

Business Name:

Business Address:

ABN/NZBN:

## PLUMBING (DRAINAGE) SAFE WORK METHOD STATEMENT (SWMS)












Business Contact:	Phone #:	Principal Contractor (PC):
Responsible person <i>(for monitoring SWMS and work)</i> :		PC Address:
Signature:	Date:	PC Phone #: <span style="float: right;">Date SWMS provided to PC:</span>
Contact Phone #:		Job Site Address:

### THIS WORK ACTIVITY INVOLVES THE FOLLOWING HAZARDOUS WORK AND ENVIRONMENTAL IMPACTS

- |   |   |  |  |  |
|---|---|--|--|--|
| <input checked="" type="checkbox"/> Electrical equipment    | <input checked="" type="checkbox"/> Elevated levels           | <input checked="" type="checkbox"/> Slips, trips and falls | <input checked="" type="checkbox"/> Hazardous substances | <input checked="" type="checkbox"/> Silica dust      |
| <input type="checkbox"/> Hot Work                           | <input checked="" type="checkbox"/> Hazardous manual tasks    | <input checked="" type="checkbox"/> Outdoor work           | <input type="checkbox"/> Remotely &/or isolated work     | <input type="checkbox"/> ?                           |
| <input checked="" type="checkbox"/> Noise and vibration     | <input checked="" type="checkbox"/> Native vegetation & weeds | <input checked="" type="checkbox"/> Air quality            | <input checked="" type="checkbox"/> Waste                | <input checked="" type="checkbox"/> Vehicle movement |
| <input checked="" type="checkbox"/> Fuels, oils & chemicals | <input checked="" type="checkbox"/> Terrestrial fauna         | <input checked="" type="checkbox"/> Waterways & soils      | <input type="checkbox"/> Cultural heritage               | <input type="checkbox"/> ?                           |

### THIS WORK ACTIVITY INVOLVES THE FOLLOWING "HIGH-RISK CONSTRUCTION WORK" (HRCW - IDENTIFIED IN THE JOB TASK COLUMN)

- |  |  |   |   |
|--|--|---|---|
| <input type="checkbox"/> Confined spaces   | <input checked="" type="checkbox"/> Mobile plant movement  | <input type="checkbox"/> Demolition of a load-bearing structure | <input type="checkbox"/> Asbestos disturbance         |
| <input type="checkbox"/> Using explosives  | <input type="checkbox"/> Diving work   | <input type="checkbox"/> Artificial extremes of temperature     | <input type="checkbox"/> Tilt-up or pre-cast concrete |
| <input type="checkbox"/> Pressurised gas distribution mains or piping chemical, fuel or refrigerant lines energised electrical installations or services |  |   |   |
| <input type="checkbox"/> Structures or buildings involving structural alterations or repairs that require temporary support to prevent collapse          |  |   |   |
| <input type="checkbox"/> Involves a risk of a person falling from 2m or more, including work on telecommunications towers                                |  |   |   |
| <input type="checkbox"/> Working at depths greater than 1.5 Metres, including tunnels or mines   | <input checked="" type="checkbox"/> Work in an area that may have a contaminated or flammable atmosphere |   |   |
| <input type="checkbox"/> Work carried out adjacent to a road, railway or shipping lane, traffic corridor   | <input type="checkbox"/> In or near water or other liquid that involves the risk of drowning             |   |   |

FOOT PROTECTION	HEARING PROTECTION	HIGH VISIBILITY	HEAD PROTECTION	EYE PROTECTION	FACE PROTECTION	HAND PROTECTION	PROTECTIVE CLOTHING	BREATHING PROTECTION	SUN PROTECTION	SAFETY HARNESS	Do not wear rings, watches or jewellery that may become entangled. Long and loose hair must be tied back.
											
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

LIKELIHOOD	INSIGNIFICANT	MINOR	MODERATE	MAJOR	CATASTROPHIC	SCORE	ACTION
ALMOST CERTAIN	3 - HIGH	3 - HIGH	4 - ACUTE	4 - ACUTE	4 - ACUTE		
LIKELY	2 - MODERATE	3 - HIGH	3 - HIGH	4 - ACUTE	4 - ACUTE	4A - ACUTE	DO NOT PROCEED.
POSSIBLE	1 - LOW	2 - MODERATE	3 - HIGH	4 - ACUTE	4 - ACUTE	3H - HIGH	Review before commencing work.
UNLIKELY	1 - LOW	1 - LOW	2 - MODERATE	3 - HIGH	4 - ACUTE	2M - MODERATE	Maintain control measures.
RARE	1 - LOW	1 - LOW	2 - MODERATE	3 - HIGH	3 - HIGH	1L - LOW	Record and monitor.

HIERARCHY OF CONTROLS	MOST EFFECTIVE	Elimination	Substitution	Isolation	Engineering	Administrative	PPE	LEAST EFFECTIVE
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JOB TASK	HAZARDS	RISK	CONTROL MEASURES	RESPONSIBLE PERSON
1. Training	Exposure to respirable crystalline silica (RCS) – dust inhalation	3H	<ul style="list-style-type: none"> <li>Training and information provided to workers on RCS should include:               <ul style="list-style-type: none"> <li>Information on the health effects associated with respirable crystalline silica dust (Provide workers with a copy of 'Health Monitoring for Exposure to Hazardous Chemicals - Guide for workers': Safe Work Australia)</li> <li>Identification of RCS dust through Safety Datasheet (SDS) or labels</li> <li>Dust exposure prevention</li> <li>Checking controls are working and using them</li> <li>When and how to use any respiratory protective equipment provided and what to do if something goes wrong (Including worker respirator fit and check processes).</li> </ul> </li> </ul>	Supervisor
	Powered mobile plant movement	4A	<ul style="list-style-type: none"> <li>Groundworkers:               <ul style="list-style-type: none"> <li>Ensure an effective system of communication between the machine operator and ground workers established before work commences.</li> <li>Groundworkers are instructed not to approach the machine until the operator has agreed to their request to approach</li> <li>Ensure ground workers are instructed on set distances to maintain from the machine while in operation</li> <li>Groundworkers instructed made familiar with the blind spots of the machine.</li> </ul> </li> </ul>	
2. Planning	Property damage	3H	<ul style="list-style-type: none"> <li>Consider overall depth of the proposed excavation</li> <li>Potential impacts on an adjoining property, particularly for drainage or collapse</li> <li>Instability to adjoining or nearby structures</li> <li>Any excavation that is below the level of a footing of any structure including retaining walls that could affect the stability of the structure must be assessed by a competent person and secured by a suitable ground support system, which has been designed by a competent person (e.g. engineer). Suitable supports to brace the structure may also be required and identified by a competent person</li> </ul>	Supervisor

JOB TASK	HAZARDS	RISK	CONTROL MEASURES	RESPONSIBLE PERSON
16. HRCW Pressure testing pipework	Struck by objects under pressure	3H	<ul style="list-style-type: none"> <li>Before installation, all lengths of pipe and fittings thoroughly inspected for cuts, fractures, buckling or any other flaws created during manufacture, shipping or unloading of the pipes or other components</li> <li>Joining to existing systems:               <ul style="list-style-type: none"> <li>Ensure any adjacent stop valves are operational/closed</li> <li>Relieve pressure in the system before cutting/accessing the existing system</li> </ul> </li> <li>Testing a new system:               <ul style="list-style-type: none"> <li>Only a competent person to perform the pressure testing task</li> <li>Ensure connections are adequately secured</li> <li>Adequate support where a change in direction or reduction occurs</li> </ul> </li> <li>The test pressure applied should not exceed:               <ul style="list-style-type: none"> <li>Designed maximum operating pressures</li> <li>The designed pressure rating of the pipe</li> <li>The designed pressure rating of any system component, whichever is lowest.</li> </ul> </li> </ul>	<p><b>Supervisors</b> to check all controls in place and followed</p> <p><b>Workers</b> to follow controls and make supervisor aware of any issues</p>
17. HRCW On completion	Unauthorised access	3H	<ul style="list-style-type: none"> <li>If acceptable, remove or add barricades.</li> </ul>	<p><b>Supervisor</b> to confirm all workers have signed out</p> <p><b>Workers</b> to comply with controls</p>
	Contact with electricity	3H	<ul style="list-style-type: none"> <li>Disconnect power tool/extension leads from power point before winding, to avoid shock if the lead is damaged</li> <li>Inspect leads and power equipment for damage.</li> </ul>	
	Inhalation of silica	3H	<ul style="list-style-type: none"> <li>Use, maintain and store any respiratory protective equipment provided following manufacturers instructions.</li> </ul>	
	Security breach	3H	<ul style="list-style-type: none"> <li>All personnel sign-out on Site Register.</li> </ul>	
	Vehicle/people impact	4A	<ul style="list-style-type: none"> <li>Stay to designated access and egress routes</li> <li>Maintain awareness of surroundings at all times.</li> </ul>	
18. Emergency response	<ul style="list-style-type: none"> <li>Injury</li> <li>Fatality</li> <li>Environmental damage</li> </ul>	4A	<ul style="list-style-type: none"> <li><b>For police, fire or ambulance call '000.'</b></li> <li>Follow site emergency and evacuation procedures</li> <li>A communication system is available, e.g. a mobile phone or radio</li> <li>Check for dangers to self before helping others</li> <li>Maintain control of the area and stabilise the situation</li> <li>Apply first aid to the injured worker</li> <li>Complete an incident report.</li> </ul>	<ul style="list-style-type: none"> <li><b>Refer to your SWMS implementing instructions for further specific emergency responses.</b></li> </ul> <p><b>Supervisors and workers</b> ensure controls followed</p>
OVERALL RISK RATING AFTER CONTROLS			<input type="checkbox"/> 1 - Low <input checked="" type="checkbox"/> 2 - MODERATE <input type="checkbox"/> 3 - High <input type="checkbox"/> 4 - ACUTE	