Laying of Pipes and Cul	verts SAFE WORK METH	OD STATEMENT (SWMS)	
TASK O	R ACTIVITY: Laying of Pipes and	Culverts	
Business Name:		ABN:	SWMS#
Business Address:			
Contact Person:	Phone:	E Jil:	
THIS SAFE WORK METHOD	STATEMENT IS APPRO		
Under the Work Health and Safety Regulation (WHS Regulation), a person conduct the proposed work starts.	sting a business or under the (PC - I) is	required to entry a that a safe work method s	tatement (SWMS) is prepared before
Full Name:			
Signature:	NK	Title:	Date:
Details of the person(s) responsible for ensuring implementation, monitoring	opliance the VMS a well as review	s and modifications of the SWMS.	
Full Name:		Title:	Phone:
ALL PERSONNEL PARTICIPATING IN ANY ACTIVITY ON THIS MAN PARTICIPATING IN ANY ACTIVITY ON THIS MAN PARTICIPATING IN ANY ACTIVITY ON THIS AND A PARTICIPATING IN A PARTICIPATING INA PARTICIPATING IN A PARTICIPATING IN A PARTICIPATING I	NAL 2 OF ALL RELEVANT PERSONNE EVELOPMENT AND APPROVAL OF	EL WHO HAVE BEEN CONSULTED AND CO THIS SWMS	DMMUNICATED TO IN THE
Safety meetings or toolbox talks will be sched red in according with regislative requirements to first identify any site hazards, so the company hicas those hazards and then to further take steps to either eliminate or contact each hazard.			
If an incident or a near miss occurs, all work must stop an ately. Depending on the severity of the incident, a meeting will be called with all workers to amend the SWMS if required. The meeting may also be an educational opportunity.			
Any changes made to the SWMS after an incident or a near miss must be approved by the Person Conducting Business or Undertaking and communicated to all relevant personnel.			
The SWMS must be kept and be available for inspection at least until the work is completed. Where a SWMS is revised, all versions should be kept. If a notifiable incident occurs in relation to which the SWMS relates, then the SWMS must be kept for at least two years from the occurrence of the notifiable incident.			



CLIENT OR PRINCIPAL CONTRACTOR DETAILS							
Client:	SCOPE OF WORKS						
Project Name:							
Project Address:							
Project Manager:							
Contact Phone:							
Date SWMS supplied to Project Manager:							
ANY HIGH-RISK CONSTRUC							
☐ involves a risk of a person falling more than 2 meters	I is carried out on or near pressurised gas mains or piping						
□ is carried out on a telecommunication tower	carried out on or near chemical, fuel or refrigerant lines						
☐ involves demolition of an element of a structure that is load-bearing	□ is carried out on or near energised electrical installations or services						
□ involves demolition of an element related to the physical integ. Y of a sucture	\square is carried out in an area that may have a contaminated or flammable atmosphere						
□ involves, or is likely to involve, disturbing asb	☐ involves tilt-up or precast concrete						
involves structural alteration or repair that quires terrar by supart to prevent collapse	☐ is carried out on, in or adjacent to a road, railway, shipping lane or other traffic corridor						
□ is carried out in or near a confined space	\Box is carried out in an area of a workplace where there is any movement of powered mobile plant						
is carried out in/near a shaft or trench deeper that tunnel involving use of explosives	☐ is carried out in areas with artificial extremes of temperature.						
☐ is carried out in or near water or other liquid that involves a risk of drowning.	☐ involves diving work.						
ANY HIGH-RISK MACHINER	RY OR EQUIPMENT NEARBY						



	RISK MATRIX									
LIKELIHOOD	INSIGNIFICANT	MINOR	MODERATE	MAJOR	CATASTROPHIC	SCORE			HEIRARCHY OF CONTROLS	
ALMOST CERTAIN	3 HIGH	3 HIGH	4 ACUTE	4 ACUTE	4 ACUTE	SCORE	ACTION		Elimination Remove the hazard.	
LIKELY	2 MODERATE	3 HIGH	3 HIGH	4 ACUTE	4 ACUTE	4A ACUTE	DO NOT PROCE		Substitution	
POSSIBLE	1 LOW	2 MODERATE	3 HIGH	4 ACUTE	4 ACUTE	3H HIGH	Review befor work starts.		Replace the hazard.	
UNLIKELY	1 LOW	1 LOW	2 MODERATE	3 HIGH	4 ACUTE	2M MODERATE	Ensure control measures in place.		Isolate People from the hazard	
RARE	1 LOW	1 LOW	2 MODERATE	3 HIGH	3 HIGH	1L LOW	nitor and k⊾ records		Engineering Isolate the hazard.	

	PERS_VAL N_TECTIVE EQUIPMENT (PPE)										
	Select the appropriate PPL above suitably for the equipment used or the job task being performed (if applicable).										
FOOT PROTECTION	HAND PROTECTION	HEAD PROTECTION		P ECTION	R⊾ ⇒PIRATORY PROTECTION	FACE PROTECTION	HIGH-VIS CLOTHING	PROTECTIVE CLOTHING	FALL PROTECTION	SUN PROTECTION	HAIR/JEWELLERY SECURED
Other PPE Required:											
	Permit or Licenses Requirements Mandatory Qualifications and Training										



JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
1. Preparation	Slips, trips and falls, Inadequate PPE	ЗН	 Conduct a thorough risk assessment before rariing the job to identify potential hazards and implement necessary controls. Ensure that all workers are adequately traine and competent in their tasks, including handling relevant machinery and procedures. Implement a site-specific inclusion for all personne involuer in the project to address site conditions and any unique risks. Clearly mark useful kee work as the science, or while and free of obstructions to minimise the risk of slips, trips, as calls. Regularly mark useful kee work as the science, or while a personal protective equipment (PPE) such as steel-toed boots while weak appropriate personal protective equipment (PPE) such as steel-toed boots while weak appropriate personal protective equipment (PPE) such as steel-toed boots while weak appropriate personal protective equipment (PPE) such as steel-toed boots while weak appropriate personal protective equipment (PPE) such as steel-toed boots while weak appropriate personal protective equipment (PPE) such as steel-toed boots while weak and the advance of a steel and the equipment, tools, and machinery to ensure they are in good working condition are subsiding to manufacturers' guidelines, and operated safely. Scheen undequate break times for workers and encourage hydration and rest, particularly during hot ather or extended periods of physical labour. Ones ergonomic equipment, tools, and techniques to reduce the risk of injury due to excessive strain or expetitive actions. Store and dispose of materials safely and correctly, using designated waste disposal containers and storage areas, keeping them neat and well-maintained. Develop an Emergency Response Plan (ERP) for potential incidents and accidents, ensuring all workers are aware of the plan and know how to act accordingly in case of emergencies. Encourage open communication and reporting of any hazards or near misses, fostering a positive safety culture on the works	1L
2. Site Inspection	Falling objects, Uneven ground	2M	 Conduct a pre-start inspection of the site to identify and address any potential hazards, such as uneven ground, overhead obstacles, or other issues that may cause falling objects. Ensure all workers are wearing appropriate personal protective equipment (PPE), including hard hats, steel-toed boots, and high-visibility clothing to minimise the risk of injury from falling objects and trips on uneven ground. 	1L

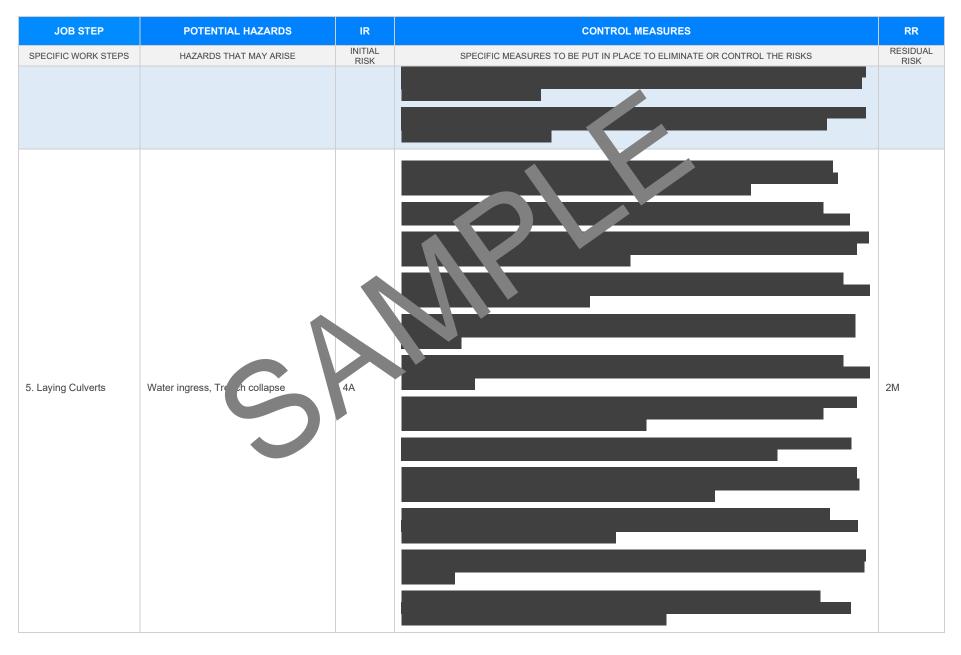


JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
			- Set up exclusion zones around areas where heavy machinery is operating to prevent unauthorised access and reduce the risk of falling object injuries.	
			- Use barriers and signage as necessary to clearly thank hazardous areas, such as uneven ground or locations prone to falling objects, guiding work that the extra caution while navigating these areas.	
			- Implement clear communication protocols, r workers or pating heavy machinery, cranes, or other equipment, ensuring that they are aware of a poter chazards before starting work in the area.	
			- Regularly monitor weather conditions and adjust work schedulers if required, especially when dealing with potential for increased news of falling objects the to winch boad weather.	
			- Keep the worksite clean and here from debris, which the contribute to uneven surfaces and increase the risk of tripping or a lack involve falling objects.	
			- Utilise temporary ramps, in tting, or ompact will materials to create more even ground surfaces where necessary, in oving stable y and reduce risk of trips and falls.	
			- If ference, sche decork during daylight hours and provide adequate lighting for nighttime operations to ensure the ters can learly see any potential hazards in their path.	
			- Carry, ut regular to to box talks with workers, reinforcing the importance of maintaining a safe working environ with a porting because and adhering to control measures in place.	
			- poloy potter, watch for and alert workers of any potential hazards or unsafe conditions, such as falling, bit its or changes in uneven ground surfaces.	
			aspect and maintain all tools, equipment, and vehicles used in the laying of pipes and culverts, ensuring to 're in good working order and not contributing to hazards.	
			Review and update the Safe Work Method Statement (SWMS) on an ongoing basis to ensure all identified hazards are effectively controlled, and new risks are addressed as they arise.	
	5		- Conduct pre-start checks on the excavator to ensure it is in safe working condition and all safety features, such as alarms and cameras, are fully operational.	
			- Ensure operators are properly trained and competent in using the excavator for pipe laying and culvert installation tasks.	
			- Employ a spotter to be present during excavation operations, helping the excavator operator maintain clear visibility of the work area and any potential hazards.	
3. Excavation	Excavator contact, Service strikes	4A	- Maintain clear communication between the excavator operator, spotter, and other ground staff through two-way radios or standard hand signals.	2M
			- Implement buffer zones around the excavation site to restrict unauthorised personnel from entering the working zone.	
			- Mark out the locations of existing underground services using paint or flags, and verify their positions with service locators or through "Dial Before You Dig" information.	
			- Utilise a digging plan that includes details of the required excavation dimensions, layout of pipes or culverts, and necessary precautions for avoiding underground services.	



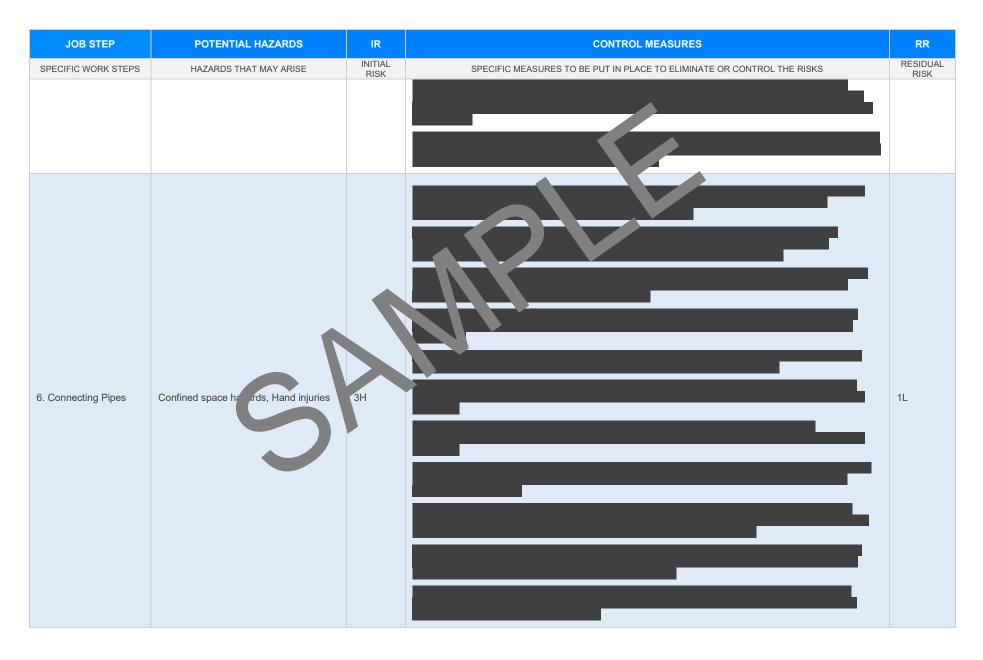
JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
			- Utilise soft dig techniques, such as vacuum excavation or hand digging, when working in close proximity to underground services.	
			- Establish a procedure for handling emergency site nons involving service strikes, such as shutting down the machine, evacuating the area, and contact? The relevant authorities.	
			- Monitor weather conditions and adjust extration technicles as appropriate to mitigate the risk of cave- ins or instability in the trench walls.	
			- Provide appropriate Personal Protective Equiperent (PPE) for vorkers involved in excavation activities, including helmets, eye protection, high-visibility vers, and structed boots.	
			- Ensure proper backfilling and empaction procedure to followed after pipe laying and culvert installation to minimum visk on ture settlement or movement.	
			- Regularly receive and upday. Safe to rk Metrica Statements (SWMS) to address changes in the work environment, supersonne, so address for laying pipes and installing culve	
4. Pipe Delivery	Manual handling injuries, Vehicle collision	ЗН		1L



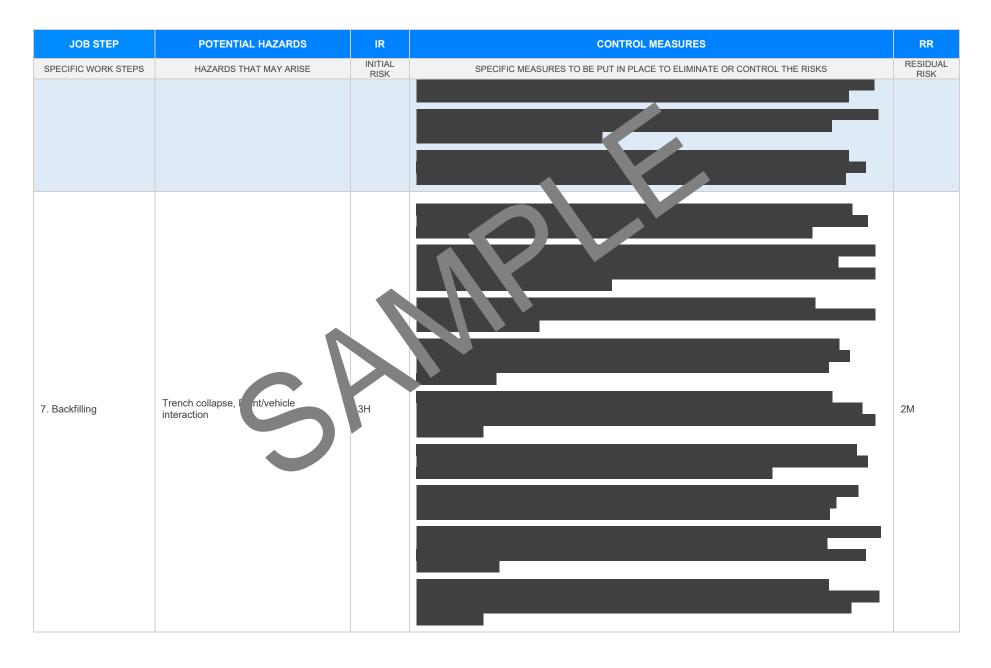


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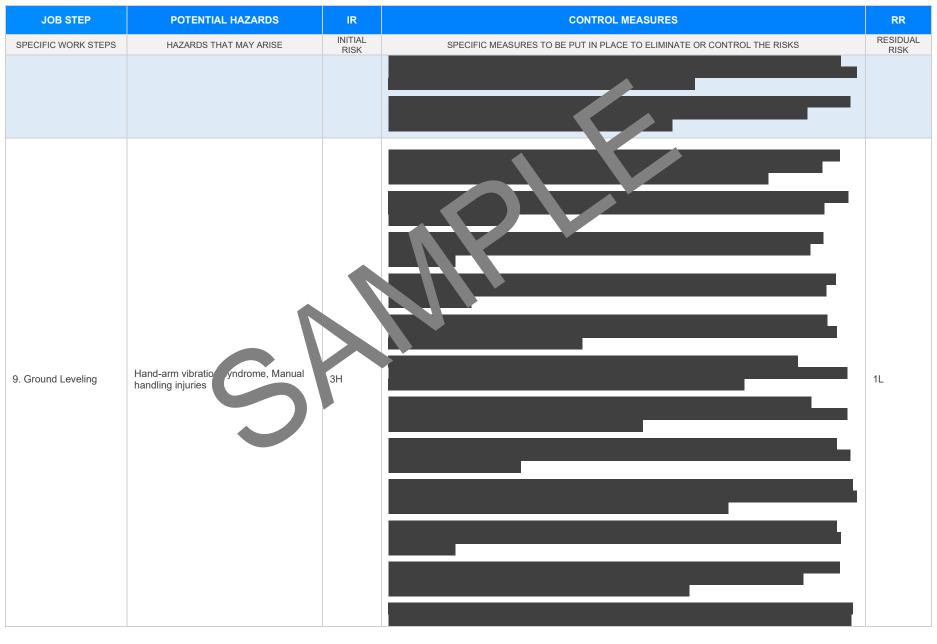




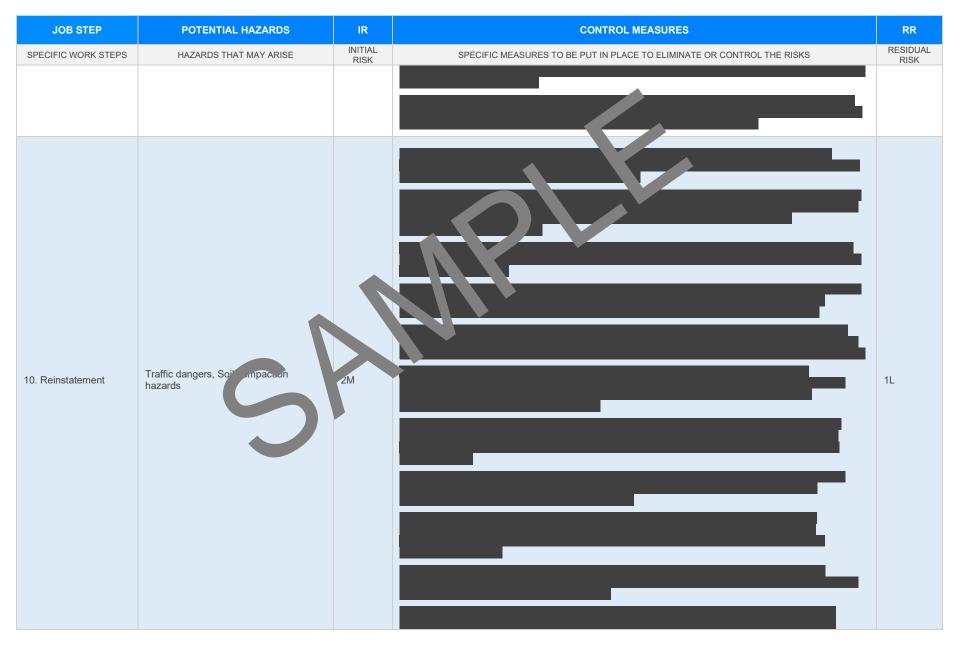


JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
8. Compaction	Ground vibration, External			I 1L









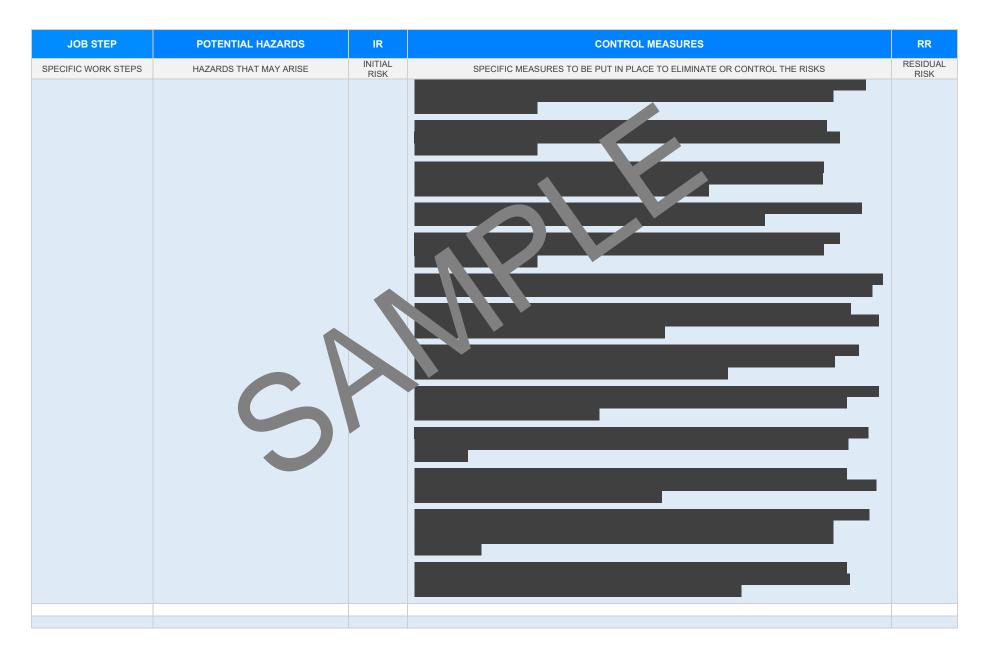
Version 2.5

Date of Issue:



JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
11. Pressure Testing	Uncontrolled release of pressure, Hose whip	31-		1L
12. Final Inspection	Visibility issues, Confined spaces	2M		1L







JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
	S			



EMERGENCY RESPONSE – CALL 000 FOR EMERGENCIES

Ensure to have an Emergency Management Plan in place as well as adequate numbers of trained first aid staff with easy access to fully stocked first aid kits, rescue equipment, material safety data sheets, adequate access to emergency communication equipment and fire-fighting equipment suitable for all classes of fire and ignition sources.

LEGISLATIVE REF	ERENCES						
RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEGISLATIVE REFERENCES ANY STATE AT ARE NOT APPLICABLE							
Queensland & Australian Capital Territory Work Health and Safety Act 2011 Work Health and Safety Regulations 2011 Legislation QLD: <u>https://www.worksafe.qld.gov.au/laws-and-compliance/work-health-and-safety-laws</u> Codes of Practice QLD: <u>https://www.worksafe.qld.gov.au/laws-and-compliance/codes-of-practice</u> Legislation ACT: <u>https://www.worksafe.act.gov.au/laws-and-compliance/acts-and-regulations</u> Codes of Practice ACT: <u>https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice</u>	Victoria Occupational Health at Safety Act and Occupational Health and orfety orgulations 2017 Legis non VIC: <u>https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and- rulations</u> ordes of mactice VIC <u>autps://www.worksafe.vic.gov.au/compliance-codes-and-codes-practice</u>						
New South Wales Work Health and Safety Act 2011 Work Health and Safety Regulations 2017 Legislation NSW: https://www.safework.nsw.gov.au/legal-obligations/legislati-codes rach. Codes of Practice NSW: https://www.safework.nsw.gov.au/legal-obligations/legislati-codes-ou rach.	Western Australia Work Health and Safety Act 2020 Work Health and Safety Regulations 2022 Legislation Western Australia: <u>https://www.commerce.wa.gov.au/worksafe/legislation</u> Codes of Practice WA: <u>https://www.commerce.wa.gov.au/worksafe/codes-practice</u>						
Northern Territory Work Health and Safety (National Uniform Legislation) Act 2011 Work Health and Safety (National Uniform Legislation) Regulation 2011 Legislation NT: <u>https://worksafe.nt.gov.au/laws-and-compliance/we_place-serv-laws</u> Codes of Practice NT: <u>https://worksafe.nt.gov.au/f</u>	Safe Work Australia Links Law and Regulation (All States): <u>https://www.safeworkaustralia.gov.au/law-and-regulation</u> Model Codes of Practice: <u>https://www.safeworkaustralia.gov.au/resources-publications/model-</u> <u>codes-of-practice</u> Model Codes of Practice						
South Australia Work Health and Safety Act 2012 (SA) Work Health and Safety Regulations 2012 (SA) Legislation for SA: <u>https://www.safework.sa.gov.au/resources/legislation</u> Codes of Practice for SA: <u>https://www.safework.sa.gov.au/work_aces/codes-of-practice#COPs</u>	 Managing noise and preventing hearing loss at work Confined spaces Labelling of workplace hazardous chemicals Managing risks of hazardous chemicals in the workplace Welding processes 						
Tasmania Work Health and Safety Act 2012 Work Health and Safety (Transitional and Consequential Provisions) Act 2012 Work Health and Safety Regulations 2012 Work Health and Safety (Transitional) Regulations 2012 Legislation for TAS: https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations Codes of Practice for TAS: https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice	 First aid in the workplace Managing the risk of falls at workplaces Hazardous manual tasks Managing the risk of falls in housing construction Managing electrical risks in the workplace Demolition work Excavation work Work health and safety consultation, cooperation and coordination 						
Details of permits, licenses or access required by regulatory bodies (add or delete as required): - Permits from local council - Authorisation to commence work - Any required documents.	 Work health and safety consultation, cooperation and coordination Managing the work environment and facilities How to manage work health and safety risks Managing risks of plant in the workplace Construction work 						



SIGNATORIES OF THE SAFE WORK METHOD STATEMENT

The signed and dated personnel listed below have cooperated in the consultation and development of this Safe Work Method Statement which has been approved by the Person/s Conducting a Business or Undertaking (PCBU). In signing this Safe Work Method Statement each individual acknowledges and confirms that they have read this SWMS in full, having raised any questions for items on this Safe Work Method Statement that require clarification, and confirms that they are competent, skilled and knowledgeable for the task assigned to them. Every person acknowledges that they have received the relevant training and gualifications where required, before carrying out any work contained in this Safe Work Method Statement. By signing this Safe Work Method Statement each individual agrees to work safely, to follow any safe work instructions which are provided, and agrees to use all Personal Protective Equipment where appropriate.

Worker Name	Signature	Date

SAFE WORK N THE ST ATEM ANT MONITORING AND REVIEW

d must reviewed (and

hav be sted by the operation

should be carried out in

The SWMS must be reviewed regularly to make sure it remains fective revised if necessary) if relevant control measures are revised. The viewn consultation with workers (including contractors htractors Vb of the SWMS and their health and safety representatives who represented that work group at the workplace.

When the SWMS has been revised the PCBU must ensure that persons involved with the work are advised that a revision has been made and how they can acces he revised SWMS, including all persons who will need to change a work procedure or system as a region of the review are advised of the changes in a way that will enable them to implement their duties antly with the revised SWMS. All workers that will be involved in the work must be provided with the relevant information and instruction that will assist them to understand and implement the revised SWMS.

The SWMS must be monitored regularly for the effectiveness of ensuring hazard controls are effective in reducing the risk of incidents, keeping the workplace safe for all personnel. The person responsible for monitoring the effectiveness of the Safe Work Method Statement should employ a multi-faceted approach which includes but is not limited to:

- 1. Spot Checks.
- 2. Consultation with workers, contractors and sub-contractors.
- 3 Internal audits on a continual basis.

An approach of continuous improvement, promptly recording inconsistencies or deficiencies. followed up by immediate corrective action and consultation with all relevant personnel ensures that the PCBU is consistently developing ever-improving systems of safe work principles.

REVIEW NUMBER	1	2	3	4	5	6	7
NAME							
INITIALS							
DATE							



SAFE WORK METHOD STATEMENT REVIEW CHECKLIST

This Safe Work Method Statement Review Checklist is to be followed and used upon initial development of the SWMS to help ensure that all steps have been adequately taken before work commences. Think of this document as an internal audit review checklist before commencing work, and may form part of a Toolbox Talk (safety meeting) and may be used as an opportunity for education and training.

ITEMS WHICH MUST BE INCLUDED IN THE SWMS	COMPLETED	COMMENTS	
The company details have been entered, including the project name and address.			
All relevant personnel consulted during the development of the SWMS.			
Name, signature, position and date signed of the person approving the SWMS.			
Specific personnel and qualifications, experience is noted in the SWMS.			
Provides a step-by-step process of tasks required to carry out the activity or task.			
Adequate risk assessment of any identified hazards has been completed.	\boxtimes		
Foreseeable hazards are identified and documented for each step.	\boxtimes		
Any hazards listed in any site risk assessments have been added to the SWMs	\boxtimes		
SWMS initial risk (IR) column as well as residual risk (RR) column mpleted.	\boxtimes		
Check control measures added to the SWMS are the most effective selection	\boxtimes		
Responsible person is assigned and listed on the part the importation ontrol measures.	\boxtimes		
Permit or licenses requirements specified, su as Hot Work, Electric Work, Work at Heights etc.	\boxtimes		
SWMS identifies plant and equipment to be use	\boxtimes		
Details of inspection checks required for any equipment listed protection on the SWMS.	\boxtimes		
Describes any mandatory qualifications, experience, and g or skills required to perform the work.	\boxtimes		
Applicable personal protective equipment is selected on the SWMS.	\boxtimes		
Reflects and documents any legislative references and/or Australian Standards.	\boxtimes		
Identifies any hazardous substances used with specific control measures in line with any SDS.	\boxtimes		
REVIEWED BY	DATE RE	VIEWED	
SIGNATURE	DATE COMPLETED		