

Digging Trenches	For Rerouting Sewage Line	es Risk Assessment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Ema	
THIS RISK ASSESSI	MENT IS APPROVED BY THE PC	BU O) '' AROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a is prepared before the proposed work starts.	person conducting a busine or ur	ndertaking PCBL required to ensu	re that a RISK ASSESSMENT
Full Name:			
Signature:		ıtle:	Date:
CLY	OR PRICE LCO. TRACTOR	DETAILS	
Client:		SCOPE OF	WORKS
Project Name:			
Project Address:			
Project Manager:			
Contact Phone:			
Date Risk Assessment supplied to Project I			



RISK MATRIX LIKELIHOOD INSIGNIFICANT MINOR MODERATE MAJOR CATASTROPHIC HIERARCHY OF CONTROLS SCORE ACTION Elimination ALMOST 3 HIGH 3 HIGH 4 4 ACUTE ACUTE ACUTE **CERTAIN** Remove the hazard. Substitution 4 4 DO NOT Replace the hazard. LIKELY MODERATE HIGH HIGH ACUTE ACUTE ACUTE ROCEED Isolation Isolate People from the hazard 2 3 4 3H Rev before POSSIBLE MODERATE ACUTE ACUTE LOW HIGH HIGH. work Engineering Isolate the l/Acchanich. Ensure control 2 3 2M istrativ UNLIKELY measures in LOW LOW MODERATE HIGH ACU RATE е place. Chang 2 MODERATE 3 HIGH 1L Monitor and RARE LOW LOW LOW keep records.

Risk Rating & Required Action:

4A	Stop work. The risk is intolerable,	minate the hazard	redesign the activity before proceeding. A Safe Work
	Method Statement (SWMS) or hime	er-level authorisation	is required.
3H	Review and approve additional c	role 'ask	arts. Senior supervisor sign-off needed.
2M	Ensure all nominated controls are in-	prace and effective	Proceed with caution; monitor conditions.
1L	Proceed, following standard operating	ig procedure //oni	itor and keep records.

Consequence Scale:

Consequence	People (injury/illness)	Project / Assets	Compliance / Reputation
Catastrophic	Fatality or permanent total disability	project shutdown	Significant regulator intervention; criminal prosecution
Major	Serious injury/illness (hospital > 5 days)	critical delay	Improvement notice; major media coverage
Moderate	Medical-treatment injury; lost-time > 1 day	moderate delay	Minor breach; adverse client comment
Minor	First-aid only, no lost time	negligible delay	Isolated non-conformance
Insignificant	No injury	no schedule impact	Deviation caught and corrected on site

Notes on Hierarchy of Controls:

Remember to apply controls in the preferred order shown by the coloured pyramid:

- 1. Eliminate
- Substitute
- 3. Isolate
- 4. Engineering
- 5. Administrative
- 6. PPE

Always document **why** a lower-order control is accepted if elimination or substitution is not reasonably practicable.

aligned with Safe Work Australia's Managing the risk of fatigue at work (2023) and ISO 45001:2018 clauses 6–8.



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
Preparation for Digging	Slips and trips, Incorrect tool usage	ЗН	Conduct a site assessment to identify safe entry and wit points Ensure all workers are trained in manual handly prechniques Provide proper footwear with non-slip soles. Organise tools and equipment in a designated react prevent trips Use protective gloves when bondling tools to ensure a proper Keep the work area tidy to prevent slipping hazards. Regularly inspectators recommagnee fore use Schedule will during dayling thours then virtually is optimal. Develors a communicative plan for inclement weather conditions for early cessation. Ensure handheld has are ergonomically designed for the task.	2M
2. Site Clearance	Unmarked underground utilities, Falling debris		Review tility ups an ontact Dial Before You Dig for underground services information Loignate a site officer to oversee clearance procedures Erect of the site of services around the worksite to prevent access Los spotters when moving materials to avoid hitting overhead structures Develop and implement a site-specific safety plan Schedule regular safety drills on potential utility strikes Secure loose materials with netting or appropriate barriers to prevent falls Implement communication protocols using two-way radios for clear commands Perform a Job Safety Analysis (JSA) Ensure daily toolbox talks highlight potential hazards	2M
3. Excavation Marking	Impact with moving machinery, Manual handling injuries	ЗН	Use brightly coloured and reflective materials to mark the excavation area Implement a system of hand signals or radios for communication between operators and ground workers Ensure proper lighting is available for clear visibility at twilight or at night Verify all machinery operators hold the appropriate licences Set up exclusion zones around the working machinery Train workers in correct manual handling techniques to prevent injuries Perform site-specific risk assessments prior to starting work Establish a 'no-go' zone around marked excavation areas	1L



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			Rotate staff to manage fatigue during heavy manual tasks	
			Use mechanical aids where possible to reduce manual labour demands	
4. Excavation Initiation	Soil collapse, Body strain from machinery operation	4A		2M
5. Utility Locating	Electrical shock, Gas reaks	4A		2M
6. Digging and Trenching	Machinery collisions, Falls into trench	ЗН		2M



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7. Soil and Waste Management	Contamination, Dust inhalation	ЗН		1L
8. Piping Preparation and Installation	Cuts from sharp materials, chemical exposure from sealants	ЗН		2M
9. Connection to Sewage System	Water ingress, Confined space risks	4A		2M



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10. Backfilling	Equipment overturn, Unexpected voids	3H		1L
11. Site Restoration	Inadequate drainage, Trip hazards	ЗН		2M
12. Final Inspection and Closeout	Unresolved defects, Incomplete documentation	2M		1L



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13. Transport of Machinery and Tools	Vehicle accidents, Tool loss or damage	ЗН		2M
14. Decommission of Temporary Facilities	Unsecured materials, Chemical spills	2M		1L
15. Post-Operation Maintenance	Structural collapse, Sewage leaks	4A		2M



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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 REFERENCES

RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEGISLATIVE REFERENCES. ANY STATE OF 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

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/legislative

Codes of Practice NSW: https://www.safework.nsw.gov.au/resource-library/lis > odes-oi racti

Northern Territory

Work Health and Safety (National Uniform Legislation) Act 2011

Work Health and Safety (National Uniform Legislation) Regulation 201

Legislation NT: https://worksafe.nt.gov.au/laws-and-compliance/wo_place-

Codes of Practice NT: https://worksafe.nt.gov.au/f

South Australia

Work Health and Safety Act 2012 (SA)

Work Health and Safety Regulations 2012 (SA)

Legislation for SA: https://www.safework.sa.gov.au/resources/legislation

Codes of Practice for SA: https://www.safework.sa.gov.au/work_aces/codes-of-practice#COPs

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

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.

Victoria

Occupational Health at Safety Act 34

Occupational Health and affety gulations 2017

Legis on VIC: https://www.wksafe.vic.gov.au/occupational-health-and-safety-act-and-

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tes of actice VIC attps://www.worksafe.vic.gov.au/compliance-codes-and-codes-practice

Western Australia

Work Health and Safety Act 2020

Work Health and Safety Regulations 2022

Legislation Western Australia: https://www.commerce.wa.gov.au/worksafe/legislation

Codes of Practice WA: https://www.commerce.wa.gov.au/worksafe/codes-practice

Safe Work Australia Links

Law and Regulation (All States): https://www.safeworkaustralia.gov.au/law-and-regulation Model Codes of Practice: https://www.safeworkaustralia.gov.au/resources-publications/model-codes-of-practice

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
- 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
- Managing risks of plant in the workplace
- Construction work