Concrete Pumping (Boom F	Pumping)   SAFE WORK ME	THOD STATEMENT (SWMS)							
TASK OR A	CTIVITY: Concrete Pumping (Boo	om Pumping)							
Business Name: [Company Name]		ABN: [ABN]	SWMS#						
Business Address: [Company Address]									
Contact Person:	Phone: [Phone]	E Ail:							
THIS SAFE WORK METHOD	STATEMENT IS APPROVED BY	THE P. J OF THE PROJECT							
Under the Work Health and Safety Regulation (WHS Regulation), a person conductive proposed work starts.	icting a business or undertaking (N 3U) is	required to thurs at a safe work method s	statement (SWMS) is prepared before						
Full Name:									
Signature:		Title:	Date:						
Details of the person(s) responsible for ensuring implementation, monitoring and compliance of the SWMS, well as reviews and modifications of the SWMS.									
Business Name: [Company Name]       ABN: [ABN]       SWMS#         Business Address: [Company Address]       Contact Person:       Phone: [Phone]       Ent:         Contact Person:       THIS SAFE WORK METHOD STATEMENT IS APPROVED BY THE PL of THE PROJECT       Under the Work Health and Safety Regulation (WHS Regulation), a person conducting a business or undertaking (n. 20) is required to turor of a safe work method statement (SWMS) is prepared the proposed work stats.         Full Name:       Title:       Date:         Signature:       Title:       Date:         Person(s) responsible for ensuring implementation, monitoring a forompliance. If th 30/M/S uveil as reviews and modifications of the SWMS.       Full Name:         ALL PERSONNEL PARTICIPATING IN ANY ACTIVITY ON THIS VMS. ST HAVE THE POLLOPMENT AND APPROVAL OF THIS SMMS       N. "EAND DATED SIGNATURE OF ALL RELEVANT PERSONNEL WHO HAVE BEEN CONSULTED AND Co., JUNICATED TO IN THE DEVELOPMENT AND APPROVAL OF THIS SWMS         Safety meetings or toolbox talks will be sober of all nacordance with regulation to the state steps to different and and called win all vorkes to anned or considered or not all shared.       NAME       SIGNATURE       DATE         Barders and then to further take steps to different on a exaction all power to a lead barder on an exaction and power tool and exacting and power tool and exacting on the power bodies on considered on activity of the state of the constant on a state of constant on the state of constant on the proveint of the state of the constant on a state of constant on the proveinte of the state of the state of the state of the state of the stat		Phone:							
			EEN CONSULTED AND						
requirements to first identify any site hazards, conduction inical those	NAME	SIGNATURE	DATE						
on the severity of the incident, a meeting will be called with all workers to amend									
approved by the Person Conducting Business or Undertaking and									
completed. Where a SWMS is revised, all versions should be kept. If a notifiable									



CLIENT OR PRINCIPAL CONTRACTOR DETAILS											
Client:					SCOPE OF WORKS						
Project Name:							rk being carried out (otherwise				
Project Address:			k	nown as scope of works).							
Project Manager:											
Contact Phone:											
Project Manager	Signature:										
Date SWMS supp	olied to Project Manag	er:									
		ANY HIG	H-RISK CON JUCI	N. JRK BEING	ARRIED OUT						
involves a risk of	a person falling more than	2 meters.		is carried out on or	near pressurised gas main	s or piping.					
is carried out on a	a telecommunication tower.			☐ is carried out on or near chemical, fuel or refrigerant lines.							
involves demolition	on of an element of a struct	ure that is load-be		is carried out on or near energised electrical installations or services.							
involves demolition	on of an element related to	the physical integrit of a s	17 e.	is carried out in an area that may have a contaminated or flammable atmosphere.							
involves, or is like	ely to involve, disturbing a	estos.		involves tilt-up or precast concrete.							
involves structura	al alteration or repair that re	mporal upp to	prevent collapse.	is carried out on, in or adjacent to a road, railway, shipping lane or other traffic corridor.							
is carried out in o	r near a confined space.			is carried out in an area of a workplace where there is any movement of powered mobile plant.							
is carried out in/n	ear a shaft or trench deepe	er than 1.5m or tunnel involv	ving use of explosives.	is carried out in areas with artificial extremes of temperature.							
is carried out in o	r near water or other liquid	that involves a risk of drow	ning.	involves diving wo	k.						
		ANY	HIGH-RISK MACHINE	RY OR EQUIPMENT	NEARBY						
Forklift	Crane/s	☐ Hoist/s	Excavator	Backhoe/Loader	Boom Lift	EWP	Genie Lift				
Trencher	Drilling Rig	Trucks	Formwork	Bobcat	Flammable Gas	Fuel	Dozer				
High Voltage	Mulcher	Tilt-up Panels	Roller	Scissor Lift	Tractor	Other -					







JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR	RESPONSIBLE PERSON
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK	NAME OF PERSON
1. Preparation	Manual handling injuries, slips and falls	2М	<ul> <li>Conduct a thorough risk assessment for the tasks involved, considering the specific site conditions and the equipment being used.</li> <li>Prioritise safe manual handling techniques in the planning and provide training to workers on correct lifting, pushing, and pullite techniques.</li> <li>Ensure that all workers are wearing the appenriate upsonal protective equipment (PPE), such as gloves, steel-capped boots, an uncervisibility cothing.</li> <li>Encourage regular breaks the rotation of tasks the minimise up were fatigue and reduce the risk of injury.</li> <li>Keep walkways on we prease that of any debris or potential tripping hazards by implementing and housek toning plactices.</li> <li>Make sure the all machinery, include the memory are properly maintained and inspected before set.</li> <li>Clear the rk destructed walking paths and work zones to prevent slips and falls in high-riteral, us.</li> <li>Implement an uddy superm where workers are paired up to assist and monitor the during manual handling tasks, ensuring correct techniques are being use.</li> <li>Provide bequate lighting and visibility for workers to identify potential slip and trip areads while working.</li> <li>Implement spill management procedures in case of concrete spills, ensuring quick clean-up to reduce the risk of slips and falls.</li> <li>Use mechanical aids, such as wheelbarrows, trolleys, or cranes, wherever possible to limit the need for manual handling.</li> <li>Ensure all staff are trained in first aid and emergency procedures, and maintain an easily accessible first aid kit on-site.</li> <li>Establish a clear communication system between workers, including using hand signals and warning signs if necessary, to ensure awareness of potential hazards.</li> <li>Continuously monitor and review workplace practices, making adjustments to improve safety and reduce potential risks associated with manual handling injuries, slips, and falls.</li> </ul>	1L	
2. Equipment inspection	Faulty equipment, crushing hazard	ЗН	<ul> <li>Conduct pre-start equipment inspections: Before commencing concrete pumping, ensure that a thorough inspection of the boom pump is performed by a competent person to check for any faults or defects that may impact safe operation.</li> <li>Implement a regular maintenance schedule: Set up a routine maintenance plan in accordance with the manufacturer's guidelines to keep the equipment in optimal working condition and minimise the risk of faulty performance.</li> </ul>	2M	



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SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK	NAME OF PERSON
			<ul> <li>Adhere to the manufacturer's guidelines: Strictly follow the equipment's operating instructions and recommended practices provided by the manufacturer to avoid compromising the safety and integrity of the boom purp.</li> <li>Establish exclusion zones around the pumping wea: Clearly mark exclusion zones surrounding the boom pump to prevent unclusive personnel from entering the high-risk area and being exposed to crushin nazards.</li> <li>Employ proper communication protocols: Mark oppen and clear communication between the boom pump operator, site manager and ground a sonnel at all times, ensuring accurate conveyance of information regaining haze us and ongoing work activity.</li> <li>Train operators and site at sonn to Ensure that all individuals involved in the concrete purpage process: we unknown a suppriate training on operating procedures, he and recognism and elemency response measures.</li> <li>Use the boom pump to ad capacity: Never exceed the specified load capacity of se boor pumps this could result in equipment malfunction and create dangerous weing a indition.</li> <li>Instain our devices and alarms: Install and maintain secondary devices like alert stems and alarms that provide warnings in case of equipment failure or if working cleating the safed on any future risks.</li> <li>Develop emergency response procedures: Establish and communicate clear plans on how to handle emergencies involving equipment failure or crushing hazards, ensuring that all personnel are aware of their roles in executing the proper course of action.</li> <li>Regularly review and update risk assessments: Actively monitor worksite conditions and activities, and periodically conduct site-specific risk assessments to identify new hazards or control measures necessary to maintain a safe working environment.</li> </ul>		
3. Setup area	Working at height, vehicle movement	ЗН	<ul> <li>Establishing designated exclusion zones: Set up a marked exclusion zone around the site of operation to restrict unauthorised personnel access during the concrete pumping process, in order to reduce the risk of accidents caused by vehicle movement or working at height.</li> <li>Proper training for operators: Ensure all operators are properly trained and competent in operating boom pumps and performing essential maintenance before commencing work. This can help prevent the risk of accidents due to improper handling of equipment.</li> </ul>	2M	



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SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK	NAME OF PERSON
			<ul> <li>Use appropriate fall protection: Provide workers who are working at height with proper fall protection equipment such as harnesses, lanyards and anchor points, ensuring they are wearing them correctly and inspearing them regularly for wear and tear.</li> <li>Proper vehicle positioning: Position concerns pumping vehicles on a stable, flat surface that can bear the weight and load on the equipment. This helps to prevent potential tip-overs and incidents caused by unablemound conditions.</li> <li>Pre-work safety checks: Conduct thorough inspections of equipment, including the pump, lines, and hoses, to identify any issues prior starting work. This can minimise the risk of malfunction bleaks or other issue more boom operation.</li> <li>Utilise spotters that traffic bontrom plement traffic controls and use designated spotters to great vehicle more means well and boserve the surrounding areas while the pumps in opera or. This can be prevent collisions and ensure safe vehicles move and are defined the worksite.</li> <li>Cleak the munican channels: Establish and maintain clear communication between workers are operators through the use of two-way radios, hand signals or other reliable tethods are ensure that everyone is aware of ongoing operations and ootentian azar.</li> <li>Nullar check clability: Continuously monitor the stability and balance of the conder on mb boom throughout the duration of its operation. Adjust counterweights, upports of anchor points as necessary to ensure that the equipment remains sure and balanced.</li> <li>Emergency response plan: Develop a comprehensive emergency response plan which includes procedures for immediate shut down of operations, evacuation and the provision of first aid in case of an accident or injury resulting from working at height or vehicle movement.</li> <li>Review and update risk assessments: Continuously review and update site-specific risk assessments based on any changes to the workplace environment, equipment or personnel involved in the concrete pumping pro</li></ul>		
4. Concrete delivery	Vehicle striking, trip hazards	ЗН		1L	



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SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK	NAME OF PERSON
5. Pump priming	Pump malfunction, high-pressure release	ЗН		2M	



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SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK	NAME OF PERSON
6. Boom positioning	Contact with powerlines, boom collapse	4A		ЗH	



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		RISK		RISK	



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SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK	NAME OF PERSON
7. Concrete pumping	Spray back, hose wipping	ЗН		2М	



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8. Monitoring work	Poor visibility, communication issue	2М		1L	



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SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK	NAME OF PERSON
9. Slab finishing	Workpiece instability, user fatigue	2М		1L	



JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR	RESPONSIBLE PERSON
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK	NAME OF PERSON
10. Cleanup process	Chemical/contact exposure, manual handling injuries	2М		1L	

Version 2.5

Date of Issue:



JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR	RESPONSIBLE PERSON
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK	NAME OF PERSON
11. Equipment dismantling	Struck by mobile plants, entrapment	ЗН		2M	



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SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK	NAME OF PERSON
12. Site restoration	Trip hazards, uneven surface	2M		1L	

Version 2.5

Date of Issue:



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







#### **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 F	REFERENCES					
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/codes-of-practice</u> Codes of Practice ACT: <u>https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice</u>	Victoria Occupational Health and Safety Action 04 Occupational Health and Safety Action 04 Degis from VIC: <u>https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and- gulan</u> is Unles on vactice VIC <u>attps://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: <a href="https://www.safework.nsw.gov.au/legal-obligations/legislati-codes">https://www.safework.nsw.gov.au/legal-obligations/legislati-codes</a> ract.         Codes of Practice NSW: <a href="https://www.safework.nsw.gov.au/resource-library/lis">https://www.safework.nsw.gov.au/legal-obligations/legislati-codes</a> ract.	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: https://worksafe.nt.gov.au/laws-and-compliance/workplace-servelaws Codes of Practice NT: https://worksafe.nt.gov.au/formersection stressection st	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>	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					
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: <a href="https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice">https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice</a> Codes of Practice for TAS: <a href="https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice">https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice</a>	<ul> <li>First aid in the workplace</li> <li>Managing the risk of falls at workplaces</li> <li>Hazardous manual tasks</li> <li>Managing the risk of falls in housing construction</li> <li>Managing electrical risks in the workplace</li> <li>Demolition work</li> <li>Excavation work</li> </ul>					
Details of permits, licenses or access required by regulatory bodies (add or delete as required): - Permits from local council - Authorisation to commence work	<ul> <li>Work health and safety consultation, cooperation and coordination</li> <li>Managing the work environment and facilities</li> <li>How to manage work health and safety risks</li> <li>Managing risks of plant in the workplace</li> <li>Construction work</li> </ul>					

- Any required documents.



#### 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 qualifications 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	Position	Signature	Date	Time	Supervisor
			Date:		
			Datu		
			ı te:		
			Date:		

#### SAL WO A STHUD STATEMENT MONITORING AND REVIEW

The SWMS must be reviewed regularly to revised if necessary) if relevant control measure are subcontract of the SWMS and their health and safety representatives who reworkplace.

ke sure it remains effective and must be reviewed (and acception of the process should be carried out in s any subcontract s) who may be affected by the operation esentatives who recented that work group at the

When the SWMS has been revised the PCBU must ensure that all persons involved with the work are advised that a revision has been made and how they can access the revised SWMS, including all persons who will need to change a work procedure or system as a result of the review are advised of the changes in a way that will enable them to implement their duties consistently 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	TO BE DONE	COMMENTS
The company details have been entered, including the project name and address.			
Names and signatures of all relevant personnel consulted during the development of the SWMS.		P	
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.			
Foreseeable hazards are identified and documented for each step.			
Any hazards listed in any site risk assessments have been added to the SWh			
SWMS initial risk (IR) column as well as residual risk (RR) columns completed.			
Check control measures added to the SWMS are the most effectine sections.			
Responsible person is assigned and listed on the SWMS for the impement of continue measures.			
Permit requirements specified, such as Hot Work, Electrical Work, Vortat Heights etc.			
SWMS identifies plant and equipment to be up t.			
Details of inspection checks required for any equipment listed at noted on the SWMS.			
Describes any mandatory qualifications, experience raining skills required to perform the work.			
Applicable personal protective equipment is selected on the SWMS.			
Lists any required permits or licenses.			
Reflects and documents any legislative references and/or Australian Standards.			
Identifies any hazardous substances used with specific control measures in line with any SDS.			
			·
REVIEWED BY	DATE RI	EVIEWED	
SIGNATURE	DATE CO	MPLETED	