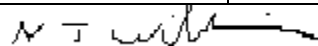


Safe Operating Procedure

Demolition		
Method statement Number	SOP GGL 01	Date
Revision Number	1	09/04/2025
Author	Nathan Williams	
Contact	Tel:- 07588414763	Email: - cdm@cdmconsult.co.uk

Project Details 1.0

1.1	Project name/Number	County Flats
1.2	Site Address	Garages to Rear of Coronation House/Cardigan House/ Carmarthen House & Moorland Rd Port Talbot SA12 6JJ
1.3	Principal Contractor	Tai Tarian
1.4	Subcontractor to whom Method Statement Applies	Grandy Groundworks
1.5	Programme Start Date	14/05/2025
1.6	Actual Anticipated Start Date	14/05/2025
1.7	Programmed Duration	3 months

Resources provided

		Name	Position
2.1	Supervision	Andrew Short	Site Manager
2.2	Contact details	07810 007547	
2.3	First Aider	Andrew Short	Site Manager
2.4	Labour/ Operatives		
2.5	Individual responsible for inspecting access arrangements	Andrew Short	Site manager

Safe Operating Procedure

	Description of Work 3.0
3.1	Operatives are to undergo the Grandy Groundworks site induction prior to start on site. Operatives are to obey site rules and wear PPE Stated at all times. Standard PPE will be Safety boots with mid sole and toe protection, Hi vis garment and hard hat. Additional PPE for the task will be highlighted within section 10.0 of this document
3.2	Operatives are to ensure that they have read and understood this method statement and risk assessment within this safe operating procedure and have signed section 14.0 to confirm their understanding
3.3	The site manager and the operative undertaking the works must ensure that any services are disconnected prior to works being undertaken. Certificates of isolation must be provided to prove this.
3.4	Heras fencing with debris netting shall be erected around the perimeter of the site, as far away from the building as possible to create a drop zone.
3.5	All work at height shall be undertaken off podium steps or towers erected by a competent person.
3.5	Prior to any works commencing with Grandy Groundworks , a competent contractor holding the relevant licenses shall strip any asbestos containing materials (ACM's) that are present and ensure it is all disposed of in line with the control of asbestos regulations 2012. RAMS for their works will be provided separately.
3.6	Fixtures and fittings removal The operative shall remove any internal fixtures and fittings starting with lower level items, removing them and then disposing them to allow for easier access higher levels items. Once removed, the operative can break down the items for easier disposal into the skip.
3.7	Mechanical demolition Once the asbestos strip has been completed and all waste disposed of completely, the trained and competent machine operative, using appropriately sized excavator with grab attachment shall proceed to demolish the structure.
3.8	Ensuring the structure is clear of all personnel (checks to be undertaken for rough sleepers etc as well) and making sure that the area around the structure is clear of any people for as far as can be achieved within the site boundary, the operative, starting at the front (door) elevation shall proceed to use the grab and break off sections of the structure, starting at roof level and pulling towards the excavator, ensuring none of the structure can fall inwards and risk contact with other walls of the building.
3.9	Once the rear elevation has been reduced, the operative shall then proceed to track the machine forward, using the grab/claw attachment to reach and cut away the roof

Safe Operating Procedure

	structure, moving forward through the building until all the roof structure has been removed. As it is taken down, it shall be positioned for disposal off site
3.10	Once all roof structure has been removed, the machine operative with the grab/claw attachment shall fold the side walls over inwards, removing all waste material as he progresses.
3.11	Lastly, the operative shall then pull the back wall down, folding it inwards
3.12	All waste material shall then be cleared away and disposed of off site
3.13	Slab break out
3.14	Once the structure has been demolished and the waste cleared, the operative using an excavator with breaker attachment shall proceed to break up the concrete floor slab into manageable size sections.
3.15	As it is broken out it shall then be removed for disposal off site.
3.16	This material can be stored safely for bulk collection
3.17	Once all materials have been cleared away, the area shall then be graded off using the excavator and grading bucket
3.18	Dust to air shall be controlled with a water suppression mist system applied to the building being demolished
	Location of Work 4.0
4.1 4.2	The areas as outlined in the diagram below 

Safe Operating Procedure

	Access Arrangements 5.0		
5.1 5.2	Access shall be made via the lanes/roads surrounding the garage compound area		
	Schedule of Plant & Equipment 6.0		
	Plant & Equipment	T&I Certification	Authorised User
6.1	Hand tools		
6.2	Excavator	Pre use checks, within LOLER 12 month thorough inspection	
6.3	Grab attachment	Pre use checks	
6.4	Breaker attachment	Pre use checks	
6.5			
6.6			

Risk Assessments 7.0

7.1	Risk Assessment Attached	YES
7.2	Are all Controls Covered	YES

COSHH Assessments 8.0

8.1	COSHH Assessments Attached	YES
8.2	Safety Data Sheets Attached	YES
8.3	Substance/Material	Ref
8.4	Mortar (dust)	GGL 01
8.5		

Environmental issues 9.0

9.1 9.2 9.3 9.4	All waste shall be disposed of appropriately in line with the SWMP All dust shall be dampened down with the use of water suppression applied
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Personal Protective Equipment 10.0

	Mandatory PPE	Y/N	Task Specific PPE	Y/N
10.1	Safety Helmet	Y	Goggles, EN166 B	Y
10.2	Hi Visibility Garment	Y	Dust mask EN149 FFP3 Face fitted	Y
10.3	Safety Footwear	Y	Gloves	Y
10.4			Ear defenders EN352-1	Y

Safe Operating Procedure

Training requirements 11.0

	Task	Training Requirements	Name	Certification
11.1	Excavator operation	Relevant CPCS or NPORS depending on size of machine	TBC	TBC
11.2				
11.3				

Temporary works/Permits 12.0

	Task	Is permit in place	How is control implemented
12.1	Isolation of services (if required)	Y	Permit of isolation to be issued by relevant utility operator
12.2			

Emergency Procedures 13.0

	Task / Operation	Emergency Procedure
13.1	General emergency	Ensure to understand and follow Grandy Groundworks emergency procedures at all times
13.2		

Risk Assessment

Date	09/04/2025	Assessor	Nathan Williams	Signature			
Principal Contractor	Tai Tarian	Contractor	Grandy Groundworks	Risk Assessment Number	RA-GGL-01	Revision Number	1
				Y	N	Comments	
Does the task require any permits, certificates, Isolation etc.?				Y			
Have these additional documents been put in place and signed?				Y			
Is there a task specific assessment required for the task?				Y			
Has this been completed?				Y			
Do all operative hold relevant CSCS Cards? Is Proof on site				Y			
Do operatives hold task specific qualifications required for the task?				Y			
Is all required PPE available and being used correctly?				Y			
Where appropriate, have all COSHH measures been put in place?				Y			

Risk Assessment

Hazard	Task	People at risk	Risk	Risk Level L x S			Preventative / Control Measures	Risk after controls		
				L	S	R		L	S	R
Working at height	Working off podiums (If required)	Operatives	Collapse of floor structure Falling from height	3	3	9	Podiums shall only be erected on firm level ground, internally Only competent people shall use podium steps Ensure all podiums are erected by trained operatives where necessary Ensure chain/arm is across when using podium steps Ensure the SWL is understood and not exceeded Do not step on handrails to gain extra height. Do not over reach when using working at height equipment, get down and reposition where necessary	1	3	3

Risk Assessment

Manual Handling	Lifting of equipment Lifting of materials.	Employees	Sprains, strains, cuts, abrasions, Musculoskeletal injuries	3	2	6	All equipment will be transported using appropriate equipment or correct manual handling techniques All staff to receive toolbox talks on manual handling regularly. As a first option materials will be moved using mechanical means (excavator) Operative shall not over stretch or over reach Do not lift above your head Assess the manual handling task using the TILE methodology Task, Individual, Load, Environment Only lift items within your capability	1	2	2
Use of plant on site	Excavator	Driver Operatives Other site members	Crush injuries Struck by moving plant Death Toppling of plant Striking of structures	4	4	16	All site plant shall be provided by Grandy Groundworks Only qualified competent operatives are to drive site vehicles/plant Operatives to ensure they understand and obey by site rules and safe routes for plant at all times. Operative to ensure that banks man is present at all times when moving on site, especially close to roads at front and rear of the site Banks man present at all times when machine is in operation to prevent people entering the demolition area	1	4	4

Risk Assessment

							Mechanical demolition areas to be fenced off from unauthorised access, set as far back from the building being demolished as possible Pre use checks must be undertaken on all plant and attachments prior to work commencing each day, any defects must be rectified prior to work commencing Equipment must be within service and LOLER requirements			
Live services	Working near to services within the building	Operatives	Explosion Fire Asphyxiation Burns Electrocution	3	4	12	All services must be disconnected prior to works being undertaken Certificate of isolation must be provided to the site manager and operatives prior to work commencing All services must be treated as live until proven to be dead	1	4	4
Hazardous substances	Mortar dust	Employees, Third party contractors	Occupational dermatitis and burns from direct contact Irritation to the eye Scratching of the eye surface	3	3	9	COSHH assessments undertaken and information on findings passed on to operatives. Operatives are to be made aware of hazards of the substances that they use through toolbox talks and during induction Operatives are to be told of emergency first aid measures should accident occur. Grandy Groundworks to provide eyewash stations at first aid locations to treat eye damage.	1	3	3

Risk Assessment

							All operatives to wear protective gloves and glasses as described in task specific method statements when handling hazardous materials. When using mechanical cutting equipment, the operative shall ensure that water suppression is used as well as a face fitted dust mask/respirator EN149 FFP3. Appropriate welfare facilities to be provided by Grandy Groundworks to include hot and cold running water, toilet facilities and canteen. When handling hazardous substances operatives must wear PPE as described in Task Specific MS. All waste shall be dampened down using water spray mist system Debris netting shall be erected around the perimeter of the site, particularly around the area of the demolition zones			
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Risk Assessment

Cutting operations	Cutting of materials	Operatives Third party	Eye loss Eye damage Hand arm Damage Hand arm vibration Noise Dust Entanglement	4	3	12	Operatives are to ensure that area is clear of other contractors when cutting is taking place. Correct PPE to be worn as described in method statement Glasses EN166 Class B As noise levels exceed 85dB (expected between 95 and 105dB Ear defenders EN352-1 must be worn Dust Mask EN149-FFP3, Face fit tested Operative is to ensure that cutting duties are rotated to prevent over exposure to vibration. Do not apply too much pressure to the blade, allow it to cut naturally. Ensure equipment is well maintained and pre use checks are carried out. Where mortar products are being cut, water shall be applied to prevent dust	1	3	3
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Risk Assessment

Use of hand tools	Breakers Cut off saw	Employees Operatives	Eye Injuries Injuries to hands Injuries to arms Eye loss HAVS Noise exposure Dust exposure	4	3	12	Tools issued must be suitable for the task Tools to be inspected before use by a qualified and competent person. Defective tools to be withdrawn form site and replaced by tool which is fit for purpose. Correct PPE to be worn as described in method statement EN166 Class B Glasses, EN 352-1 ear defenders must be worn as noise levels will exceed 85dB Where dust is foreseeable a dust mask EN149 FFP3 to be worn. All RPE must be face fit tested. Tool box talk to be delivered to all operatives in the safe use of mechanical hand tools Tools must be used and maintained in accordance with manufacturer's instructions. Operatives are to be qualified and competent in the use of all tools including their maintenance and safety checks. Where abrasive wheel machines are used, only trained operative shall change wheel/blade on the machine. All guards must be in place and intact to prevent contact and entanglement injuries	1	3	3
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Risk Assessment

							No machine shall be used without a guard Under no circumstances shall the operative remove a guard from a machine. The vibration magnitude and maximum trigger time shall be calculated for each tool used, this information shall be passed onto the operatives. Cut off saws 6.8 ms2 EAV 1 hour 5 minutes ELV 4 hours 20 minutes 92 HSE points per hour Where cut off saws are used, water suppression shall be applied to the cutting blade to minimise dust to air			
Members of the public	General site activities	Members of the public Rough sleepers Intruders Road users	Crush injuries Exposure to dust Death Contact with moving plant/vehicles	3	4	12	The whole site shall be Heras fenced off with debris netting and standard construction signage displayed all around the perimeter, set as far back from the Demolition in progress signs to be displayed around the site Heras fencing must have suitable feet and all panels double clipped All access gates shall be closed/locked when site is closed	1	4	4

Risk Assessment

							A sweep of the building shall take place each time before demolition starts or re starts Banksman shall be present during all demolition works to prevent any unauthorised access and ensure unauthorised personnel stay away from the site boundary close to the demolition works Banksman shall be provided to over see all movements of vehicles, skip lorries etc onto and off site due to the built up nature of the surroundings			
Slips trips falls	Site movement	Employees, Third party contractors, Sub-contractors Clients employees	Operatives may suffer sprains fractures as a result of poor housekeeping, slips at height may result in serious fall death	3	4	12	All operatives to wear suitable safety footwear and wearing to be enforced by foreman. All work areas to be cleared of debris on an ongoing, basis and waste to be removed to skips provided by Grandy Groundworks Safe routes of access to be established with Grandy Groundworks site manager. Operatives are to ensure that all tools and materials are cleared away /stored correctly during the working day and at the end of each shift. Clearly outlined access routes and storage areas to be agreed with Grandy Groundworks prior to start	1	4	4

Risk Assessment

Structural Collapse	Collapse of structure	Employees	Floor collapsing Crush injuries for operative below	2	4	12	The sequence of works must be followed at all times, if it needs to change, CDM Consult shall be consulted No works shall continue until the drawings have been communicated and observed on site Hard hats shall be worn at all times while on site. No operative shall work below an unsafe structure especially when works are taking place above. If the operative is unsure of the stability of the structure, works shall stop All loads shall be supported at all times If the operative believes the structure to be unsafe or notices any signs of cracks, movement they shall leave the area immediately and report to the site manager	1	4	4
Environmental hazards	Pollution to the environment	Local water courses Ground contamination Entry into drains sewers etc.	Pollution to the local water courses Dust pollution Noise pollution Contamination Wildlife Birds and bats	3	3	9	All mechanical plant shall be inspected and maintained regularly All plant items shall come with a drip tray to prevent accidental release into the water course or the ground All noise shall be kept to a minimum during processes	1	3	3

Risk Assessment

			Tree protection				Spill kits shall be available at works location to control and clean up any accidental spillages. Dust suppression shall be used at all times when cutting into concrete mortar and during the demolition process . Operatives to wear correct PPE to prevent exposure to noise and air born dust particles. Dust mask EN149 FFP3 All waste shall be well maintained in accordance with project waste management plan Where possible Grandy Groundworks shall look to recycle waste products. Vehicles shall be washed down prior to leaving site to prevent mud/debris being discharged onto the road Debris, silt etc shall be prevented from entering drains using hessian sacks. Manufactured gulley protection systems etc			
Asbestos	Demolition of building	Site Operatives	Exposure to asbestos Respiratory conditions	2	3	6	An R&D Survey has been undertaken and is provided as an additional document to these RAMS All asbestos containing materials shall be stripped by a competent contractor holding the relevant licenses prior to	1	3	3



Risk Assessment

							demolition works being undertaken by Grandy Groundworks If, during demolition ACM's are suspected, works shall stop, the area cleared of personnel and the material shall be investigated			
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Likely Hood / Severity	Very Minor Injury (1)	Minor Injury (2)	Major Injury (3)	Death (4)
Very Unlikely (1)	1	2	3	4
Unlikely (2)	2	4	6	8
Likely (3)	3	6	9	12
Very Likely (4)	4	8	12	16



Communication – Workforce briefing 14.0

This Method Statement along with all relevant Risk Assessments, COSHH Assessments etc. must be communicated to ALL operatives involved with the task or operation prior to the commencement of the work.

All recipients must complete the form below in full to identify that they have both RECEIVED and UNDERSTOOD the method statement.

If there's a requirement for changes to be made to any documents or its contents then the site supervisor shall contact CDM Consult who will then re-issue the documents with the necessary amendments made. Under no circumstances shall this be carried out by site personnel.

Contact Nathan Williams 07588 414763

[illegible]

Safe operating procedure Communicated by: -		
Name	Position	Date