Risk Assessment Site Establishment

Hazards Requiring Attention:	**0**
AS AT	**Thursday, 30 January 2025**
Next Review	**Friday, 30 January 2026**
Total Hazards Recorded	**17**
Critical Risk Hazards	**0**
High Risk Hazards	**0**
Moderate Risk Hazards	**9**
Low Risk Hazards	**8**

Risk Matrix - Refer Procedure Risk Management

Probability	Low	Minor	Moderate	Major	Critical
Negligible	L2	L3	L4	M5	M6
Unlikely	L3	L4	M5	M6	H7
Possible	L4	M5	M6	H7	H8
Likely	M5	M6	H7	H8	E9
Almost Certain	M6	H7	H8	E9	E10

Site Establishment

Task	Hazard	Probability	Consequence	Ranking	Control	Probability	Consequence	Ranking
		Inherent Risk				**Residual Risk**		
Site Establishment	All workers unaware of site issues. Slips trips and falls Manual Handling Noise Fatigue	3	4	**H7**	1 - Work activity will be booked for the day with site management. 2 - All workers to sign in if required be management. Site office or muster point to be established with all required information including induction and sign in to be available to all staff attending site. 3 - Toolbox talks 4 - Ensure site rules are adhered to at all times. 5 - Ensure site traffic management is adhered to 6 - Correct PPE to be worn - Site Safety Rules 7 - Site Working Hours	2	2	**L4**
Site Establishment	Excavation & Burried Services	3	4	**H7**	1 - Ensure HAZMAT register has been reviewed and all workers are aware if any ACM or HAZMAT material are present. 2 - If applicable HAZMAT Management plan to be incorporated or devised. 3 - If HAZMAT has been identified during the works, material is to be tested to be identified if it is positive and then a Management plan is to be incorporated in the removal/remediation or management of the identified material.	2	3	**M5**
Site Establishment	Hot Work - Fire, Explosion	3	5	**H8**	Hot work permit system including observer	2	3	**M5**
Site Establishment	HAZMAT (contamination from ACM, Lead).	3	4	**H7**	1 - Ensure HAZMAT register has been reviewed and all workers are aware if any ACM or HAZMAT material are present. 2 - If applicable HAZMAT Management plan to be incorporated or devised. 3 - If HAZMAT has been identified during the works, material is to be tested to be identified if it is positive and then a Management plan is to be incorporated in the removal/remediation or management of the identified material 4 - Lead dust over 1% concentration requires a lead work permit.	2	3	**M5**
Access & Egress - Traffic Management	Injury due to Vehicle Collision - Collision with pedestrians and site vehicles	3	4	**H7**	1 - Traffic Management Plan 2 - Area to be barricaded/fenced from unauthorised access.	2	3	**M5**

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Task	Hazard	Probability	Consequence	Ranking	Control	Probability	Consequence	Ranking
		Inherent Risk				**Residual Risk**		
Emergency	Fire, - Flood, Explosion (gas, equipment, hazardous goods, bomb), Spills (oils, chemicals etc), Building Collapse, Civil Unrest, Natural disaster	3	5	**H8**	1 - Work Health & Safety Management Plan 2 - Evactuation Plan - Blue Mountains Hospital 3 - Traffic Management Plan 4 - Site Induction	3	2	**M5**
Unloading Equipment	Fall from vehicle Manual Handling injury Sprains Strains and Falls	3	3	**M6**	1 - Manual handling The use of PPE equipment such as gloves are needed. Team lifting where required and manual handling aids when possible. 2 - Use of correct lifting technique when carrying out work. 3 - Ensure stretching and warm up prior to work being carried out. 4 - Reference SafeWork NSW COP Hazardous Manual Handling	2	2	**L4**
Overhead Wires	Electrocution	3	5	**H8**	1 - Overhead Wires Identified Using "Tiger Tails" 2 - Safe Distance Assessment - Mandatory Minimum Approach Distances As Per SafeWork NSW COP Working Near Overhead Power Lines 3 - Use of Observer 4 - Safe Effective Hazardous Working at Heights Procedures 5 - Training & Qualification, Site Induction & Toolbox Talks	2	3	**M5**
Setting Up Equipment.	Back and shoulder injuries Cuts, abrasions and splinters Back strains when lifting material.	3	4	**H7**	1 - Set up equipment on level ground. Avoid rough & difficult terrain 2 - Use appropriate P.P.E equipment when required. 3 - Training in the setup of associated equipment. 4 - Use correct lifting technique - Refer SWMS Manual Handling	2	2	**L4**

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		Inherent Risk				**Residual Risk**		
Introduction to work site of EWP	Fall from Heights. Hit by moving plant and equipment. Pinch point injury	3	4	**H7**	1 - Ensure EWP has been introduced to site and stakeholders are aware. Only if required for project 2 - Ensure only trained employees use EWP. 3 - Ensure all servicing is current. 4 - Ensure correct procedure and use is adhered to. 5 - Ensure EWP is on level and stable ground. 6 - If required, ensure correct fall protection is utilised. 7 - No Skylarking. 8 - Reference - SWMS Elevated Work Platform	2	3	**M5**

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Task	Hazard	Probability	Consequence	Ranking	Control	Probability	Consequence	Ranking
		Inherent Risk				**Residual Risk**		
Isolate Electrical Services If Required	Electrical Shock Eye Injuries Hearing injuries Falls Injuries to people below from falling objects Burns Skin irritations Excessive noise	4	4	**H8**	1 - Ensure all service is disconnected from electrical mains. On site labour to treat all power circuits as live. 2 - Ensure other power source from outside the site is identified and disconnected. Ensure workers use Volt Sticks are used to check for live circuits. 3 - Ensure other power source from outside the site is identified and disconnected. Ensure Earth Leakage Switch is installed on mains supply or generator 4 - Ensure irregular ('bodgie') connections are identified and disconnected. Ensure temporary connections are identified, tagged and isolated 5 - Warm up briefly beforehand. Keep back straight, eyes fixed straight ahead; lift with legs & not the back. 6 - Get help if load is too heavy or awkward. Don't twist. 7 - Wear safety boots and gloves if necessary 8 - Visually check before use to make sure all safety features and guards are in place & there is no damage. Don't operate in wet conditions 9 - Ensure earth leakage protections is in place and is at the supply end of the extension lead 10 - If device trips, don't reset and start again until cause is found 11 - Switch tool off if any faults or abnormal actions become apparent 12 - Ensure tool action is stopped before setting down 13 - Wear appropriate PPE – safety glasses, ear protection Secure any loose hair and clothing 14 - Inspect ladder prior to use – make sure is in sound condition, clean and undamaged 15 - Use two person to carry if required 16 - Secure ladder to structure before climbing onto steps 17 - Have another person near the ladder supervising the area to support the ladder 18 - Wear appropriate footwear when climbing ladders 19 - Have three limbs on the ladder at all times 20 - Wear a tool pouch to carry tools 21 - Watch what is being done… don't be distracted by others and activities within the work areaIf device trips, don't reset and start again until cause is found Switch tool off if any faults or abnormal actions become apparent Ensure tool action is stopped before setting down Wear appropriate PPE – safety glasses, ear protection Secure any loose hair and clothing	2	2	**L4**

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Task	Hazard	Probability	Consequence	Ranking	Control	Probability	Consequence	Ranking
		Inherent Risk				**Residual Risk**		
Isolate Electrical Services If Required	Electrical Shock Eye Injuries Hearing injuries Falls Injuries to people below from falling objects Burns Skin irritations Excessive noise	4	4	**H8**	1 - Wear appropriate PPE – eye protection if sawing and sanding; steel capped boots 2 - Circuit dead locked off tagged and tested and proved dead, this work to be done by sire electrician. 3 - Drill 50mm holes in top of switch board and bush holes with cable bushing. 4 - Bring cable into switchboard. 5 - Terminate cables as per clients drawings 6 - Check cables for damage and conduct circuit testing with a meter 7 - Wear ful llength clothing, glasses and hearing protectionWhen working at heights above 2 metres, ensure appropriate fall protection is in place Carry out risk assessment prior to starting work: Locate power lines & stay at least 2 metres clean, Identify any other obstructions, Ensure ladders are placed on a level surface Barricade area to remove any dangers to other people in the area – this will isolate hazards and control the risks Inform client and site electrician. Barricade immediate area with warning signs. Have electrical rescue kit with a trained person on standby in electrical rescue and CPR	2	2	**L4**
Erecting Scaffold If Required	Scaffold Collapse Fall from heights Falling objects Overloading	4	5	E9	1 - Scaffold to be loaded as per scaffold duty classification 2 - Bricks & materials to be stacked over scaffold transoms to allow a minimum of 450mm passage way along working platform 3 - Do not stack bricks higher than platform handrail. 4 - Do not alter scaffold. 5 - Remove waste regularly 6 - Check scaff-tag & working platforms before use. Contact Site Manager if unsafe. 7 - Ensure all fall hazards are protected by handrail and brick guards. 8 - References - Approved SWMS Scaffolding, COP Managing the Risks of Falls, AS1576.1:2010	2	3	**M5**
Isolate Plumbing Services If Required	Manual handling/body stressing Slips/trips Back strain Muscle strain Impact injuries	3	3	**M6**	1 - Ensure hydraulic services are isolated at main source. 2 - Test various output prior to demolishing.	2	2	**L4**

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Task	Hazard	Probability	Consequence	Ranking	Control	Probability	Consequence	Ranking
		Inherent Risk				**Residual Risk**		
Hazardous Substances	Injury from exposure to hazardous substances such as concrete, concrete additives, sealing compounds. Injury due from contact with Flux Welding rods, Oxy acetylene, glues, adhesives	3	5	**H8**	1 - Manage chemicals/sunstances in accordance with Chemicals Management Program - detailed in WHS Management Plan 2 - PPE in accordance with SDS 3 - Reference COP Managing the Risks of Hazardous Chemicals in the Workplace.	2	2	**L4**
Working at Heights	Slips, trips and falls, cuts and abrasions, sprains and back injuries, impact injuries	4	4	**H8**	1 - Height Work must be in accordance with Safe Work requirements. Specific requirements include: 2 - Fall prevention in accordance with the SafeWork NSW Code of Practice - Managing the Risk of Falls at Workplaces 3 - Fall protection systems in accordance with AS1891:2007 4 - Isolate work areas below 5 - Mandatory Safety Helmets	3	2	**M5**
Site Safety; Securing redundant area. Barricades/ fencing and/or signage	Slips, trips and falls, cuts and abrasions, sprains and back injuries, impact injuries	3	3	**M6**	1 - Ensure Work areas are covered securely at the completion of works each day; 2 - Ensure adequate signage is securely installed at multiple points at the completion of works each day; 3 - Ensure that all barricades and fencing around the work site are well established and secure at the completion of works each day; 4 - Ensure all duty of care has been taken to establish a safe environment around the secured work area. 5 - Reference AS4687:2007 Temporary Fencing	2	2	**L4**