	Damping down with water spray during demolition.	2	4	8	

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Assessment Approved by:	Position:	Signature:	Date:
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## RISK ASSESSMENT FORM

(1) Ref	(2) Activity	(3) Hazard	(3a) Risk	(4) Persons Exposed	(5) Current Control Measures in place	(6) F (1 - 10)	(7) S (1 - 10)	(8) R (1 -100)  F x S = R	(9) Additional Control Measures in place	(10) F (1 - 10)	(11) S (1 - 10)	(12) R (1 -100)	
TASK ASSESSED: Demolition of Top of the Trent, public house.									REFERENCE NO. RA- TOP003				
Assessor(s): G.A.BENZIES					Date: 28/02/2014		Location: London Road, Trent Vale						
010	Loading of rubble.	Contact with excavator whilst tracking or transporting loads	Operatives being struck by excavator whilst tracking or slewing	G,I	Operatives to remain well clear of excavator when it is slewing or tracking. Operatives not to work behind machine unless authorised to do so by machine driver. Machine driver to stop all functions when operatives approach	5	8	40	Banksmen guiding machine operator	2	8	16	
011	Mechanical demolition of the structure.	Premature collapse of roof structure	Structure collapsing onto banksman or machine operator	A,G	Demolition methodology Machine operator experienced in demolition works.	5	8	40	Two experienced banksmen available at all times during demolition.	2	8	16	
012													

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Assessment Approved by:	Position:	Signature:	Date:
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**S.R.S DEMOLITIONS & GROUNDWORKING  
CONTRACTORS LTD.**

## METHOD STATEMENT ACCEPTANCE SHEET

**All persons carrying out tasks specified in this method statement and risk assessment will sign this document to verify that they fully understand and agree with the procedure.**

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