

Plumbing (Temporary Services Connection) S	SAFE WORK METHOD STATEMENT (SWMS)

Business Contact: PHILIP KENNY		Phone #: 042	27 847 927	F	Principal	Contracto	or (PC):			
Responsible person (for monitor	ing SWMS and work): PHILIP KENN	Υ	F	PC Addr	ess:				
Signature:)ate:	F	PC Phon	ie #:		Date SWM	IS provided to	PC:
Contact Phone #: 0427 847 927					Job Site	Address:				
This	WORK ACTIVITY IN	VOLVES THE	FOLLOWING	HAZARD	ous W	ORK AND	ENVIRONMI	ENTAL IMPA	CTS	
⊠ Electrical equipment	⊠ Elevated levels		⊠ Slips, trips	and falls		⊠ Haza	rdous substar	ices	☐ Silica dust	
	⊠ Hazardous man	ual tasks	Outdoor we	ork		Remo	otely &/or isola	ated work	□?	
Noise and vibration ■	Native vegetation Native vegeta	n & weeds		•		⊠ Wast	e		∨ Vehicle mo	ovement
□ Fuels, oils & chemicals	☐ Terrestrial fauna	l		& soils		☐ Cultu	ral heritage		□?	
THIS WORK AC	TIVITY INVOLVES TH	E FOLLOWING	"HIGH-RISK	CONSTR	UCTION	Work" (HRCW - IDEN	TIFIED IN THE J	OB TASK COLUMN	
☐ Confined spaces	⊠ Mobile _I	olant moveme	nt	☐ De	molition	of a load-	bearing struc	ture	bestos disturb	ance
☐ Using explosives	☐ Diving v	vork		☐ Art	ificial ex	tremes of	temperature	☐ Til	t-up or pre-cas	t concrete
☐ Pressurised gas dist	ibution mains or pipi	ng chemical, f	uel or refrigera	nt lines e	energise	d electrica	al installations	or services		
Structures or building	gs involving structura	l alterations o	r repairs that re	quire ten	nporary	support to	prevent colla	pse		
☐ Involves a risk of a p	erson falling from 2m	or more, incl	uding work on	telecomm	nunicatio	ns towers	3			
☐ Working at depths greater the	an 1.5 Metres, includ	ing tunnels or	mines	⊠ Wo	ork in an	area that	may have a c	ontaminated	l or flammable	atmosphere
☐ Work carried out adjacent to	a road, railway or shi	pping lane, tra	affic corridor	☐ In o	or near v	vater or o	ther liquid tha	t involves the	e risk of drowni	ng
	IGH HEAD BILITY PROTECTION	EYE PROTECTION	FACE PROTECTION	HAND PROTECTI		OTECTIVE LOTHING	BREATHING PROTECTION	Sun Protection	SAFETY HARNESS	Do not wear rings, watches or
	90							30+		jewellery that may become entangled. Long and loose hair must be tied back.
	\boxtimes	\boxtimes		\boxtimes				\boxtimes		Must be fied back.



Planning/Preparation	 Liaise with Principal Contractor to identify on-site safety systems and procedures Establish supervisory and communication arrangements Principal contractor to confirm emergency response procedures are in place.
Hold Points	Hold points identified and signed off before continuing work. Specify?
Training/Licence	 All workers to have a General Construction Induction Card Relevant workers have relevant certificates of competency, licenses, and training. Trained First Aider on site All workers trained in site-specific emergency and evacuation procedures, SWMS, safe work procedures, and safety data sheets If working with an excavator for this task, ensure there are separate, dedicated SWMS and that all workers have relevant training and licensing.
Worker duties and responsibilities	 Fit condition for work, i.e. no signs of fatigue, alcohol or drugs Attend all site inductions/briefings Comply with all site requirements, e.g. PPE, Traffic Management Plans (TMP) Only carry out work related to the contract Inspect completed work and report possible safety, environmental and quality matters to the supervisor.
Monitor/Review	 All persons involved in the task must have this SWMS communicated to them before work commences SWMS to be reviewed and amended if necessary, in consultation with relevant persons after any near miss or incident If additional site hazards identified, review this SWMS and amend control measures to suit People, including workers, contractors and sub-contractors, affected by the revisions to this SWMS, must be informed ASAP Give the principal contractor a copy of the revised SWMS The site supervisor to monitor works against the controls stated in this SWMS SWMS must be kept on-site and made available for inspection or review Keep a record of this SWMS until the job is complete or for two years if involved in a notifiable incident Regardless of any other factor, the person in control of the workplace must review this SWMS at least annually.



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Site-Specific Notes: Act, Regulations, Codes of Practice References:

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- Work Health and Safety (Transitional and Consequential Provisions) Act 2011
- Work Health and Safety Act 2011
- Work Health and Safety Regulations 2011
- Work Health and Safety (First Aid in the Workplace) Code of Practice 2015
- Work Health and Safety (Work Health and Safety Consulation, Coperation and Co-ordination) Code of Practice 2015
- Work Health and Safety (Work Health the Work Environment and Facilities) Code of Practice 2015
- Standards Australia 2001, Occupational health and safety management systems Specification with guidance for use, AS/NZS 4801: 2001 (Superseded by AS/NZS ISO 45001)
- Standards Australia 2018, Occupational health and safety management systems Requirements with guidance for use, AS/NZS ISO 45001:2018
- Standards Australia 2016, Environmental management systems Requirements with guidance for use, AS/NZS ISO 14001:2016
- Standards Australia 2016, Quality management systems Requirements, AS/NZS ISO 9001:2016
- SafeWork NSW
- NSW Work Health and Safety Act 2011
- NSW Work Health and Safety Regulation 2017

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LIKELIHOOD	Insignificant	Minor	R	Mod	ERATE		MAJOR	CATASTROPHIC	SCORE	ACTION			
ALMOST CERTAIN	3 - Н ідн	3 - Hig	SH .	4 - 4	ACUTE		4 - ACUTE	4 - ACUTE	SCORE	ACTION			
LIKELY 2 - MODERATE		3 - Hig	3 - Нідн		3 - High 4 - A		4 - ACUTE	4 - ACUTE 4A - ACUTE		DO NOT PROCEED.			
Possible	1 - Low	2 - MODERATE		2 - MODERATE		3 -	Нідн		4 - ACUTE	4 - ACUTE	3H - Higн	Review befo	re commencing work.
UNLIKELY	UNLIKELY 1 - Low		1 - Low		DERATE		3 - Н ібн	4 - ACUTE	2M - MODERATE	Maintain cor	itrol measures.		
RARE 1 - Low		1 - Lo	1 - Low		DERATE		3 - Н і G н	3 - Н і G н	1L - Low	Record and	monitor.		
HIERARCHY OF CONTROLS		Most FECTIVE	Elin	nination	Substitu	ution	Isolatiion	Engineering	Administrative	PPE	LEAST EFFECTIVE		

JOB TASK	HAZARDS	Risk	CONTROL MEASURES	Responsible Person
 Provide training on the health 	Exposure to respirable crystalline silica	ЗН	 Training and Information provided to workers on RCS should include: 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 	Supervisor



	JOB TASK	HAZARDS	Risk	CONTROL MEASURES	Responsible Person
	effects associated with respirable crystalline silica dust	(RCS) – dust inhalation		 workers': Safe Work Australia) Identification of RCS dust through Safety Datasheet (SDS) or labels Dust exposure prevention Checking controls are working and using them 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). 	
2.	Planning	Lack of consultation Engulfment	3H 4A	 Make the Principal Contractor aware of the extent and expected duration of the work so that alternative safety arrangements can be implemented if necessary. Ensure a working in excavations deeper than 1.5 SWMS is in place (additional to this 	Supervisor
		g		SWMS) for any work in trenches deeper than 1.5 m.	
3.	HRCW Arrival on-site & assess onsite conditions	Personal injury, property damage &/or environmental incident	3H	 The vehicle should be positioned in a safe location, clear of traffic/vehicles/pedestrians during equipment delivery and materials removal (deploy physical barriers, caution signs as necessary) Do not park illegally Identify and obey all safety-related signage (check site entry requirements) Report to Site Supervisor Ensure site-specific induction undertaken Assess mobile phone reception The worksite is exactly as detailed in Terms of Agreement or contract Complete a JSA specifying the control measures of unanticipated hazards. 	Supervisor to check the site and conduct JSA where necessary
4.	Working outdoors	Extreme weather Hyperthermia	3H 3H	 Check weather conditions – do not work in extreme conditions Reschedule works to work in more moderate temperatures. Ensure workers trained to recognise the symptoms of hyperthermia and hypothermia 	Supervisor to maintain awareness of
		Hypothermia		 Hot conditions. Ensure: Suitable protective clothing Sun brim on hard hats Safety glasses - UV rated Use 30+ sunscreen on exposed skin Adequate drinking water Access to shade on breaks Adequate breaks. • Cold conditions. Ensure: Schedule warm-up breaks Hold breaks inside Dress warmly in layers Stay dry (wet clothing chills the body rapidly) Workers must get out of the cold as soon as they can if starting to feel symptoms Alcohol, cigarettes, caffeine and certain medications increase susceptibility to cold. 	weather conditions Workers to follow controls
5.	HRCW	Unauthorised	3H	Establish an exclusion zone for other workers and the public. I.e. those not associated with the	Supervisors



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JOB TASK	HAZARDS	Risk	CONTROL MEASURES	RESPONSIBLE PERSON
Work area set-up	access to the work area		 activity. This zone should be clearly defined by signage and hazard marking tape or flagging Maintain awareness of unauthorised persons attempting to enter or entering the work area If members of the public or unauthorised personnel enter the exclusion zone, stop work until removed from the work zone. 	to check all controls in place and followed
	Adjacent to traffic/ public	4A	 If loading/unloading/setting-up roadside – comply with local laws and permits Where temporary road traffic control is required (e.g. when providing temporary road bypass for site works, materials delivery or pedestrian management) Barricading controls are implemented and authorised as part of the safe work system to protect persons from hazards Exclusion Zones established to stop people from entering the area Signage in place to caution persons not to enter Public footpath or roadway exclusion zone: Approval must be sought from the relevant authority (people should be safely directed to an alternative footpath where required) Lane closures and other operations requiring barricades and signs should meet local road traffic authority, local government authorities' requirements Use a spotter as required - designate a responsible person for controlling the immediate area where the operation is occurring The responsible person must authorise entry into the area The barricade must be far enough to keep observers safe. 	Workers to follow controls and make supervisor aware of any issues
6. Environment	Environmental impact	3H	 Noise & vibration - Be aware of maximum noise levels at the site The plant is maintained to minimise noise No noise produced outside council approved hours of operation Air quality - Water sprays or dust suppressants methods are in place Waste - Place all wastes and rubbish in bins or other appropriate containers Separate recycle waste from general waste Do not mix waste with spoil Fuels, oils & chemicals - Minimum amounts of hazardous substances kept on site Labelled and securely stored Refuelling of vehicles/equipment will be undertaken at least 6m from drains and waterways Follow SDS directions for disposal of chemicals in approved waste containers A spill kit is available at all times & spills will be cleaned up immediately follow SDS directions Waterways & soils - Do not wash out plant, equipment or containers where residue can enter waterways or drains 	Supervisors to check all controls in place and followed Workers to follow controls and make supervisor aware of any issues



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JOB TASK	HAZARDS	Risk	CONTROL MEASURES	RESPONSIBLE PERSON
			 Native vegetation & weeds - Ensure that plant is washed free of dirt, vegetation, debris before travelling between sites. Vehicle movement - Follow site TMP, only travel on established tracks and roads Use designated entry and exit points Terrestrial fauna - No domestic animals are to be taken on-site Ensure all food scraps placed in lidded bins. 	
7. House keeping	SlipsTripsFalls	3H	 Maintain housekeeping throughout the shift & clean-up Ensure sufficient lighting to detect changes in level (using temporary lighting as required) Do not jump from elevated edges >180mm, step carefully and use prepared access areas The work area is clean and uncluttered as possible Do not place equipment where it could become a trip hazard Check for stored items, corners or other obstructions that could cause tripping Ensure there is room to manoeuvre and no obstacles in the way Check the end destination is prepared correctly for placement of the materials/equipment Clean spills immediately Store materials to minimise trip hazards Stack materials away from vehicle and traffic areas as much as possible Footwear is suitable. Snug-fitting shoes/boots with flat, non-slip soles, no loose soles, long laces, oily soles, or caked with mud or other contaminants. 	Supervisor and workers to ensure control measures followed
8. Manual tasks	Musculoskeletal (MSD) injuries	3H	 Materials/equipment placed as close to the work area as possible Movement of material from the delivery point to the installation area usually represents the greatest opportunity for damage or injury, particularly if being achieved manually. Ensure: Ensure the access route is clear of hazards Use hand trucks (trolley), to move heavy materials where practicable Use team-lifts where possible: As much as possible, team members are of similar height and capability Team members know their responsibilities during the lift Weight of an object should be known; avoid lifting loads more than 1/4 of your body weight Do not use extreme force to move items Hold lifted items close to the body whenever possible: Keeping knees bent and back straight and lift, unload keeping knees bent Schedule regular breaks and practice job rotation Avoid overreaching, long periods of repetitive movements, awkward and sustained positions, twisting and side-bending. 	Supervisor and workers to ensure control measures followed



	JOB TASK	Hazards	Risk	CONTROL MEASURES	Responsible Person
9.	HRCW Working with powered & non-powered tools	ElectrocutionInjuryFireAsphyxiation	4A	 Use tools only for the purpose specified by the manufacturer Wear PPE as recommended by the manufacturer Pre-inspect and operate tools following the manufacturer's instructions. If damaged or unsuitable for the task do not use. Take out of service immediately and apply LOTO procedures The tool operations manual is available, read and understood Fire protection equipment accessible Use mechanical ventilation as required Electrical: All electric power tools and leads are Tested, Tagged and are current Use electrical sockets protected by RCD (safety-switches) or use portable RCD devices Switchboards have appropriately rated circuit breaker Always ensure that the tool is switched off and power isolated before a pre-start check, adjusting, changing set-ups or repairing Do not overload power outlets Diesel/petrol-powered tools - Do not run a diesel/petrol-powered tools inside a building (e.g. shed), or where ventilation is limited. 	Supervisors to check all controls in place and followed Workers to follow controls and make supervisor aware of any issues
10	. Hazardous substance /chemical use	Contact with hazardous substance /chemical	3H	 Follow directions of use for (specify the substances/chemicals) Consult SDS for the product Use PPE as per the SDS - specify Use with adequate ventilation Chemical resistant gloves for prolonged exposure × DO NOT eat or drink when handling chemicals × DO NOT eat or drink without washing hands thoroughly first × DO NOT take food into the work area where chemicals are being used or stored × DO NOT wear contaminated PPE in areas outside the work zone, such as eating areas. 	Supervisor and workers to ensure control measures followed
11	11. HRCW Excavation work	Contact with underground services	4A	 Ensure excavations do not damage undergraound assets Identify underground assets (location and type) using relevant plans, or Contact Dial before you Dig and Local Authorities to obtain utility maps of intended work areas Hand excavate using a shovel to locate services and mark out before any excavation works Mark all exposed services with flags or devices that can be readily seen Ensure all marked services continue to be visible for the duration of the work. 	Supervisors to check all controls in place and followed
		Accidental contact	ЗН	• Future excavation - ensure marker tape is laid above piping when installed in an open-cut trench The marker tape should be between 150 mm and 300 mm below the finished ground level.	Workers to follow controls



JOB TASK	HAZARDS	Risk	CONTROL MEASURES	RESPONSIBLE PERSON
	Crush injuries Entanglement	4A	 Ensure additional SWMS for machine operation in place and followed Groundworkers. Ensure: High visibility clothing worn at all times Do not stand behind reversing vehicles Keep a safe distance from mobile plant during operation Alertness at all times. Listen for: Reversing alarms/beepers Calls from Plant Operators Work positions should be in clear sight of plant operators Ensure an effective system of communication between the machine operator and ground workers established before work commences Workers trained in the procedures involved before the work commencing Groundworkers are instructed not to approach the machine until the operator has agreed to their request to approach Instruct groundworkers on set distances to maintain from the machine while in operation Groundworkers are made familiar with the blind spots of the machine Entrapment in any part of the machine could cause serious injury or death. Avoid close physical contact with the operating machine at all times NEVER assist the machine by hand when in operation NEVER use tools (such as shovels) to help move spoil during operation NEVER use persons as counterweights NEVER walk under raised loads NEVER push another person or engage in horseplay around operating machinery. 	and make supervisor aware of any issues
	Crush injuries	3H	 Never place any part of the body on or near the machine while it is in operation Never push another person or engage in horseplay around operating machinery Keep shovels away from trencher chains and augers Always wait for the machine to work ahead before cleaning away spoil Do not work within a radius of extended booms, near stabilisers or loader buckets. 	
	Eye trauma	3H	 Ensure that all persons operating laser have been trained and are competent Groundworkers are instructed not to look at laser beams. 	
	Hearing loss	3H	Hearing protection is to be worn by all persons throughout exposure to noise from machinery.	
12. HRCW Electric or gas welding,	FireExplosionBurns	4A	 Ensure completed Hot Work Permit available at the site Follow safety precautions on Hot Work Permit Note: Do not conduct work not listed on the Hot Work Permit. If other Hot Works are required, 	Supervisor and workers to ensure



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soldering or cutting	Property damage		 obtain Hot Work Permit for that task before commencement. Fire protection equipment provided and accessible Dry Chemical or CO2 fire extinguishers near cylinders (ensure fire extinguishers tested & tagged) All flammable materials (including waste, rags, solvents, empty drums.) removed from the area Screens are of sufficient size and placed in a manner to prevent hot sparks, slag and hot metal pieces rolling underneath or penetrating any openings Keep the gas cylinder valve closed when the cylinder is not used Keep all sources of heat and ignition away from gas cylinders, even if the cylinders do not contain flammable material 	control measures followed
13. HRCW Running pipe & termination	Falling objects	3H	 Always wear hard hats when work is being performed overhead or when site rules call for it Observe restricted areas where work is performed above Pay attention to cranes and other equipment are being used to hoist materials in the air. 	Supervisors to check all controls in
	Cutting pipes Lacerations	3H	 PPE worn: (eye, hearing, hand, and foot protection) Check for hidden hazards, e.g. electric wiring, water pipes, gas pipes Operator trained in the correct use of cutting equipment The tool used in compliance with the manufacturer's instructions Operator's hands and body parts kept clear during the operation Tool guarding is installed and in good working order before use Cutting wheels on grinders or drop saws correctly installed Keep work area clear of all tools and off-cut material. 	place and followed Workers to follow controls and make supervisor aware of any issues
	Silica dust	3H	 Drilling/cutting concrete/masonry: Wear eye and respiratory protection - Respirator with at least P1 filtration – fit-tested to the worker if half or full-face mask used Wear disposable or washable protective clothing Water suppression: Clean up any slurry produced to prevent the slurry from drying and releasing silica dust into the air. Tools are fitted with local exhaust ventilation (LEV):	



JOB TASK	HAZARDS	Risk	CONTROL MEASURES	RESPONSIBLE PERSON					
			 Ensure airflow is not impeded by the movements of workers during work, or by the opening or closing of doors and windows. Position the ventilation to move contaminated air away from the workers' breathing zones Wash hands before eating, drinking, or smoking where crystalline silica is present. 						
	Slips, trips, falls	3Н	 Run surface piping where it will not be a trip hazard to others, e.g. fence lines, away from pedestrian areas Do not leave trenches open, backfill as soon as possible. 						
14. HRCW Test & commission	Service failure	3H	 Testing to be performed by competent persons only Ensure all services are tested, and no leaks exist in either service or connection Ensure Site Supervisor is informed and aware of the status of service connections after work and at the end of each work shift. 	Supervisors & Workers to follow controls					
15. HRCW On	Unauthorised access	3Н	If acceptable, remove or add barricades.						
completion	Contact with electricity	3H	 Disconnect power tool/extension leads from power point before winding up so that you don't get a shock if the lead is damaged Inspect leads and power equipment for damage. 	workers have signed out					
	Inhalation of silica	3Н	 Clean up using a vacuum or wet cleaning methods Ensure an industrial vacuum used with HEPA filter (High-Efficiency Particulate Air) Use, maintain and store any respiratory protective equipment provided following instructions Wash face and hands with soapy water. Pay attention to under the fingernails. 	Workers to comply with controls					
	Security breach	3H	All personnel sign-out on Site Register.						
	Vehicle/people impact	4A	Stay to designated access and egress routesMaintain awareness of surroundings at all times.						
16. Emergency response	Injury Fatality Environmenta I damage	4A	 For police, fire or ambulance call '000.' Follow site emergency and evacuation procedures A communication system is available, e.g. a mobile phone or radio Check for dangers to self before helping others Maintain control of the area and stabilise the situation Apply first aid to the injured worker Complete an incident report. Refer to your SWMS implementing instructions for further specific emergency responses. 	Supervisors and workers ensure controls followed					



OVERALL RISK RATING AFTER CONTROLS		1 - Low 2 - MODERATE		RATE 3 - HIGH	4 - Acute
PERMITS	☐ Hot Work	Confined Space	☐ Local council ☐ ?		?
SITE MANAGEMENT PLAN	Is the work associat	ted with a Constructi	on Project? 🗌 Yes 🗌 No	If yes – This SWMS must alig Management Plan in place for	n with requirements of the Site the Construction Project.
PLANT & EQUIPMENT			HAZARDOUS SUBSTANCES		RY ARRANGEMENTS
☐ Electrical tools and leads	Tested and tagged quarterly Regular visual inspection Inspected and tagged out if damaged Inspected and tagged out if damaged		List hazardous substance and have the SDS on-sit	_	on-site ☐ Audits ☐ Spot Checks ☐ Reporting systems ☐ Suitably qualified supervisors for job ☐ Direct on-site supervision ☐ Remote site: communication
☐ Hand tools - Meet AS/NZS			1.	- oper on	
☐ Ladders - Meet AS/NZS			2. 3.	☐ Suitably	
☐ Mobile plant-specify			4.		
□ ?			5.	systems/sc	nedule



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Staff Information will be supplied upon request via email from a WHS Officer or supervisor.