

Sequencing	g Excavation Projects Risk	Assessment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Eme	
THIS RISK ASSESSI	MENT IS APPROVED BY THE PC	BU OF Y PROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a is prepared before the proposed work starts.	person conducting a busine or un	ndertaking PCBU required to ensu	ire that a RISK ASSESSMENT
Full Name:			
Signature:		ritle:	Date:
CL		DETAILS	
Client:		SCOPE OF	WORKS
Project Name:			
Project Address:			
Project Manager:			
Contact Phone:			
Date Risk Assessment supplied to Project New			



RISK MATRIX							
LIKELIHOOD	INSIGNIFICANT	MINOR	MODERATE MA	JOR CATASTROPH			HIERARCHY OF CONTROLS
ALMOST CERTAIN	3 HIGH	3 HIGH		4 4 JTE ACUTE	SCORE	ACTION	Elimination Remove the hazard.
LIKELY	2 MODERATE	3 HIGH	U U U U U U U U U U U U U U U U U U U	4 4 JTE ACUTE	4A ACUTE	DO NOT PROCEED	Substitution Replace the hazard. Isolation
POSSIBLE	1 LOW	2 MODERATE		4 JTE ACUTE	3H HIGH	Rev before work art	Isolate People from the hazard Engineering Isolate the
UNLIKELY	1 LOW	1 LOW		3 Z GH ACU E	MC RATE	Ensure control measures in place.	Activité istrativ e Chang
RARE	1 LOW	1 LOW		3 GH H. 1	1L LOW	Monitor and keep records.	PP
A Stop work. The risk is intolerable, cominate the hazarc predesign the activity before proceeding. A Safe Work Method Statement (SWMS) or higher-level authorisation is required. 3H Review and approve additional controls for exact task parts. Senior supervisor sign-off needed. 2M Ensure all nominated controls are imprace and efficience. Proceed with caution; monitor conditions. 1L Proceed, following standard operating procedurer Monitor and keep records.							Notes on Hierarchy of Controls: Remember to apply controls in the preferred order shown by the coloured pyramid: 1. Eliminate 2. Substitute 3. Isolate 4. Engineering 5. Administrative 6. PPE
Consequence		injury/illness)	Project / Ass	Significant regula	pliance / Reputat ator intervention; c		Always document why a lower-order control is accepted if
Catastrophic Major	Fatality or perma Serious injury/illr days)			wn prosecution	tice; major media		elimination or substitution is not reasonably practicable. aligned with Safe Work Australia's Managing the risk of fatigue at
Moderate	Medical-treatmen	nt injury; lost-tim	e > 1 moderate dela	y Minor breach; ad	Minor breach; adverse client comment		work (2023) and ISO 45001:2018 clauses 6–8.
Minor	First-aid only, no	lost time	negligible dela	y Isolated non-con	formance		
			no schedule	Deviation caught and corrected on site			



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. Site Inspection	Uneven terrain, Low visibility	ЗН	 Conduct daylight inspections to counter low visibility Use survey tools to identify and mark uneventuraces Inform all employees about identified hazers during a constant meeting Ensure all workers wear high visibility clothin Use adequate lighting durinolog or poor weath conditions Ensure workers are trained to centify and report history Limit access to hou-risk repairs through the eadily reached Have emergency contact normation readily readily realized Provide First versity ended Main the bufference around unsafe areas 	2M
2. Setting Up Perimeter Fencing	Manual handling injuries deedequate fencing materials	21	 Conduct matural handling training for all workers Intermet handling training for all workers Intermet handling materials where appropriate to reduce strain Ensuration function materials are to Australian Standards Ispect materials before use for damage or defects Limit fence height to avoid overreaching Assign tasks based on physical capability Ensure secure storage of all materials to prevent trip hazards Establish a safety check schedule for fence maintenance Provide gloves and protective clothing for handling materials Designate a supervisor to oversee adherence to procedures 	1L
3. Excavation Equipment Set-Up	Equipment malfunction, Noise pollution	4A	 Conduct regular equipment maintenance and inspection Provide hearing protection to all workers Ensure only trained, licensed operators use machinery Have equipment shutdown procedures in place for emergencies Implement a noise monitoring system Establish communication protocols to reduce noise exposure Use barriers to separate workers from noisy machinery Encourage rotating shifts to minimise noise exposure 	2M



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			- Establish a mandatory start-up checklist	
			- Maintain machinery to reduce operational noise	
4. Utilities Marking	Hitting utility lines, Incorrect marking	4A		1L
5. Excavation Commencement	Collapse of excave on walls, Falling debris	ЗН		1L
6. Load Transportation	Vehicle tipping, Unsecured loads	4A		2M

Version 2.5

Review #



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7. Soil Disposal	Dust inhalation, Contamination of waterways	ЗН		1L
8. Dewatering	Water ingress, Slip	вн		1L
9. Backfilling	Improper compaction, Equipment failure	ЗН		1L

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10. Survey and Inspection	Inaccurate measurements, Disorienting terrain	2M		1L
11. Utility Relocation	Electrical hazards, Chemical leaks	4A		2М
12. Final Site Clean-up	Trip hazards, Exposure to hazardous substances	ЗН		1L

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13. Decommissioning Temporary Facilities	Falling objects, Misuse of equipment	2M		1L
Temporary Facilities				
	7			
14. Final Inspections and Handover	Documentation errors, he for s with remaining structures	2M		1L
15. Project Review and Feedback	Inadequate feedback analysis, Miscommunication	2M		1L

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		•		
	5			



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.

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: https://www.worksafe.qld.gov.au/laws-and-compliance/work-health-and-safety-laws Codes of Practice QLD: https://www.worksafe.qld.gov.au/laws-and-compliance/codes-of-practice Legislation ACT: https://www.worksafe.act.gov.au/laws-and-compliance/acts-and-regulations Codes of Practice ACT: https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice	Victoria Orchipational Health an Safety Act and Occupational Health and infetion guilations 2017 Legis non VIC: <u>https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and- rulations</u> or des one actice VIC <u>extps://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/legislatic Codes of Practice NSW: https://www.safework.nsw.gov.au/legal-obligations/legislatic	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 2015 Legislation NT: <u>https://worksafe.nt.gov.au/laws-and-compliance/workplace-servelaws</u> Codes of Practice NT: <u>https://worksafe.nt.gov.au/formediatestations</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- codes-of-practice</u>						
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_saces/codes-of-practice#COPs</u> Tasmania Work Health and Safety Act 2012 Work Health and Safety (Transitional and Consequential Provisions) Act 2012 Work Health and Safety Regulations 2012	Model Codes of Practice - 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 - First aid in the workplace - Managing the risk of falls at workplaces - Hazardous manual tasks - Managing the risk of falls in housing construction						
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/acts-and-regulations Codes of Practice for TAS: https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice Details of permits, licenses or access required by regulatory bodies (add or delete as required):	 Managing electrical risks in the workplace Demolition work Excavation work Work health and safety consultation, cooperation and coordination Managing the work environment and facilities How to manage work health and safety risks 						
 Permits from local council Authorisation to commence work Any required documents. 	- Managing risks of plant in the workplace - Construction work						