

PBS Project Risk Register



		Word Colour Legend		Acronym	Responsible Positions		Hierarchy of Control		Control Selections		
			Permits	SS	Sub-Contractor Supervisor		6. Elimination	0	%Controls ≥ Engineering	#DIV/0!	
			Refer to another activity in the PRR	SM	Site Manager		5. Substitution	0	%Controls < Engineering	#DIV/0!	
			Input required by the site team	FM	Foreman		4. Isolation	0			
Workplace Location:	Rosherville Mosman		Reference to PBS document	CA	Contracts Administrator		3. Engineering	0			
Issue Number:	0.1		NSW requirement only	EHSQ	EHSQ Manager		2. Administration	0			
Issue Date: Review Date	28/04/2021 20/06/2021 08/07/2021	New Document Review PRR Inclusion of SM, CM, CA Structural steel lift shaft		PE/SE	Project Engineer / Site Engineer		1. PPE	0			Delete Legislation / Codes not applicable to your jurisdiction
Activity Description	Responsible Contractor	Hazard / Impact (Worst Credible Consequence)	Likelihood	Consequence	Risk Rating	Critical Control Measures	Hierarchy of Control Highest Level Control?	Monitoring Frequency?	Action by whom (Title)	Status	Legal and other requirements
Blockwork		Persons hit by plant	C Possible	4 Large	12	Spotter to be used when working in and around people. Competent operator to operate plant only. Do not exceed the SWL or site speed limits of 10km/h. Ensure pre-starts are completed daily on machine before use. Wear seat belt if provided. Driver to be able to see travel path and stop if people walk in direct area. Flashing light to be in prominent position so people will be able to see it and reverse beepers to be in working order. Revision mirror to be in working condition. Boom operator to have clear vision/ positive communication of/with line operator when core filling blockwork.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . . .
Blockwork		failure of concrete pump	D Unlikely	3 Medium	6	Before accessing work areas on the site, operators are to establish a route for safe access and set-up. Considerations of service trenches and penetrations should be taken into account. Xrays are to be conducted on a monthly basis and records given to PBS to ensure that pipe thickness does not deteriorate below the minimum density of 2mm of wall thickness in the concrete piping.	3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . . .
Blockwork		Manual Handling	D Unlikely	3 Medium	6	Identified control measures must follow the Hierarchy of Control commencing with elimination of the high risk manual task where reasonably practicable, followed by the use of mechanical aids to reduce risks related to manual tasks. Ensure you keep the load close to the chest and bend your knees to pick up the load and lift with your legs with your back straight. bend the knees to lower the load then release the load to final position without over extending the back.	3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.
Blockwork		Cuts and lacerations from brick saw	C Possible	3 Medium	9	All guards to be fitted to power tools, Leads/tools to be test n tagged 3 monthly and any RCD to be test n tagged monthly. Wear the correct PPE for use of power tool. Saw to be locked on solid bench and fenced in to no inadvertant access by anyone else but the operator using it.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.
Blockwork		entanglement from the cement mixer	C Possible	3 Medium	9	All guards to be fitted to Mixer engine, Leads to be hung in a position so as not be able to entangle in the movement of the mixer. Mixer to be set up on stable ground. Wear the correct PPE for use of the mixer and don't have any loose clothing on, RCD Protection from power outlet to be installed and tagged monthly.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, Managing electrical risks in the workplace CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.
Blockwork		Electric shock from power tools	D Unlikely	4 Large	8	All guards to be fitted to power tools, Leads/tools to be test n tagged 3 monthly and any RCD to be test n tagged monthly. Wear the correct PPE.	3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction work CoP, How to manage work health and safety risks CoP, Managing electrical risks in the workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide . . .
Blockwork		Failure of scaffold	C Possible	3 Medium	9	Only competent persons holding the appropriate High Risk Licence suitable to the type of work undertaken must construct, modify or dismantle any scaffold or scaffold element. Weekly sign off of access stairing and scaffold decks installed is to be done by the scaffold contractor only. Scaffold system elements must not be constructed of mixed system components unless specifically approved by the manufacturer or a competent person. Scaffolds used for block laying must be fitted with brick guards to protect edges, In Addition, a robust exclusion zone that takes account for potential arc of fall, deflection and bounce distances and has warning signs displayed must be implemented to prevent access by other workers adjacent to, or behind the block laying activity and the uncured wall.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . . .

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Blockwork		fall of person from height	D Unlikely	4 Large	8	Handrail installed at opening to prevent person from falling. Scaffold to be completed and signed off as ready for use. All loading areas on scaffold to have midrail and top rail installed after load is on scaffold. Mesh infills to be utilised as another option. Persons are to remain inside the EWP and not stand on the mid rail to over stretch to complete a task.	3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . .
Blockwork		fall of materials from height	C Possible	3 Medium	9	HRSWMS in place for any High Risk Construction works. Correct PPE to be worn when handling materials.VOC for Plant use. Keep EWP clean and clear of any excess materials. The Catch or Capture philosophy must be employed as the primary control so that the intent of PBS Safety Guide is Plant induction and measures are taken to prevent the fall or reduce the distance of the fall. Lanyards/lethers must be used on all tools or equipment. Robust exclusion zones must be on place as a secondary control measure below areas where a risk of fall of materials/tools exists; these exclusion zones must account for potential arc of fall, deflection and bounce. Boom EWP's need to have mesh flooring so th ground is visible below operators feet. Robust fencing shall be installed from a height of 2m-4m (pedestrian fencing type).	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . .
Blockwork		structural wall collapse	C Possible	5 Very Large	15	inspection on props/timber used Install props as per manufacturers requirements. Correct bolts to be used to secure props. Masonary walls must be designed by a qualified, competent and registered engineer. Maximum unsupported wall height is 1.8m. Scaffolds used for block laying must be fitted with brick guards to protect edges. In Addition, a robust exclusion zone that takes account for potential arc of fall, deflection and bounce distances and has warning signs displayed must be implemented to prevent access by other workers adjacent to, or behind the block laying activity and the uncured wall. Masonary walls must not be erected in adverse weather conditions. Need a documented HOLD POINT to ensure stiffeners and pouring requirements are communicated and undertaken.	4. Isolation	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . .
Blockwork		burns/cuts from cleaning brickwork with chemicals and pressure washer	D Unlikely	2 Small	4	SDS Controls need to be communicated to All workers that are to use and Haz product. The correct PPE is to be worn while completing the task. Chemicals to be correctly labelled and kept in secure storage location on-site.	2. Administration	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, First aid in the workplace CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP. . Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
Blockwork		Environmental damage from spills	C Possible	3 Medium	9	All trows, tools and equipment to be washed out in a protected and designated wash out area. Concrete pump to blow out in plastic lined bin.Hand tools to be washed out in designated wash out area. All off cuts and construction rubbish to be put into the correct PBS bins only. Ensure that all activities where land is cleared, excavated or disturbed have sediment and erosion control devices implemented and maintained. Provide on-site treatment of any stormwater runoff where required. Determine preventative controls as well as physical controls such as covering of stockpiles or water spraying to eliminate or minimise dust being introduced into the atmosphere. Assess and implement mitigation measures for all noise and vibration related impacts on occupants , visitors, surrounding activities and owners where required to ensure operations do not adversely impact them. Plan and conduct all excavation, movement, treatment, processing or remediation of contaminated soils or groundwater in accordance with the requirements of high risk activities.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .

Delete Legislation / Codes not applicable to your jurisdiction

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Workplace Location:	Rosherville Mosman			Reference to PBS document	CA	Contracts Administrator		3. Engineering	0		
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Issue Date: Review Date	28/04/2021 20/06/2021 08/07/2021	New Document Review PRR Inclusion of SM, CM, CA Structural steel lift shaft			PE/SE	Project Engineer / Site Engineer		1. PPE	0		Delete Legislation / Codes not applicable to your jurisdiction
Activity Description	Responsible Contractor	Hazard / Impact (Worst Credible Consequence)	Likelihood	Consequence	Risk Rating	Critical Control Measures	Hierarchy of Control Highest Level Control?	Monitoring Frequency?	Action by whom (Title)	Status	Legal and other requirements
Civil		roll over of Plant	D Unlikely	4 Large	8	Excavator is not to be set up inside the "Zone of Influence". ROPS / FOPS to be installed on All plant including but not limited to Grader, Roller, Skid Steer. Do not exceed the SWL of machine. Ensure lifting gear is test and tagged as ready for use by a competent person.	3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . .
Civil		Failure of plant	C Possible	5 Very Large	15	Excavators / Bobcats and the like, must be correctly maintained and be in good condition for use onsite. All repairs must be attended to before the plant can be used onsite also. All lifting gear - Chains and slings must be approved by a competent person. Synthetic slings need to be checked 3 monthly and chains are to be tested yearly, both having a visual inspection before each use.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . .
Civil		Collapse of excavation/trenching	C Possible	4 Large	12	Bench batter or shoring to be installed for any excavations over 1.5m. All machinery not to be located in the "Zone of Influence". Any wall that cannot be bench battered or shored is to have a geo-tech certification inspection done before any worker can enter the excavation or trench. Shoring boxes to provide adequate access in/out of the excavation. Adjacent structures, roads and sidewalks must be supported or protected where necessary to prevent collapse. Materials and equipment must be placed at safe distances from the edge of excavations.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . .
Civil		Contact with in-ground services	D Unlikely	4 Large	8	Sucker truck to be used to pot hole every 5m a known services, this will identify the service and the direction that it is going. PBS Excavation permit to be in place before any in-ground works begin. No use of an excavator within 1m of a service unless dispensation has been given by the PBS Regional EHS Manager. HRSWMS to be in place for the task. All inground services are to be located using DBYD, Energise or isolate permit may be necessary depending on the task, HRSWMS needed . identify the risks , hold points, testing procedures and identify Plant needed for reducing the risks etc.	4. Isolation	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction work CoP, How to manage work health and safety risks CoP, Excavation work CoP, Managing electrical risks in the workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
Civil		Failure of lifting gear	C Possible	5 Very Large	15	All lifting equipment must be in good condition and regularly serviced as per manufacturers specs(i.e. Spreader bars, chains, slynetic slings, clutches). Robust fencing shall be installed from a height of 2m-4m (pedestrian fencing type), contractors must not allow any unauthorised entry into exclusion zones.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . .
Civil		Ingress of water to excavation	E Rare	4 Large	4	All water services are to be isolated when excavating. Isolation permit to be completed along with excavation permit. Bungs may need to be placed upstream of workers positions. Life bouys to be placed in the vicinity of nearby ponds. Sed or purpose built directional fencing may need to be installed to direct the flow of potential water accessing the excavation - this may relate to weather events or if draining a line that is upstream of the excavation works. Pumps may need to be installed to remove water Correct PPE needs to be worn i.e. Gum boots in muddy trenches/ excavations.	4. Isolation	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction work CoP, How to manage work health and safety risks CoP, Excavation work CoP, Managing electrical risks in the workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .

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<p>Word Colour Legend</p> <p>Permits: SS</p> <p>Refer to another activity in the PRR: SM</p> <p>Input required by the site team: FM</p> <p>Reference to PBS document: CA</p> <p>NSW requirement only: EHSQ</p>		<p>Acronym</p> <p>SS</p> <p>SM</p> <p>FM</p> <p>CA</p> <p>EHSQ</p> <p>PE/SE</p>		<p>Responsible Positions</p> <p>Sub-Contractor Supervisor</p> <p>Site Manager</p> <p>Foreman</p> <p>Contracts Administrator</p> <p>EHSQ Manager</p> <p>Project Engineer / Site Engineer</p>		<p>Hierarchy of Control</p> <p>6. Elimination</p> <p>5. Substitution</p> <p>4. Isolation</p> <p>3. Engineering</p> <p>2. Administration</p> <p>1. PPE</p>		<p>Control Selections</p> <p>%Controls ≥ Engineering</p> <p>%Controls < Engineering</p> <p>βCheck formulas in L2-L7 if you add rows to ensure range is correct</p>		<p>#DIV/0!</p> <p>#DIV/0!</p>		<p>Delete Legislation / Codes not applicable to your jurisdiction</p>									
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<p>Civil</p>		<p>Environmental damage</p>		<p>C Possible</p>	<p>3 Medium</p>	<p>9</p>	<p>All trolleys, tools and equipment to be washed out in a protected and designated wash out area. Concrete pump to blow out in plastic lined bin. Hand tools to be washed out in designated wash out area. All off cuts and construction rubbish to be put into the correct PBS bins only. Ensure that all activities where land is cleared, excavated or disturbed have sediment and erosion control devices implemented and maintained. Provide on-site treatment of any stormwater runoff where required. Determine preventative controls as well as physical controls such as covering of stockpiles or water spraying to eliminate or minimise dust being introduced into the atmosphere. Assess and implement mitigation measures for all noise and vibration related impacts on occupants, visitors, surrounding activities and owners where required to ensure operations do not adversely impact them. Plan and conduct all excavation, movement, treatment, processing or remediation of contaminated soils or groundwater in accordance with the requirements of high risk activities.</p>		<p>3. Engineering</p>	<p>Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,</p>	<p>SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's</p>	<p>Open</p>	<p>WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Work health and safety consultation, coordination and cooperation CoP. PBS Safety Guide .</p>								
<p>Civil</p>		<p>Plant and People separation</p>		<p>C Possible</p>	<p>4 Large</p>	<p>12</p>	<p>Spotter to have positive communication with excavator operator during the task. Workers to stay outside the swing zone of the excavator. Exclusion zone around the excavation/ excavator to stop any unauthorised entry by other workers on the site. Hand signals or UHF radios to be used as positive communications. Workers to remain out of blind spots of any plant that may be delivering materials to site and spotter to guide any plant to final delivery position. Dogman to remain visible when guiding the delivery or installation of loads and to use positive comms.</p>		<p>4. Isolation</p>	<p>SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,</p>	<p>SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's</p>	<p>Open</p>	<p>WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . .</p>								
<p>Civil</p>		<p>Temperature extremes</p>		<p>C Possible</p>	<p>1 Very Small</p>	<p>3</p>	<p>Sunscreen to be worn. Broad brims on hard hats. Consider rest breaks & job rotation. Undertake work at cooler times of the day. Provide adequate clothing that protects from the elements.</p>		<p>1. PPE</p>	<p>Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,</p>	<p>SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's</p>	<p>Open</p>	<p>WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.</p>								
<p>Civil</p>		<p>fall of persons in to excavations</p>		<p>D Unlikely</p>	<p>2 Small</p>	<p>4</p>	<p>Flagging installed with signage 2m back from trenching. For Pit excavations over 1.5 - robust fencing to be installed and signage stating "Deep Excavation" and "Authorised persons only". Excavations over 1.5 to be benched, battered or shored. Safe means of access to be provided.</p>		<p>3. Engineering</p>	<p>Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,</p>	<p>SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's</p>	<p>Open</p>	<p>WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.</p>								
<p>Civil</p>		<p>Fire and Explosion when refuelling plant & equipment</p>		<p>C Possible</p>	<p>3 Medium</p>	<p>9</p>	<p>Hot works permit valid for activity if necessary. Area to be clear of any combustible material. Fire fighting equipment to be in date and in the vicinity of the refuelling activity. Haz goods to be stored correctly onsite and in ventilated areas. All personnel using chemicals to be inducted into the SWMS which are to include any controls as per the SDS for the specific product. All Jerry cans used must be returned to the Haz storage and secured, they are not to be left out onsite. Refuelling to be undertaken in identified locations away from other ignition sources.</p>		<p>3. Engineering</p>	<p>SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,</p>	<p>SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's</p>	<p>Open</p>	<p>WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, First aid in the workplace CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Welding processes CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .</p>								

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Workplace Location:	Rosherville Mosman			Reference to PBS document	CA	Contracts Administrator		3. Engineering	0	βCheck formulas in L2-L7 if you add rows to ensure range is correct		
Issue Number:	0.1			NSW requirement only	EHSQ	EHSQ Manager		2. Administration	0			
Issue Date: Review Date	28/04/2021 20/06/2021 08/07/2021	New Document Review PRR Inclusion of SM, CM, CA Structural steel lift shaft			PE/SE	Project Engineer / Site Engineer		1. PPE	0			
Activity Description		Responsible Contractor	Hazard / Impact (Worst Credible Consequence)	Likelihood	Consequence	Risk Rating	Critical Control Measures	Hierarchy of Control Highest Level Control?	Monitoring Frequency?	Action by whom (Title)		Status
Civil			Burns form bitumen / Concrete	D Unlikely	2 Small	4	SDS Controls need to be communicated to All workers that are to use and Haz product. The correct PPE is to be worn while completing the task.	2. Administration	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, First aid in the workplace CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
Civil			Drowning - working near water holes	E Rare	4 Large	4	All water services are to be isolated when excavating. Isolation permit to be completed along with excavation permit. Bungs may need to be placed upstream of workers positions. Life bouys to be placed in the vicinity of nearby ponds. Sed or purpose built dirrectional fencing may need to be installed to direct the flow of potential water accessing the excavation - this may relate to weather events or if draining a line that is upstream of the excavation works. Pumps may need to be installed to remove water Correct PPE needs to be worn i.e. Gum boots in muddy trenches/ excavations.	4. Isolation	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction work CoP, How to manage work health and safety risks CoP, Excavation work CoP, Managing electrical risks in the workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
Civil			Engulfment and inhalation of hazardous chemicals /toxins in a Confined Space	C Possible	5 Very Large	15	Confined space permit to be aquired from PBS and is only valid for one shift. all work inside a confined space is only to be conducted by personnel who are trained to do so, including atmospheric monitoring, use of safety equipment and rescue procedures. Confined space entry and exist to be secured. Confined space needs to be ventilated to normal atmospheric pressure/quality before anyone can enter the confined space. All measuring equipment must have a current calibration certificate. All services that need to be isolated are to be done prior to any workers entering the space as per the PBS Confined space permit.	4. Isolation	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Confined spaces CoP, Construction work CoP, How to manage work health and safety risks CoP, Managing risks of hazardous chemicals in the workplace CoP, Labelling of workplace hazardous chemicals CoP, Managing the risk of falls at workplace CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide and .
Civil			Cuts and Lacerations	C Possible	3 Medium	9	All guards to be fitted to power tools, Leads/tools to be test n tagged 3 monthly and any RCD to be test n tagged monthly. Wear the correct PPE for use of power tool and hand tools i.e. Stanley Knives. Use retractable stanley knives.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.
Cleaning			Manual Handling	D Unlikely	3 Medium	6	Identified control measures must follow the Hierarchy of Control commencing with elimination of the high risk manual task where reasonably practicable, followed by the use of mechanical aids to reduce risks related to manual tasks. Ensure you keep the load close to the chest and bend your knees to pick up the load and lift with your legs with your back straight, bend the knees to lower the load then release the load to final position without over extending the back.	3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.

PBS Project Risk Register



PBS Project Risk Register		Word Colour Legend		Acronym	Responsible Positions		Hierarchy of Control		Control Selections			
		Permits	Refer to another activity in the PRR	Input required by the site team	Reference to PBS document	NSW requirement only	6. Elimination	0	%Controls ≥ Engineering	#DIV/0!		
Workplace Location: Rosherville Mosman				SS		Sub-Contractor Supervisor						
Issue Number: 0.1				SM		Site Manager						
Issue Date: Review Date		28/04/2021 20/06/2021 08/07/2021	New Document Review PRR Inclusion of SM, CM, CA Structural steel lift shaft	FM		Foreman						
Activity Description		Responsible Contractor	Hazard / Impact (Worst Credible Consequence)	Likelihood	Consequence	Risk Rating	Critical Control Measures	Hierarchy of Control Highest Level Control?	Monitoring Frequency?	Action by whom (Title)	Status	Legal and other requirements
Cleaning			Environmental damage from spills	C Possible	1 Very Small	3	All trolleys, tools and equipment to be washed out in a protected and designated wash out area. Concrete pump to blow out in plastic lined bin. Hand tools to be washed out in designated wash out area. All off cuts and construction rubbish to be put into the correct PBS bins only. Ensure that all activities where land is cleared, excavated or disturbed have sediment and erosion control devices implemented and maintained. Provide on-site treatment of any stormwater runoff where required. Determine preventative controls as well as physical controls such as covering of stockpiles or water spraying to eliminate or minimise dust being introduced into the atmosphere. Assess and implement mitigation measures for all noise and vibration related impacts on occupants, visitors, surrounding activities and owners where required to ensure operations do not adversely impact them. Plan and conduct all excavation, movement, treatment, processing or remediation of contaminated soils or groundwater in accordance with the requirements of high risk activities.	3. Engineering	Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
Cleaning			Dust inhalation	C Possible	3 Medium	9	Correct PPE to be worn. Works to be completed in a ventilated area and consider the use of fans if needed. SDS to be communicated to All workers involved in the task via TBT or SWMS.	2. Administration	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, First aid in the workplace CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Welding processes CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
Cleaning			Fire or explosion from using cleaning products	C Possible	3 Medium	9	Fire fighting equipment to be in date and in the vicinity of the hazardous materials that being used in case of accidental ignition. Haz goods to be stored correctly onsite and in ventilated areas. All personnel using chemicals to be inducted into the SWMS which are to include any controls as per the SDS for the specific product. Contractor to provide Lockable Bunded storage for their Hazardous storage	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, First aid in the workplace CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Welding processes CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
Cleaning			Noise and vibration (vacuum & Floor polisher)	B Likely	1 Very Small	4	When using floor grinders/polishers for an extended period of time, then anti vibration gloves should be worn. Hearing protection should also be worn on top of the site specific PPE requirements when using the vacuum for lengthy periods. Rotation of workers to be considered for long periods of repetitive vacuuming tasks.	3. Engineering	Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction work CoP, Hazardous manual tasks CoP, How to manage work health and safety risks CoP, Managing noise and preventing hearing loss at work CoP, Managing the risks of plant in the workplace CoP, Managing the work environment and facilities CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .

PBS Project Risk Register



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	Permits	SS	Sub-Contractor Supervisor		6. Elimination	0	%Controls ≥ Engineering	#DIV/0!			
	Refer to another activity in the PRR	SM	Site Manager		5. Substitution	0	%Controls < Engineering	#DIV/0!			
	Input required by the site team	FM	Foreman		4. Isolation	0	βCheck formulas in L2-L7 if you add rows to ensure range is correct				
	Reference to PBS document	CA	Contracts Administrator		3. Engineering	0					
	NSW requirement only	EHSQ	EHSQ Manager		2. Administration	0					
		PE/SE	Project Engineer / Site Engineer		1. PPE	0					
Workplace Location:	Rosherville Mosman										
Issue Number:	0.1										
Issue Date: Review Date	28/04/2021 20/06/2021 08/07/2021	New Document Review PRR Inclusion of SM, CM, CA Structural steel lift shaft							Delete Legislation / Codes not applicable to your jurisdiction		
Activity Description	Responsible Contractor	Hazard / Impact (Worst Credible Consequence)	Likelihood	Consequence	Risk Rating	Critical Control Measures	Hierarchy of Control Highest Level Control?	Monitoring Frequency?	Action by whom (Title)	Status	Legal and other requirements
Cleaning		Cuts and Lacerations	C Possible	2 Small	6	All guards to be fitted to power tools, Leads/tools to be test n tagged 3 monthly and any RCD to be test n tagged monthly. Wear the correct PPE for use of power tool and hand tools i.e. Stanley Knives. Use retractable stanley knives.	3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.
Cleaning		Falls of Person from EWP.	C Possible	4 Large	12	HRSWMS in place , Plant induction tag to be issued before use. Emergency rescue procedures to be developed and signed into by any workers undertaking a task from an EWP. Correct use of EWP's. Exclusion zones to be in place for any working platform 2m or above High risk licence or VOC required for the use of booms over the 11m capacity. All works undertaken in accordance with the manufacturers instructions. SWL observed. EWP to be used on level ground. When travelling horizontally the bucket/working platform is to be lowered. All workers to be harnessed to EWP as required by manufacturer. Personnel trained and competent including HRWL for MEWP. Remain clear of edge of structure and adhere to exclusion zones where established and no screening protection provided. No standing on top rails or mid-rails to access work areas, access control bump bar to be fitted to all EWP's as per PBS Alert. Harness to be securely anchored to fixture provided inside EWP.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . .
Cleaning		Falls of Materials from EWP	C Possible	3 Medium	9	HRSWMS in place , Plant induction tag to be issued before use. Emergency rescue procedures to be developed and signed into by any workers undertaking a task from an EWP. Correct use of EWP's. Exclusion zones to be in place for any working platform 2m or above High risk licence or VOC required for the use of booms over the 11m capacity. All works undertaken in accordance with the manufacturers instructions. SWL observed. EWP to be used on level ground. When travelling horizontally the bucket/working platform is to be lowered. All workers to be harnessed to EWP as required by manufacturer. Personnel trained and competent including HRWL for MEWP. Remain clear of edge of structure and adhere to exclusion zones where established and no screening protection provided. No standing on top rails or mid-rails to access work areas, access control bump bar to be fitted to all EWP's as per PBS Alert. Harness to be securely anchored to fixture provided inside EWP.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide .
Cleaning		Plant roll over	D Unlikely	4 Large	8	EWP to be operated on stable ground conditions. Competent VOC'd workers to operate EWP under 11m & Only workers with a High Risk Licence to operate EWP's over 11m. Before accessing work areas on the site, operators are to establish a route for safe access and set-up. Considerations of service trenches and penetrations should be taken into account.	2. Administration	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . .
Cleaning		Fire and Explosion when refuelling plant & equipment	C Possible	3 Medium	9	Hot works permit valid for activity if necessary. Area to be clear of any combustible material. Fire fighting equipment to be in date and in the vicinity of the refuelling activity. Haz goods to be stored correctly onsite and in ventilated areas. All personnel using chemicals to be inducted into the SWMS which are to include any controls as per the SDS for the specific product. All Jerry cans used must be returned to the Haz storage and secured, they are not to be left out onsite. Refuelling to be undertaken in identified locations away from other ignition sources.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, First aid in the workplace CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Welding processes CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .

PBS Project Risk Register



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	Permits	SS	Sub-Contractor Supervisor		6. Elimination	0	%Controls ≥ Engineering	#DIV/0!			
	Refer to another activity in the PRR	SM	Site Manager		5. Substitution	0	%Controls < Engineering	#DIV/0!			
	Input required by the site team	FM	Foreman		4. Isolation	0					
Workplace Location:	Rosherville Mosman		Reference to PBS document	CA	Contracts Administrator		3. Engineering	0	βCheck formulas in L2-L7 if you add rows to ensure range is correct		
Issue Number:	0.1		NSW requirement only	EHSQ	EHSQ Manager		2. Administration	0			
Issue Date: Review Date	28/04/2021 20/06/2021 08/07/2021		New Document Review PRR Inclusion of SM, CM, CA Structural steel lift shaft	PE/SE	Project Engineer / Site Engineer		1. PPE	0			
Activity Description	Responsible Contractor	Hazard / Impact (Worst Credible Consequence)	Likelihood	Consequence	Risk Rating	Critical Control Measures	Hierarchy of Control Highest Level Control?	Monitoring Frequency?	Action by whom (Title)	Status	Legal and other requirements
Cleaning		Electric shock	C Possible	4 Large	12	HRSWMS to be in place for the task. All inground services are to be located using DBYD, All inground services that are within 1m of the direct work area are to be isolated(as per excavation permit), excavation permit / Energise or isolate permit may be necessary depending on the task, Aluminium ladders to be used , correct PPE. HOLD POINT - Contractor needs approval to energise, by the PBS Site Manager. Live temporary electrical cabling must be identified with yellow tag tape every 3m, where cabling is accessible.Competent Persons must carry out electrical inspection, testing and tagging of RCD's Monthly and leads 3 monthly. All temporary electricity provided to socket (general purpose) outlets must be protected by a Residual Current Device. Isolate live cables where possible, All contractors shall produce HRSWMS , identify the risks , hold points, testing procedures and identify Plant needed for reducing the risks etc. Drilling & cutting. Any works requiring drilling or cutting into areas , materials or structures that MAY contain live electrical shall be thoroughly investigated prior to works. An electrician is required to sign off prior to drilling /cutting within 2m of any alignment of GPO or electrical fitting, light switch. Electrical apprentices and trades assistants must work under the supervision of a licenced electrician at all times.All electrical work (other than inspection and testing of portable equipment) must be carried out by a licenced electrician & each electrician must verify their licence before they commence electrical works. Calibration of all testing equipment must be carried out at a minimum yearly. Cordless tools are encouraged to be used before power tools. Every cable end (I.e. awaiting termination) must be folded over itself and taped to prevent eye damage and electric shock(in the event of inadvertent energisation).	4. Isolation	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction work CoP, How to manage work health and safety risks CoP, Managing electrical risks in the workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation CoP. PBS Safety Guide .
Concrete		failure of concrete pump (I.e blow outs , roll over)	D Unlikely	5 Very Large	10	Before accessing work areas on the site, operators are to establish a route for safe access and set-up. Considerations of service trenches and penetrations should be taken into account. Xrays are to be conducted on a monthly basis and records given to PBS to ensure that pipe thickness does not deteriorate below the minimum density of 2mm of wall thickness in the concrete piping.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . .
Concrete		Manual Handling	D Unlikely	3 Medium	6	Identified control measures must follow the Hierarchy of Control commencing with elimination of the high risk manual task where reasonably practicable; followed by the use of mechanical aids to reduce risks related to manual tasks. Ensure you keep the load close to the chest and bend your knees to pick up the load and lift with your legs with your back straight. bend the knees to lower the load then release the load to final position without over extending the back.	3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.
Concrete		hit by mobile plant (Concrete truck/ Concrete Pump)	C Possible	4 Large	12	Lineman to have positive communication with pump operator when positioning the line for the filling of AFS Walls. Pump operator to have direct line of site where concrete boom is to be positioned.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . .
Concrete		Falls of Person from EWP.	C Possible	4 Large	12	HRSWMS in place , Plant induction tag to be issued before use. Emergency rescue procedures to be developed and signed into by any workers undertaking a task from an EWP. Correct use of EWP's. Exclusion zones to be in place for any working platform 2m or above High risk licence or VOC required for the use of booms over the 11m capacity. All works undertaken in accordance with the manufacturers instructions. SWL observed. EWP to be used on level ground. When travelling horizontally the bucket/working platform is to be lowered. All workers to be harnessed to EWP as required by manufacturer. Personnel trained and competent including HRWL for MEWP. Remain clear of edge of structure and adhere to exclusion zones where established and no screening protection provided. No standing on top rails or mid-rails to access work areas, access control bump bar to be fitted to all EWP's as per PBS Alert. Harness to be securely anchored to fixture provided inside EWP.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . .

Delete Legislation / Codes not applicable to your jurisdiction

PBS Project Risk Register



Workplace Location: Rosherville Mosman		Issue Number: 0.1		Issue Date: Review Date		Activity Description		Responsible Contractor		Hazard / Impact (Worst Credible Consequence)		Likelihood		Consequence		Risk Rating		Critical Control Measures		Hierarchy of Control Highest Level Control?		Monitoring Frequency?		Action by whom (Title)		Status		Legal and other requirements	
28/04/2021		20/06/2021		08/07/2021		New Document Review PRR Inclusion of SM, CM, CA Structural steel lift shaft		fall of Hand Tools From EWP		C Possible		3 Medium		9		HRSWMS in place for any High Risk Construction works. Correct PPE to be worn when handling materials.VOC for Plant use. Keep EWP clean and clear of any excess materials. The Catch or Capture philosophy must be employed as the primary control to prevent the fall or reduce the distance of the fall. Lanyards/tethers must be used on all tools or equipment. Robust exclusion zones must be on place as a secondary control measure below areas where a risk of fall of materials/tools exists; these exclusion zones must account for potential arc of fall, deflection and bounce. Boom EWPs need to have mesh flooring so the ground is visible below operators feet. Robust fencing shall be installed from a height of 2m-4m (pedestrian fencing type).		3. Engineering		SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,		SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's		Open		WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide .			
Noise and Vibration (Trowl machine, vibrator.)		B Likely		1 Very Small		4		When using vibrators or helicopter trowl machines for an extended period of time, then anti vibration gloves should be worn. Hearing protection should also be worn on top of the site specific PPE requirements. Rotation of workers to be considered for lengthy periods of repetitive tasks.		3. Engineering		Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,		SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's		Open		WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, Hazardous manual tasks CoP, How to manage work health and safety risks CoP, Managing noise and preventing hearing loss at work CoP, Managing the risks of plant in the workplace CoP, Managing the work environment and facilities CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .											
Fatigue		D Unlikely		2 Small		4		Rotate work crews. Monitor number of workers and Hrs worked. Contractors to provide ways home for workers that may be too fatigued to drive home. Site to have designated rest areas. Specify and procure fatigue detection equipment where available. Min 12hr break between shifts.		4. Isolation		Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,		SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's		Open		WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP, Managing the risks of plant in the workplace CoP, Hazardous manual tasks CoP.											
Failure of temporary structure		D Unlikely		5 Very Large		10		Structural engineers certification of the temp deck to be completed and all load point to be in design, this is to be communicated to All workers involved with the deck and all trades supervisors. Securing requirements, bracing and fixing details must be verified to be in accordance with an approved design and include suitable structural fixings that account for wind load considerations based on locality.HOLD POINT - PBS pre pour inspection check list to be completed before a pour of any decks are to commence.		3. Engineering		SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,		SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's		Open		WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide .											
Exposure to concrete & Curing compounds		B Likely		2 Small		8		Correct PPE to be worn. SDS to be communicated to All workers involved in the task via TBT or SWMS.		2. Administration		Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,		SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's		Open		WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, First aid in the workplace CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Welding processes CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .											

PBS Project Risk Register



Workplace Location: Rosherville Mosman		Issue Number: 0.1		Issue Date: Review Date		Activity Description		Responsible Contractor		Hazard / Impact (Worst Credible Consequence)		Likelihood		Consequence		Risk Rating		Critical Control Measures		Hierarchy of Control Highest Level Control?		Monitoring Frequency?		Action by whom (Title)		Status		Legal and other requirements	
Word Colour Legend Permits (Purple) Refer to another activity in the PRR (Blue) Input required by the site team (Red)		Acronym SS SM FM CA EHSQ PE/SE		Responsible Positions Sub-Contractor Supervisor Site Manager Foreman Contracts Administrator EHSQ Manager Project Engineer / Site Engineer		Hierarchy of Control 6. Elimination 5. Substitution 4. Isolation 3. Engineering 2. Administration 1. PPE		Control Selections %Controls ≥ Engineering #DIV/0! %Controls < Engineering #DIV/0! 0 0 0 0 0		Reference to PBS document NSW requirement only		Delete Legislation / Codes not applicable to your jurisdiction		28/04/2021 20/06/2021 08/07/2021		New Document Review PRR Inclusion of SM, CM, CA Structural steel lift shaft		Environmental damage from spills and cleaning tools C Possible 1 Very Small 3		Concrete placing boom not to work outside the manufacturers recommendations regards extreme weather I.e. wind speed. If lightning is present in the near sky or immediate sky above then concrete booms must be lowered and persons to remain under cover in lunch sheds until the weather passes. In the event that the weather is extreme heat, then workers should consider rotating shifts or start work earlier or out of peak heat periods of the day. Drink plenty of water and take regular rest breaks in shaded or provided lunch sheds that have air-conditioning. In all types of weather you should always wear the appropriate PPE and extras I.e Sunscreen, Rain coat.....		3. Engineering Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,		SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's		Open		WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Work health and safety consultation, coordination and cooperation CoP. PBS Safety Guide .	
Concrete Inclement weather C Possible 2 Small 6		Risk of Person Falling more than 2m B Likely 4 Large 16		Suitable access must be provided into confined space which does not expose the personnel to a risk of fall. 3 points of contact to be maintained when using ladder. Physical barrier to be installed 2m back from the edge of excavation. Shoring box to be used to provide access and control the risk of fall with handrails and midrails.		3. Engineering SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,		SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's		Open		WHS Act 2011, WHS Regulations 2017, Construction Work COP, How to manage work health and safety risks COP, Work health and safety consultation, coordination and cooperation COP, PBS Safety Guide, Confined spaces COP, Managing the risk of falls at the workplace COP																	
Confined space Is carried out in or near a confined space B Likely 4 Large 16		Confined Space Entry Permit to be issued. Personnel entering confined space & observer both to hold evidence of confined space training. Positive communication to be maintained at all times (I.e UHF radios). Bump test to be conducted on detector to confirm calibration and working order. The confined space then needs to be tested prior to any persons entering the space. Gas Detection to be conducted whilst worker inside confined space. Emergency Procedure to be documented in HR SWMS for the retrieval of injured person. Breathing apparatus (P3) to be worn. No hot works to be conducted within the space.		3. Engineering SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,		SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's		Open		WHS Act 2011, WHS Regulations 2017, Construction Work COP, How to manage work health and safety risks COP, Work health and safety consultation, coordination and cooperation COP, PBS Safety Guide, Confined spaces COP																			

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			Permits	SS	Sub-Contractor Supervisor	6. Elimination	0	%Controls ≥ Engineering	#DIV/0!			
			Refer to another activity in the PRR	SM	Site Manager	5. Substitution	0	%Controls < Engineering	#DIV/0!			
			Input required by the site team	FM	Foreman	4. Isolation	0					
Workplace Location:	Rosherville Mosman			Reference to PBS document	CA	Contracts Administrator	3. Engineering	0				
Issue Number:	0.1			NSW requirement only	EHSQ	EHSQ Manager	2. Administration	0			βCheck formulas in L2-L7 if you add rows to ensure range is correct	
Issue Date: Review Date	28/04/2021 20/06/2021 08/07/2021	New Document Review PRR Inclusion of SM, CM, CA Structural steel lift shaft			PE/SE	Project Engineer / Site Engineer	1. PPE	0			Delete Legislation / Codes not applicable to your jurisdiction	
Activity Description	Responsible Contractor	Hazard / Impact (Worst Credible Consequence)	Likelihood	Consequence	Risk Rating	Critical Control Measures	Hierarchy of Control Highest Level Control?	Monitoring Frequency?	Action by whom (Title)	Status	Legal and other requirements	
Crane (Franna/Mobile/Crawler/Telehandler)		Inground services during crane transit onsite	C Possible	5 Very Large	15	TTMP to be established for crane route onsite so it misses any in-ground services trenching.	2. Administration	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction work CoP, How to manage work health and safety risks CoP, Managing electrical risks in the workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .	
Crane (Franna/Mobile/Crawler/Telehandler)		Plant and People separation	C Possible	4 Large	12	Robust fencing shall be installed from a height of 2m-4m (pedestrian fencing type) used to not allow any unauthorised entry into exclusion zones. Crane out riggers to be protected with concrete jersey curbs or similar to prevent contact with trucks and other vehicles. Pedestrian walkways onsite not to be inside or directed to crane work zone(s). Signage in place to communicate that only authorised workers to be in crane work zone.	4. Isolation	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . .	
Crane (Franna/Mobile/Crawler/Telehandler)		Crane & equipment failure	C Possible	5 Very Large	15	All lifting equipment must be in good condition and regularly serviced as per manufacturers specs(i.e. Spreader bars, chains, synthetic slings, clutches). Robust fencing shall be installed from a height of 2m-4m (pedestrian fencing type). Crane to work lower than 95% capacity. Set up in areas that are approved by the PBS Site Manager. Pre-start to be conducted on Crane before use. Crane to be less than 20yrs old and a 10yr structural inspection completed. Lift study for any loads over 20tonne or when expecting to use crane over 95% capacity. Do not operate crane in adverse weather conditions which may effect the load or crane. Crane maintenance to be up to date and any repairs to be done prior to lifting.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . .	
Crane (Franna/Mobile/Crawler/Telehandler)		Crushing a person or property while performing pick and carry tasks with Franna/Telehandler	D Unlikely	4 Large	8	Dogman/spotter to control the load using a tag line. Clear and precise commands (ie two way radios, hand signals or whistle blasts) to be used when communicating with the operator. Stop the Franna/Telehandler movements and use clear communication when dealing with pedestrians and other plant. Operator to obey any and all directions issued by the dogman/spotter.	3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . .	
Demolition		Potential for building to have Hazardous materials	E Rare	2 Small	2	Delapidation survey to be conducted before demolition is to commence. All findings to have controls if Haz materials are to be found inside building.	2. Administration	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, First aid in the workplace CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, . Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .	

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			Input required by the site team	FM	Foreman	4. Isolation	0				
Workplace Location:	Rosherville Mosman			Reference to PBS document	CA	Contracts Administrator	3. Engineering	0			
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Issue Date: Review Date	28/04/2021 20/06/2021 08/07/2021	New Document Review PRR Inclusion of SM, CM, CA Structural steel lift shaft			PE/SE	Project Engineer / Site Engineer	1. PPE	0		Delete Legislation / Codes not applicable to your jurisdiction	
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Demolition		Contact with in-ground services	D Unlikely	4 Large	8	Sucker truck to be used to pot hole every 5m a known services, this will identify the service and the direction that it is going. PBS Excavation permit to be in place before any in-ground works begin. No use of an excavator within 1m of a service unless dispensation has been given by the PBS Regional EHS Manager. HRSWMS to be in place for the task. All in-ground services are to be located using DBYD, Energise or isolate permit may be necessary depending on the task, HRSWMS needed, identify the risks, hold points, testing procedures and identify Plant needed for reducing the risks etc.	4. Isolation	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction work CoP, How to manage work health and safety risks CoP, Excavation work CoP, Managing electrical risks in the workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
Demolition		fall of materials from height	C Possible	3 Medium	9	HRSWMS in place for any High Risk Construction works. Correct PPE to be worn when handling materials.VOC for Plant use. Keep EWP clean and clear of any excess materials. The Catch or Capture philosophy must be employed as the primary control so that the intent of PBS Safety Guide is Plant induction and measures are taken to prevent the fall or reduce the distance of the fall. Lanyards/tethers must be used on all tools or equipment. Robust exclusion zones must be on place as a secondary control measure below areas where a risk of fall of materials/tools exists; these exclusion zones must account for potential arc of fall, deflection and bounce. Boom EWPs need to have mesh flooring so th ground is visible below operators feet. Robust fencing shall be installed from a height of 2m-4m (pedestrian fencing type).	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide .
Demolition		Failure of plant	C Possible	4 Large	12	Excavators / Bobcats and the like. must be correctly maintained and be in good condition for use onsite. All repairs must be attended to before the plant can be used onsite also. All lifting gear - Chains and slings must be approved by a competent person. Synthetic slings need to be checked 3 monthly and chains are to be tested yearly, both having a visual inspection before each use.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide .
Demolition		Dust inhalation	C Possible	3 Medium	9	Correct PPE to be worn. Works to be completed in a ventilated area and consider the use of fans if needed. SDS to be communicated to All workers involved in the task via TBT or SWMS.	2. Administration	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, First aid in the workplace CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Welding processes CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
Demolition		Cuts and Lacerations	C Possible	3 Medium	9	All guards to be fitted to power tools, Leads/tools to be test n tagged 3 monthly and any RCD to be test n tagged monthly. Wear the correct PPE for use of power tool and hand tools I.e. Stanley Knives. Use retractable stanley knives.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.

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Rosherville Mosman		0.1		28/04/2021 20/06/2021 08/07/2021		New Document Review PRR Inclusion of SM, CM, CA Structural steel lift shaft																
Responsible Contractor		Hazard / Impact (Worst Credible Consequence)		Likelihood	Consequence	Risk Rating	Critical Control Measures		Hierarchy of Control Highest Level Control?	Monitoring Frequency?	Action by whom (Title)	Status	Legal and other requirements									
Doors (Secure) and Hardware		Dust inhalation		C Possible	3 Medium	9	Correct PPE to be worn. Works to be completed in a ventilated area and consider the use of fans if needed. SDS to be communicated to All workers involved in the task via TBT or SWMS.		2. Administration	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, First aid in the workplace CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Welding processes CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .									
Doors (Secure) and Hardware		Fire and explosion with associated grinding works		C Possible	3 Medium	9	Hot works permit valid for activity. Area to be clear of any combustible material. Fire fighting equipment to be in date and in the vicinity of the refuelling activity. Haz goods to be stored correctly onsite and in ventilated areas. Correct PPE must be worn including a face shield as well as the appropriate gloves. No cotton clothing to be worn during cutting activities as they are highly flammable.		3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, First aid in the workplace CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Welding processes CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .									
Doors (Secure) and Hardware		entanglement from the cement mixer		D Unlikely	2 Small	4	All guards to be fitted to Mixer engine, Leads to be hung in a position so as not be able to entangle in the movement of the mixer. Mixer to be set up on stable ground. Wear the correct PPE for use of the mixer and don't have any loose clothing on, RCD Protection from power outlet to be installed and tagged monthly.		3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.									
Doors (Secure) and Hardware		Electric shock		C Possible	4 Large	12	HRSWMS to be in place for the task. All inground services are to be located using DBYD, All inground services that are within 1m of the direct work area are to be isolated(as per excavation permit), excavation permit / Energise or isolate permit may be necessary depending on the task, Aluminium ladders to be used , correct PPE. HOLD POINT - Contractor needs approval to energise, by the PBS Site Manager. Live temporary electrical cabling must be identified with yellow tag tape every 3m, where cabling is accessible. Competent Persons must carry out electrical inspection, testing and tagging of RCD's Monthly and leads 3 monthly. All temporary electricity provided to socket (general purpose) outlets must be protected by a Residual Current Device. Isolate live cables where possible, All contractors shall produce HRSWMS , identify the risks , hold points, testing procedures and identify Plant needed for reducing the risks etc. Drilling & cutting. Any works requiring drilling or cutting into areas , materials or structures that MAY contain live electrical shall be thoroughly investigated prior to works. An electrician is required to sign off prior to drilling /cutting within 2m of any alignment of GPO or electrical fitting, light switch. Electrical apprentices and trades assistants must work under the supervision of a licenced electrician at all times.All electrical work (other than inspection and testing of portable equipment) must be carried out by a licenced electrician & each electrician must verify their licence before they commence electrical works. Calibration of all testing equipment must be carried out at a minimum yearly. Cordless tools are encouraged to be used before power tools. Every cable end (I.e. awaiting termination) must be folded over itself and taped to prevent eye damage and electric shock(in the event of inadvertent energisation).		4. Isolation	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction work CoP, How to manage work health and safety risks CoP, Managing electrical risks in the workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation CoP. PBS Safety Guide .									

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Responsible Contractor	Hazard / Impact (Worst Credible Consequence)	Likelihood	Consequence	Risk Rating	Critical Control Measures	Hierarchy of Control Highest Level Control?	Monitoring Frequency?	Action by whom (Title)	Status	Legal and other requirements							
Rosherville Mosman		0.1		28/04/2021 20/06/2021 08/07/2021		New Document Review PRR Inclusion of SM, CM, CA Structural steel lift shaft		Sub-Contractor Supervisor		6. Elimination 0		%Controls ≥ Engineering #DIV/0!					
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								Foreman		4. Isolation 0							
								Contracts Administrator		3. Engineering 0							
								EHSQ Manager		2. Administration 0		βCheck formulas in L2-L7 if you add rows to ensure range is correct					
								Project Engineer / Site Engineer		1. PPE 0				Delete Legislation / Codes not applicable to your jurisdiction			
Doors (Secure) and Hardware		Falls of Person from EWP.		C Possible 4 Large 12		HRSWMS in place, Plant induction tag to be issued before use. Emergency rescue procedures to be developed and signed into by any workers undertaking a task from an EWP. Correct use of EWP's. Exclusion zones to be in place for any working platform 2m or above. High risk licence or VOC required for the use of booms over the 11m capacity. All works undertaken in accordance with the manufacturers instructions. SWL observed. EWP to be used on level ground. When travelling horizontally the bucket/working platform is to be lowered. All workers to be harnessed to EWP as required by manufacturer. Personnel trained and competent including HRWL for MEWP. Remain clear of edge of structure and adhere to exclusion zones where established and no screening protection provided. No standing on top rails or mid-rails to access work areas, access control bump bar to be fitted to all EWP's as per PBS Alert. Harness to be securely anchored to fixture provided inside EWP.		3. Engineering		SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,		SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's		Open		WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide, . .	
Doors (Secure) and Hardware		Falls of Materials from EWP		C Possible 3 Medium 9		HRSWMS in place, Plant induction tag to be issued before use. Emergency rescue procedures to be developed and signed into by any workers undertaking a task from an EWP. Correct use of EWP's. Exclusion zones to be in place for any working platform 2m or above. High risk licence or VOC required for the use of booms over the 11m capacity. All works undertaken in accordance with the manufacturers instructions. SWL observed. EWP to be used on level ground. When travelling horizontally the bucket/working platform is to be lowered. All workers to be harnessed to EWP as required by manufacturer. Personnel trained and competent including HRWL for MEWP. Remain clear of edge of structure and adhere to exclusion zones where established and no screening protection provided. No standing on top rails or mid-rails to access work areas, access control bump bar to be fitted to all EWP's as per PBS Alert. Harness to be securely anchored to fixture provided inside EWP.		3. Engineering		SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,		SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's		Open		WHS ACT 2011, WHS Reg's 2017, Construction work CoP, Excavation work CoP, Hazardous manual tasks CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing electrical risks in the workplace CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation CoP.	
Electrical		In-ground services strike		C Possible 4 Large 12		Sucker truck to be used to pot hole every 5m a known services, this will identify the service and the direction that it is going. PBS Excavation permit to be in place before any in-ground works begin. No use of an excavator within 1m of a service unless dispensation has been given by the PBS Regional EHS Manager.		4. Isolation		SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,		SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's		Open		WHS ACT 2011, WHS Reg's 2017, Construction work CoP, Excavation work CoP, Hazardous manual tasks CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing electrical risks in the workplace CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation CoP.	
Electrical		Unexpected finds		E Rare 2 Small 2		PBS site specific Unexpected finds protocol to be followed		4. Isolation		Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,		SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's		Open		WHS ACT 2011, WHS Reg's 2017, Construction work CoP, Excavation work CoP, Hazardous manual tasks CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing electrical risks in the workplace CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation CoP.	
Electrical		person hit by Excavator/Plant		C Possible 4 Large 12		Spotter to have positive communication with excavator operator during the task. Workers to stay outside the swing zone of the excavator. Exclusion zone around the excavation/ excavator to stop any unauthorised entry by other workers on the site. Hand signals or UHF radios to be used as positive communications. Workers to remain out of blind spots of any plant that may be delivering materials to site and spotter to guide any plant to final delivery position. Dogman to remain visible when guiding the delivery or installation of loads and to use positive comms.		3. Engineering		SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,		SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's		Open		WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide, . .	

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Issue Number:	0.1			NSW requirement only	EHSQ	EHSQ Manager		2. Administration	0		Delete Legislation / Codes not applicable to your jurisdiction
Issue Date: Review Date	28/04/2021 20/06/2021 08/07/2021	New Document Review PRR Inclusion of SM, CM, CA Structural steel lift shaft			PE/SE	Project Engineer / Site Engineer		1. PPE	0	βCheck formulas in L2-L7 if you add rows to ensure range is correct	
Activity Description	Responsible Contractor	Hazard / Impact (Worst Credible Consequence)	Likelihood	Consequence	Risk Rating	Critical Control Measures	Hierarchy of Control Highest Level Control?	Monitoring Frequency?	Action by whom (Title)	Status	Legal and other requirements
Electrical		Plant and People separation	C Possible	4 Large	12	Spotter to have positive communication with excavator operator during the task. Workers to stay outside the swing zone of the excavator. Exclusion zone around the excavation/ excavator to stop any unauthorised entry by other workers on the site. Hand signals or UHF radios to be used as positive communications. Workers to remain out of blind spots of any plant that may be delivering materials to site and spotter to guide any plant to final delivery position. Dogman to remain visible when guiding the delivery or installation of loads and to use positive comms.	4. Isolation	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . .
Electrical		roll over of excavator	D Unlikely	4 Large	8	Excavator is not to be set up inside the "Zone of Influence". ROPS / FOPS to be installed on All plant including but not limited to Grader, Roller, Skid Steer. Do not exceed the SWL of machine. Ensure lifting gear is test and tagged as ready for use by a competent person.	3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . .
Electrical		fall of persons in to excavations	D Unlikely	2 Small	4	Flagging installed with signage 2m back from trenching. For Pit excavations over 1.5 - robust fencing to be installed and signage stating "Deep Excavation" and "Authorised persons only". Excavations over 1.5 to be benched, batter or shored. Safe means of access to be provided	3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.
Electrical		Loss of load by lifting activities	D Unlikely	5 Very Large	10	All lifting equipment must be in good condition and regularly serviced as per manufacturers specs(i.e. Spreader bars, chains, synthetic slings, clutches). Robust fencing shall be installed from a height of 2m-4m (pedestrian fencing type) to not allow any unauthorised entry into exclusion zones. Crane to work lower than 95% capacity. Set up in areas that are approved by the PBS Site Manager. Pre-start to be conducted on Crane before use. Crane to be less than 20yrs old and a 10yr structural inspection completed. When expecting to use crane over 95% capacity a Lift study is to be completed. Do not operate crane in adverse weather conditions which may effect the load or crane. Crane maintenance to be up to date and any repairs to be done prior to lifting. When using excavator as a crane, SWL not be exceeded and All lifting gear to be inspected and approved for use. All loads to be secured when moving around the site via telehandler.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . . PBSSliding and Lifting Guidelines
Electrical		dust and glue inhalation	C Possible	3 Medium	9	Correct PPE to be worn. Works to be completed in a ventilated area and consider the use of fans if needed. SDS to be communicated to All workers involved in the task via TBT or SWMS.	2. Administration	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, First aid in the workplace CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Welding processes CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
Electrical		Cuts and Lacerations	C Possible	3 Medium	9	All guards to be fitted to power tools, Leads/tools to be test n tagged 3 monthly and any RCD to be test n tagged monthly. Wear the correct PPE for use of power tool and hand tools i.e. Stanley Knives. Use retractable stanley knives.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.

PBS Project Risk Register



Word Colour Legend		Acronym	Responsible Positions		Hierarchy of Control		Control Selections				
	Permits	SS	Sub-Contractor Supervisor		6. Elimination	0	%Controls ≥ Engineering	#DIV/0!			
	Refer to another activity in the PRR	SM	Site Manager		5. Substitution	0	%Controls < Engineering	#DIV/0!			
	Input required by the site team	FM	Foreman		4. Isolation	0	βCheck formulas in L2-L7 if you add rows to ensure range is correct				
	Reference to PBS document	CA	Contracts Administrator		3. Engineering	0					
	NSW requirement only	EHSQ	EHSQ Manager		2. Administration	0					
Workplace Location:	Rosherville Mosman				1. PPE	0					
Issue Number:	0.1										
Issue Date: Review Date	28/04/2021 20/06/2021 08/07/2021	New Document Review PRR Inclusion of SM, CM, CA Structural steel lift shaft									
Activity Description	Responsible Contractor	Hazard / Impact (Worst Credible Consequence)	Likelihood	Consequence	Risk Rating	Critical Control Measures	Hierarchy of Control Highest Level Control?	Monitoring Frequency?	Action by whom (Title)	Status	Legal and other requirements
Electrical		Engulfment and inhalation of hazardous chemicals /toxins in a Confined Space	C Possible	5 Very Large	15	Confined space permit to be aquired from PBS and is only valid for one shift. all work inside a confined space is only to be conducted by personnel who are trained to do so, including atmospheric monitoring, use of safety equipment and rescue procedures. Confined space entry and exist to be secured. Confined space needs to be ventilated to normal atmospheric pressure/quality before anyone can enter the confined space. All measuring equipment must have a current calibration certificate. All services that need to be isolated are to be done prior to any workers entering the space as per the PBS Confined space permit.	4. Isolation	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Confined spaces CoP, Construction work CoP, How to manage work health and safety risks CoP, Managing risks of hazardous chemicals in the workplace CoP, Labelling of workplace hazardous chemicals CoP, Managing the risks of falls at workplace CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide and .
Electrical		Environmental damage from spills	D Unlikely	1 Very Small	2	All trows, tools and equipment to be washed out in a protected and designated wash out area. Concrete pump to blow out in plastic lined bin.Hand tools to be washed out in designated wash out area. All off cuts and construction rubbish to be put into the correct PBS bins only. Ensure that all activities where land is cleared, excavated or disturbed have sediment and erosion control devices implemented and maintained. Provide on-site treatment of any stormwater runoff where required. Determine preventative controls as well as physical controls such as covering of stockpiles or water spraying to eliminate or minimise dust being introduced into the atmosphere. Assess and implement mitigation measures for all noise and vibration related impacts on occupants , visitors, surrounding activities and owners where required to ensure operations do not adversely impact them. Plan and conduct all excavation, movement, treatment, processing or remediation of contaminated soils or groundwater in accordance with the requirements of high risk activities.	3. Engineering	Permits, Pre-starts, TBT's, Plans/Drawings, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
Electrical		Manual handling issue when pulling cables through conduits and along cable trays	D Unlikely	3 Medium	6	Identified control measures must follow the Hierarchy of Control commencing with elimination of the high risk manual task where reasonably practicable; followed by the use of mechanical aids to reduce risks related to manual tasks. Ensure you keep the load close to the chest and bend your knees to pick up the load and lift with your legs with your back straight. bend the knees to lower the load then release the load to final position without over extending the back.	3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Managing the risks of falls at workplace CoP.
Electrical		Person falling from EWP	C Possible	4 Large	12	HRSWMS in place for any High Risk Construction works. Correct PPE to be worn when handling materials.VOC for Plant use. Keep EWP clean and clear of any excess materials. The Catch or Capture philosophy must be employed as the primary control to prevent the fall or reduce the distance of the fall. Lanyards/lethers must be used on all tools or equipment. Robust exclusion zones must be on place as a secondary control measure below areas where a risk of fall of materials/tools exists; these exclusion zones must account for potential arc of fall, deflection and bounce. Boom EWPs need to have mesh flooring so the ground is visible below operators feet. Robust fencing shall be installed from a height of 2m-4m (pedestrian fencing type).	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . .
Electrical		Falls of Materials from EWP	C Possible	3 Medium	9	HRSWMS in place , Plant induction tag to be issued before use. Emergency rescue procedures to be developed and signed into by any workers undertaking a task from an EWP. Correct use of EWP's. Exclusion zones to be in place for any working platform 2m or above High risk licence or VOC required for the use of booms over the 11m capacity. All works undertaken in accordance with the manufacturers instructions. SWL observed. EWP to be used on level ground. When travelling horizontally the bucket/working platform is to be lowered. All workers to be harnessed to EWP as required by manufacturer. Personnel trained and competent including HRWL for MEWP. Remain clear of edge of structure and adhere to exclusion zones where established and no screening protection provided. No standing on top rails or mid-rails to access work areas, access control bump bar to be fitted to all EWP's as per PBS Alert. Harness to be securely anchored to fixture provided inside EWP.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide .

PBS Project Risk Register



Word Colour Legend		Acronym	Responsible Positions		Hierarchy of Control		Control Selections				
Permits		SS	Sub-Contractor Supervisor		6. Elimination	0	%Controls ≥ Engineering	#DIV/0!			
Refer to another activity in the PRR		SM	Site Manager		5. Substitution	0	%Controls < Engineering	#DIV/0!			
Input required by the site team		FM	Foreman		4. Isolation	0	βCheck formulas in L2-L7 if you add rows to ensure range is correct				
Reference to PBS document		CA	Contracts Administrator		3. Engineering	0					
NSW requirement only		EHSQ	EHSQ Manager		2. Administration	0					
Workplace Location:	Rosherville Mosman										
Issue Number:	0.1										
Issue Date: Review Date	28/04/2021 20/06/2021 08/07/2021	New Document Review PRR Inclusion of SM, CM, CA Structural steel lift shaft			PE/SE	Project Engineer / Site Engineer		1. PPE	0	Delete Legislation / Codes not applicable to your jurisdiction	
Activity Description	Responsible Contractor	Hazard / Impact (Worst Credible Consequence)	Likelihood	Consequence	Risk Rating	Critical Control Measures	Hierarchy of Control Highest Level Control?	Monitoring Frequency?	Action by whom (Title)		Status
Electrical		Falls from Ladders	C Possible	3 Medium	9	Platform ladders to be used in the first instance and step ladders can only be used for 15min durations for short spans of works. 3 points of contact at all times. Ladder to be stepped back from any edges of a building at least 3m or 1:1 rafter if a full edge screen has been installed.	2. Administration	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide .
Electrical		Materials falling from a ladder	C Possible	2 Small	6	Platform ladders to be used in the first instance and step ladders can only be used for 15min durations for short spans of works. 3 points of contact at all times. Ladder to be stepped back from any edges of a building at least 3m or 1:1 rafter if a full edge screen has been installed. Robust exclusion zones must be on place as a secondary control measure below areas where a risk of fall of materials/tools exists; these exclusion zones must account for potential arc of fall, deflection and bounce. Robust fencing shall be installed from a height of 2m-4m (pedestrian fencing type) to not allow any unauthorised entry into exclusion zones.	3. Engineering	Permits, Pre-starts, TBT's, Plans/Drawings, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide .
Electrical		contact with live services in walls / ceilings	C Possible	4 Large	12	HRSWMS to be in place for the task. Energise or isolate permit may be necessary depending on the task, Aluminium ladders to be used, correct PPE. HOLD POINT - Contractor needs approval to energise, by the PBS Supervisor. Live temporary electrical cabling must be identified with yellow tag tape every 3m. All temporary electricity provided to socket (general purpose) outlets must be protected by a Residual Current Device. Isolate live cables where possible, Any works requiring drilling or cutting into areas, materials or structures that MAY contain live electrical shall be thoroughly investigated prior to works. An electrician is required to sign off prior to drilling /cutting within 2m of any alignment of GPO or electrical fitting, light switch. Every cable end (i.e. awaiting termination) must be folded over itself and taped to prevent eye damage and electric shock(in the event of inadvertent energisation).	4. Isolation	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction work CoP, How to manage work health and safety risks CoP, Managing electrical risks in the workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation CoP. PBS Safety Guide .
Electrical		electrocution from commissioning works	C Possible	4 Large	12	HRSWMS to be in place for the task. All inground services are to be located using DBYD, All inground services that are within 1m of the direct work area are to be isolated(as per excavation permit), excavation permit / Energise or isolate permit may be necessary depending on the task, Aluminium ladders to be used, correct PPE. HOLD POINT - Contractor needs approval to energise, by the PBS Site Manager. Live temporary electrical cabling must be identified with yellow tag tape every 3m, where cabling is accessible. Competent Persons must carry out electrical inspection, testing and tagging of RCD's Monthly and leads 3 monthly. All temporary electricity provided to socket (general purpose) outlets must be protected by a Residual Current Device. Isolate live cables where possible, All contractors shall produce HRSWMS, identify the risks, hold points, testing procedures and identify Plant needed for reducing the risks etc. Drilling & cutting. Any works requiring drilling or cutting into areas, materials or structures that MAY contain live electrical shall be thoroughly investigated prior to works. An electrician is required to sign off prior to drilling /cutting within 2m of any alignment of GPO or electrical fitting, light switch. Electrical apprentices and trades assistants must work under the supervision of a licenced electrician at all times. All electrical work (other than inspection and testing of portable equipment) must be carried out by a licenced electrician & each electrician must verify their licence before they commence electrical works. Calibration of all testing equipment must be carried out at a minimum yearly. Cordless tools are encouraged to be used before power tools. Every cable end (i.e. awaiting termination) must be folded over itself and taped to prevent eye damage and electric shock(in the event of inadvertent energisation).	4. Isolation	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction work CoP, How to manage work health and safety risks CoP, Managing electrical risks in the workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation CoP. PBS Safety Guide .

PBS Project Risk Register



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							%Controls ≥ Engineering	#DIV/0!			
	Permits	SS	Sub-Contractor Supervisor		6. Elimination	0	%Controls ≥ Engineering	#DIV/0!			
	Refer to another activity in the PRR	SM	Site Manager		5. Substitution	0	%Controls < Engineering	#DIV/0!			
	Input required by the site team	FM	Foreman		4. Isolation	0					
Workplace Location:	Rosherville Mosman	CA	Contracts Administrator		3. Engineering	0					
Issue Number:	0.1	EHSQ	EHSQ Manager		2. Administration	0			βCheck formulas in L2-L7 if you add rows to ensure range is correct		
Issue Date: Review Date	28/04/2021 20/06/2021 08/07/2021	New Document Review PRR Inclusion of SM, CM, CA Structural steel lift shaft	PE/SE	Project Engineer / Site Engineer		1. PPE	0			Delete Legislation / Codes not applicable to your jurisdiction	
Activity Description	Responsible Contractor	Hazard / Impact (Worst Credible Consequence)	Likelihood	Consequence	Risk Rating	Critical Control Measures	Hierarchy of Control Highest Level Control?	Monitoring Frequency?	Action by whom (Title)	Status	Legal and other requirements
Emergency planning		Fail to implement adequate procedures	C Possible	3 Medium	12	Fire extinguisher to be located at every exit point and/or every 500 square metres. Nurse Call point to be located every 500 square metres. Spill Kits to be located at all designated refuelling areas and hazardous chemicals / dangerous goods storage areas. Contractors are to provide their own spill kit relevant for their own, refuelling or other, activities.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction work CoP, How to manage work health and safety risks CoP, Managing electrical risks in the workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
Environmental assessment		Environmental Contamination from Spill of Hazardous Chemicals/Substances / Water	C Possible	4 Large	12	Install approved controls prior to commencing excavation works. Contractors to ensure all erosion & sediment controls are fully re-instated before leaving site. Monitor external site boundaries and environmental controls using "EHS Site Assessment Checklist".	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction work CoP, How to manage work health and safety risks CoP, Managing electrical risks in the workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
Facade		Falls of Person from EWP.	C Possible	4 Large	12	HRSWMS in place , Plant induction tag to be issued before use. Emergency rescue procedures to be developed and signed into by any workers undertaking a task from an EWP. Correct use of EWP's, Exclusion zones to be in place for any working platform 2m or above High risk licence or VOC required for the use of booms over the 11m capacity. All works undertaken in accordance with the manufacturers instructions. SWL observed. EWP to be used on level ground. When travelling horizontally the bucket/working platform is to be lowered. All workers to be harnessed to EWP as required by manufacturer. Personnel trained and competent including HRWL for MEWP. Remain clear of edge of structure and adhere to exclusion zones where established and no screening protection provided. No standing on top rails or mid-rails to access work areas, access control bump bar to be fitted to all EWP's as per PBS Alert. Harness to be securely anchored to fixture provided inside EWP.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . .
Facade		fall of Materials/tools from height	C Possible	3 Medium	9	HRSWMS in place for any High Risk Construction works. Correct PPE to be worn when handling materials.VOC for Plant use. Keep EWP clean and clear of any excess materials. The Catch or Capture philosophy must be employed as the primary control so that the intent of PBS Safety Guide is Plant induction and measures are taken to prevent the fall or reduce the distance of the fall. Lanyards/anchors must be used on all tools or equipment. Robust exclusion zones must be on place as a secondary control measure below areas where a risk of fall of materials/tools exists; these exclusion zones must account for potential arc of fall, deflection and bounce. Boom EWPs need to have mesh flooring so th ground is visible below operators feet. Robust fencing shall be installed from a height of 2m-4m (pedestrian fencing type).	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide .
Facade		fall of person through facade opening	D Unlikely	4 Large	8	HRSWMS in place for any High Risk Construction works. Correct PPE to be worn when handling materials.VOC for Plant use. Keep EWP clean and clear of any excess materials. The Catch or Capture philosophy must be employed as the primary control so to prevent the fall or reduce the distance of the fall. Lanyards/anchors must be used on all tools or equipment. Robust exclusion zones must be on place as a secondary control measure below areas where a risk of fall of materials/tools exists; these exclusion zones must account for potential arc of fall, deflection and bounce. Robust fencing shall be installed from a height of 2m-4m (pedestrian fencing type).	3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . .
Facade		Cuts and Lacerations	C Possible	3 Medium	9	All guards to be fitted to power tools, Leads/tools to be test n tagged 3 monthly and any RCD to be test n tagged monthly. Wear the correct PPE for use of power tool and hand tools I.e. Stanley Knives. Use retractable stanley knives.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.

PBS Project Risk Register



Workplace Location: Rosherville Mosman		Issue Number: 0.1		Issue Date: Review Date 28/04/2021 20/06/2021 08/07/2021		New Document Review PRR Inclusion of SM, CM, CA Structural steel lift shaft		Delete Legislation / Codes not applicable to your jurisdiction			
Activity Description	Responsible Contractor	Hazard / Impact (Worst Credible Consequence)	Likelihood	Consequence	Risk Rating	Critical Control Measures	Hierarchy of Control Highest Level Control?	Monitoring Frequency?	Action by whom (Title)	Status	Legal and other requirements
Facade		Plant collision from other plant or person	D Unlikely	4 Large	8	Dogman/spotter to control the load using a tag line. Clear and precise commands (ie two way radios,hand signals or whistle blasts) to be used when communicating with the operator. Robust fencing shall be installed from a height of 2m-4m (pedestrian fencing type).	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . .
Facade		Fire or explosion from using bonding/cleaning products	C Possible	3 Medium	9	Fire fighting equipment to be in date and in the vicinity of the hazardous materials that being used in case of accidental ignition. Haz goods to be stored correctly onsite and in ventilated areas. All personnel using chemicals to be inducted into the SWMS which are to include any controls as per the SDS for the specific product. Contractor to provide Lockable Bunded storage for their Hazardous storage	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, First aid in the workplace CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Welding processes CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
Fencing		Contact with in-ground services	C Possible	4 Large	12	Sucker truck to be used to pot hole every 5m a known services, this will identify the service and the direction that it is going. PBS Excavation permit to be in place before any in-ground works begin. No use of an excavator within 1m of a service unless dispensation has been given by the PBS Regional EHS Manager. HRSWMS to be in place for the task. All inground services are to be located using DBYD, Energise or isolate permit may be necessary depending on the task, HRSWMS needed , identify the risks , hold points, testing procedures and identify Plant needed for reducing the risks etc .	4. Isolation	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction work CoP, How to manage work health and safety risks CoP, Excavation work CoP, Managing electrical risks in the workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
Fencing		Falls from height into pier holes	C Possible	4 Large	12	Pier holes to be protected by a robust and certified handrail system. A certified mesh cover is to also be pinned down over the pier hole inside the fencing. Pier hole methodology to be approved by PBS.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, First aid in the workplace CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Welding processes CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
Fencing		hit by mobile plant (Concrete truck/Excavator)	C Possible	4 Large	12	Spotter to be in place and have positive communication with excavator operator during the task. Workers to stay outside the swing zone of the excavator. Exclusion zone around the excavation/ excavator to stop any unauthorised entry by other workers on the site. Spotter to direct the concrete truck driver to the delivery point and back them onto the post hole that is to be filled. Spotter to remain beside the truck in the sight line of the mirrors of the truck and not directly behind the truck. hand signals to be used and positive voice communications.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . .

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Workplace Location:		Issue Number:		Issue Date: Review Date		Activity Description		Responsible Contractor		Hazard / Impact (Worst Credible Consequence)		Likelihood	Consequence	Risk Rating	Critical Control Measures		Hierarchy of Control Highest Level Control?	Monitoring Frequency?	Action by whom (Title)	Status	Legal and other requirements
Rosherville Mosman		0.1		28/04/2021 20/06/2021 08/07/2021		New Document Review PRR Inclusion of SM, CM, CA Structural steel lift shaft				Loss of load by the telehandler / Franna		C Possible	4 Large	12	All lifting equipment must be in good condition and regularly serviced as per manufacturers specs (i.e. Spreader bars, chains, synthetic slings, clutches). Robust fencing shall be installed from a height of 2m-4m (pedestrian fencing type) to not allow any unauthorised entry into exclusion zones. Crane to work lower than 95% capacity. Set up in areas that are approved by the PBS Site Manager. Pre-start to be conducted on Crane before use. Crane to be less than 20yrs old and a 10yr structural inspection completed. When expecting to use crane over 95% capacity a Lift study is to be completed. Do not operate crane in adverse weather conditions which may effect the load or crane. Crane maintenance to be up to date and any repairs to be done prior to lifting. When using excavator as a crane, SWL not be exceeded and All lifting gear to be inspected and approved for use. All loads to be secured when moving around the site via telehandler.		3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . .
						Failure of concrete pump					D Unlikely	3 Medium	6	Before accessing work areas on the site, operators are to establish a route for safe access and set-up. Considerations of service trenches and penetrations should be taken into account. Xrays are to be conducted on a monthly basis and records given to PBS to ensure that pipe thickness does not deteriorate below the minimum density of 2mm of wall thickness in the concrete piping.		3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . .	
						Person falling from EWP					C Possible	4 Large	12	HRSWMS in place for any High Risk Construction works. Correct PPE to be worn when handling materials.VOC for Plant use. Keep EWP clean and clear of any excess materials. The Catch or Capture philosophy must be employed as the primary control to prevent the fall or reduce the distance of the fall. Lanyards/teethers must be used on all tools or equipment. Robust exclusion zones must be on place as a secondary control measure below areas where a risk of fall of materials/tools exists; these exclusion zones must account for potential arc of fall, deflection and bounce. Boom EWPs need to have mesh flooring so the ground is visible below operators feet. Robust fencing shall be installed from a height of 2m-4m (pedestrian fencing type).		3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . .	
						fall of materials / tools from an EWP					C Possible	3 Medium	9	HRSWMS in place for any High Risk Construction works. Correct PPE to be worn when handling materials.VOC for Plant use. Keep EWP clean and clear of any excess materials. The Catch or Capture philosophy must be employed as the primary control to prevent the fall or reduce the distance of the fall. Lanyards/teethers must be used on all tools or equipment. Robust exclusion zones must be on place as a secondary control measure below areas where a risk of fall of materials/tools exists; these exclusion zones must account for potential arc of fall, deflection and bounce. Boom EWPs need to have mesh flooring so the ground is visible below operators feet. Robust fencing shall be installed from a height of 2m-4m (pedestrian fencing type).		3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . .	
						roll over of Telehandler					C Possible	4 Large	12	Licenced operator to drive machine only. Telehandler to not be driven within the 'Zone of Influence' of any trenching or excavation works onsite. A designated route for the site to be communicated to all operators which is to be located on the site Notice Board. Operator to achieve confirmation that it is ok to set up outriggers in various locations across the project along the intended fence line location. Telehandler should not be used outside of it Safe working limits as will be identified on the machine & in the operators manual. Lock out tag out procedure to be implemented if machine is faulty until all repairs are made.		4. Isolation	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . .	
						Failure of temp props					D Unlikely	3 Medium	6	Inspection on props/timber used Install props as per manufacturers requirements. Correct bolts to be used to secure props. all temporary works must be designed by a qualified, competent and registered engineer. In Addition, a robust exclusion zone that takes account for potential arc of fall, deflection and bounce distances and has warning signs displayed must be implemented to prevent access by other workers adjacent to, or behind the fence installation activity. Fence panels must not be erected in adverse weather conditions.		3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage and control asbestos in the workplace CoP, How to manage work health and safety risks CoP, How to safely remove asbestos CoP.	

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Workplace Location: Rosherville Mosman		Issue Number: 0.1		Issue Date: Review Date 28/04/2021 20/06/2021 08/07/2021		New Document Review PRR Inclusion of SM, CM, CA Structural steel lift shaft		Delete Legislation / Codes not applicable to your jurisdiction			
Activity Description	Responsible Contractor	Hazard / Impact (Worst Credible Consequence)	Likelihood	Consequence	Risk Rating	Critical Control Measures	Hierarchy of Control Highest Level Control?	Monitoring Frequency?	Action by whom (Title)	Status	Legal and other requirements
Fencing		burns/ flash burn from welding panels together	C Possible	3 Medium	9	Hot works permit valid for activity. Area to be clear of any combustible material. Test n tag of welder. Competent person to use welder. Fire fighting equipment to be in date and in the vicinity of the hot works. Robust fencing shall be installed from a height of 2m-4m (pedestrian fencing type). Correct PPE to be worn during the activity.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, First aid in the workplace CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Welding processes CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
Fencing		Inhalation of gasses and fumes from welding	C Possible	3 Medium	9	Correct PPE to be worn. Works to be completed in a ventilated area and consider the use of fans if needed. SDS to be communicated to All workers involved in the task via TBT or SWMS.	2. Administration	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, First aid in the workplace CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Welding processes CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
Fencing		Cuts and lacerations from razor wire	C Possible	2 Small	6	Wear the Correct PPE. Use mechanical devices to move rolls around, use team lifting and no lone working.	1. PPE	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.
Fencing		Fire and Explosion when refuelling plant & equipment	C Possible	3 Medium	9	Hot works permit valid for activity if necessary. Area to be clear of any combustible material. Fire fighting equipment to be in date and in the vicinity of the refuelling activity. Haz goods to be stored correctly onsite and in ventilated areas. All personnel using chemicals to be inducted into the SWMS which are to include any controls as per the SDS for the specific product. All Jerry cans used must be returned to the Haz storage and secured, they are not to be left out onsite. Refuelling to be undertaken in identified locations away from other ignition sources.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, First aid in the workplace CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Welding processes CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .

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Word Colour Legend		Acronym	Responsible Positions		Hierarchy of Control		Control Selections				
	Permits	SS	Sub-Contractor Supervisor		6. Elimination	0	%Controls ≥ Engineering	#DIV/0!			
	Refer to another activity in the PRR	SM	Site Manager		5. Substitution	0	%Controls < Engineering	#DIV/0!			
	Input required by the site team	FM	Foreman		4. Isolation	0	βCheck formulas in L2-L7 if you add rows to ensure range is correct				
	Reference to PBS document	CA	Contracts Administrator		3. Engineering	0					
	NSW requirement only	EHSQ	EHSQ Manager		2. Administration	0					
Workplace Location:	Rosherville Mosman				1. PPE	0					
Issue Number:	0.1										
Issue Date: Review Date	28/04/2021 20/06/2021 08/07/2021	New Document Review PRR Inclusion of SM, CM, CA Structural steel lift shaft			PE/SE	Project Engineer / Site Engineer			Delete Legislation / Codes not applicable to your jurisdiction		
Activity Description	Responsible Contractor	Hazard / Impact (Worst Credible Consequence)	Likelihood	Consequence	Risk Rating	Critical Control Measures	Hierarchy of Control Highest Level Control?	Monitoring Frequency?	Action by whom (Title)	Status	Legal and other requirements
Fencing		Environmental damage from spills	D Unlikely	2 Small	4	All trolleys, tools and equipment to be washed out in a protected and designated wash out area. Concrete pump to blow out in plastic lined bin. Hand tools to be washed out in designated wash out area. All off cuts and construction rubbish to be put into the correct PBS bins only. Ensure that all activities where land is cleared, excavated or disturbed have sediment and erosion control devices implemented and maintained. Provide on-site treatment of any stormwater runoff where required. Determine preventative controls as well as physical controls such as covering of stockpiles or water spraying to eliminate or minimise dust being introduced into the atmosphere. Assess and implement mitigation measures for all noise and vibration related impacts on occupants, visitors, surrounding activities and owners where required to ensure operations do not adversely impact them. Plan and conduct all excavation, movement, treatment, processing or remediation of contaminated soils or groundwater in accordance with the requirements of high risk activities.	3. Engineering	Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Work health and safety consultation, coordination and cooperation CoP. PBS Safety Guide .
Fencing		Fatigue	D Unlikely	2 Small	4	Rotate work crews. Monitor number of workers and Hrs worked. Contractors to provide ways home for workers that may be too fatigued to drive home. Site to have designated rest areas. Specify and procure fatigue detection equipment where available. Min 12hr break between shifts.	4. Isolation	Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP. Managing the risks of plant in the workplace CoP, Hazardous manual tasks CoP.
FFE / Signage		Manual Handling	D Unlikely	3 Medium	6	Identified control measures must follow the Hierarchy of Control commencing with elimination of the high risk manual task where reasonably practicable; followed by the use of mechanical aids to reduce risks related to manual tasks. Ensure you keep the load close to the chest and bend your knees to pick up the load and lift with your legs with your back straight. Bend the knees to lower the load then release the load to final position without over extending the back.	3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.
FFE / Signage		Environmental damage from spills	C Possible	1 Very Small	3	All trolleys, tools and equipment to be washed out in a protected and designated wash out area. Concrete pump to blow out in plastic lined bin. Hand tools to be washed out in designated wash out area. All off cuts and construction rubbish to be put into the correct PBS bins only. Ensure that all activities where land is cleared, excavated or disturbed have sediment and erosion control devices implemented and maintained. Provide on-site treatment of any stormwater runoff where required. Determine preventative controls as well as physical controls such as covering of stockpiles or water spraying to eliminate or minimise dust being introduced into the atmosphere. Assess and implement mitigation measures for all noise and vibration related impacts on occupants, visitors, surrounding activities and owners where required to ensure operations do not adversely impact them. Plan and conduct all excavation, movement, treatment, processing or remediation of contaminated soils or groundwater in accordance with the requirements of high risk activities.	3. Engineering	Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Work health and safety consultation, coordination and cooperation CoP. PBS Safety Guide .

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Word Colour Legend		Acronym	Responsible Positions		Hierarchy of Control		Control Selections				
	Permits	SS	Sub-Contractor Supervisor		6. Elimination	0	%Controls ≥ Engineering	#DIV/0!			
	Refer to another activity in the PRR	SM	Site Manager		5. Substitution	0	%Controls < Engineering	#DIV/0!			
	Input required by the site team	FM	Foreman		4. Isolation	0					
Workplace Location:	Rosherville Mosman		Reference to PBS document	CA	Contracts Administrator		3. Engineering	0	βCheck formulas in L2-L7 if you add rows to ensure range is correct		
Issue Number:	0.1		NSW requirement only	EHSQ	EHSQ Manager		2. Administration	0			
Issue Date: Review Date	28/04/2021 20/06/2021 08/07/2021		New Document Review PRR Inclusion of SM, CM, CA Structural steel lift shaft	PE/SE	Project Engineer / Site Engineer		1. PPE	0			
Activity Description	Responsible Contractor	Hazard / Impact (Worst Credible Consequence)	Likelihood	Consequence	Risk Rating	Critical Control Measures	Hierarchy of Control Highest Level Control?	Monitoring Frequency?	Action by whom (Title)	Status	Legal and other requirements
FFE / Signage		dust and fume inhalation	C Possible	3 Medium	9	Correct PPE to be worn. Works to be completed in a ventilated area and consider the use of fans if needed. SDS to be communicated to All workers involved in the task via TBT or SWMS.	2. Administration	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, First aid in the workplace CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Welding processes CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
FFE / Signage		Noise and vibration	B Likely	1 Very Small	4	When using grinders for an extended period of time, then anti vibration gloves should be worn. Hearing protection should also be worn on top of the site specific PPE requirements. Rotation of workers to be considered for lengthy periods of repetitive grinding tasks.	3. Engineering	Permits, Pre-starts, TBT's, Plans/Drawings, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction work CoP, Hazardous manual tasks CoP, How to manage work health and safety risks CoP, Managing noise and preventing hearing loss at work CoP, Managing the risks of plant in the workplace CoP, Managing the work environment and facilities CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
FFE / Signage		Cuts and Lacerations	C Possible	2 Small	6	All guards to be fitted to power tools, Leads/tools to be test n tagged 3 monthly and any RCD to be test n tagged monthly. Wear the correct PPE for use of power tool and hand tools i.e. Stanley Knives. Use retractable stanley knives.	3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.
FFE / Signage		Falls of Person from EWP.	C Possible	4 Large	12	HRSWMS in place , Plant induction tag to be issued before use. Emergency rescue procedures to be developed and signed into by any workers undertaking a task from an EWP. Correct use of EWP's. Exclusion zones to be in place for any working platform 2m or above High risk licence or VOC required for the use of booms over the 11m capacity. All works undertaken in accordance with the manufacturers instructions. SWL observed. EWP to be used on level ground. When travelling horizontally the bucket/working platform is to be lowered. All workers to be harnessed to EWP as required by manufacturer. Personnel trained and competent including HRWL for MEWP. Remain clear of edge of structure and adhere to exclusion zones where established and no screening protection provided. No standing on top rails or mid-rails to access work areas, access control bump bar to be fitted to all EWP's as per PBS Alert. Harness to be securely anchored to fixture provided inside EWP.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide , .
FFE / Signage		Falls of Materials from EWP	C Possible	3 Medium	9	HRSWMS in place , Plant induction tag to be issued before use. Emergency rescue procedures to be developed and signed into by any workers undertaking a task from an EWP. Correct use of EWP's. Exclusion zones to be in place for any working platform 2m or above High risk licence or VOC required for the use of booms over the 11m capacity. All works undertaken in accordance with the manufacturers instructions. SWL observed. EWP to be used on level ground. When travelling horizontally the bucket/working platform is to be lowered. All workers to be harnessed to EWP as required by manufacturer. Personnel trained and competent including HRWL for MEWP. Remain clear of edge of structure and adhere to exclusion zones where established and no screening protection provided. No standing on top rails or mid-rails to access work areas, access control bump bar to be fitted to all EWP's as per PBS Alert. Harness to be securely anchored to fixture provided inside EWP.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide , .

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Workplace Location: Rosherville Mosman		Issue Number: 0.1		Issue Date: Review Date		Activity Description		Responsible Contractor		Hazard / Impact (Worst Credible Consequence)		Likelihood		Consequence		Risk Rating		Critical Control Measures		Hierarchy of Control Highest Level Control?		Monitoring Frequency?		Action by whom (Title)		Status		Legal and other requirements			
Workplace Location: Rosherville Mosman		Issue Number: 0.1		Issue Date: Review Date		Activity Description		Responsible Contractor		Hazard / Impact (Worst Credible Consequence)		Likelihood		Consequence		Risk Rating		Critical Control Measures		Hierarchy of Control Highest Level Control?		Monitoring Frequency?		Action by whom (Title)		Status		Legal and other requirements			
28/04/2021		20/06/2021		08/07/2021		New Document Review PRR Inclusion of SM, CM, CA Structural steel lift shaft																									
Fire Detection		Fire Detection		Fire Detection		Fire Detection		Fire Detection		Fire Detection		Fire Detection		Fire Detection		Fire Detection		Fire Detection		Fire Detection		Fire Detection		Fire Detection		Fire Detection		Fire Detection			
Falls of Person from EWP.		Falls of Materials from EWP		contact with live services in walls / ceilings		Cuts and Lacerations		Contact with Haz Chemicals		C Possible		C Possible		C Possible		B Likely		12		9		12		9		9		8			
HRSWMS in place , Plant induction tag to be issued before use. Emergency rescue procedures to be developed and signed into by any workers undertaking a task from an EWP. Correct use of EWP's. Exclusion zones to be in place for any working platform 2m or above High risk licence or VOC required for the use of booms over the 11m capacity. All works undertaken in accordance with the manufacturers instructions. SWL observed. EWP to be used on level ground. When travelling horizontally the bucket/working platform is to be lowered. All workers to be harnessed to EWP as required by manufacturer. Personnel trained and competent including HRWL for MEWP. Remain clear of edge of structure and adhere to exclusion zones where established and no screening protection provided. No standing on top rails or mid-rails to access work areas, access control bump bar to be fitted to all EWP's as per PBS Alert. Harness to be securely anchored to fixture provided inside EWP.		HRSWMS in place , Plant induction tag to be issued before use. Emergency rescue procedures to be developed and signed into by any workers undertaking a task from an EWP. Correct use of EWP's. Exclusion zones to be in place for any working platform 2m or above High risk licence or VOC required for the use of booms over the 11m capacity. All works undertaken in accordance with the manufacturers instructions. SWL observed. EWP to be used on level ground. When travelling horizontally the bucket/working platform is to be lowered. All workers to be harnessed to EWP as required by manufacturer. Personnel trained and competent including HRWL for MEWP. Remain clear of edge of structure and adhere to exclusion zones where established and no screening protection provided. No standing on top rails or mid-rails to access work areas, access control bump bar to be fitted to all EWP's as per PBS Alert. Harness to be securely anchored to fixture provided inside EWP.		HRSWMS to be in place for the task. Energise or isolate permit may be necessary depending on the task, Aluminium ladders to be used, correct PPE. HOLD POINT - Contractor needs approval to energise, by the PBS Supervisor. Live temporary electrical cabling must be identified with yellow tag tape every 3m. All temporary electricity provided to socket (general purpose) outlets must be protected by a Residual Current Device. Isolate live cables where possible, Any works requiring drilling or cutting into areas , materials or structures that MAY contain live electrical shall be thoroughly investigated prior to works. An electrician is required to sign off prior to drilling /cutting within 2m of any alignment of GPO or electrical fitting, light switch. Every cable end (I.e. awaiting termination) must be folded over itself and taped to prevent eye damage and electric shock(in the event of inadvertent energisation).		All guards to be fitted to power tools, Leads/tools to be test n tagged 3 monthly and any RCD to be test n tagged monthly. Wear the correct PPE for use of power tool and hand tools I.e. Stanley Knives. Use retractable stanley knives.		Correct PPE to be worn. SDS to be communicated to All workers involved in the task via TBT or SWMS.		3. Engineering		3. Engineering		4. Isolation		3. Engineering		2. Administration		3. Engineering		3. Engineering		3. Engineering		3. Engineering		3. Engineering		3. Engineering	
SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's		SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's		SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's		SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's		SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's		SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's		SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's		SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's		SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's		SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's		SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's		SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's		SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's		SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's		SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's			
Open		Open		Open		Open		Open		Open		Open		Open		Open		Open		Open		Open		Open		Open		Open			
WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . .		WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . .		WHS ACT 2011, WHS Reg's 2017, Construction work CoP, How to manage work health and safety risks CoP, Managing electrical risks in the workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .		WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.		WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, First aid in the workplace CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Welding processes CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .																							

PBS Project Risk Register



Word Colour Legend		Acronym	Responsible Positions		Hierarchy of Control		Control Selections				
	Permits	SS	Sub-Contractor Supervisor		6. Elimination	0	%Controls ≥ Engineering	#DIV/0!			
	Refer to another activity in the PRR	SM	Site Manager		5. Substitution	0	%Controls < Engineering	#DIV/0!			
	Input required by the site team	FM	Foreman		4. Isolation	0					
Workplace Location:	Rosherville Mosman	CA	Contracts Administrator		3. Engineering	0					
Issue Number:	0.1	EHSQ	EHSQ Manager		2. Administration	0					
Issue Date: Review Date	28/04/2021 20/06/2021 08/07/2021	PE/SE	Project Engineer / Site Engineer		1. PPE	0					
	New Document Review PRR Inclusion of SM, CM, CA Structural steel lift shaft								βCheck formulas in L2-L7 if you add rows to ensure range is correct		
Activity Description	Responsible Contractor	Hazard / Impact (Worst Credible Consequence)	Likelihood	Consequence	Risk Rating	Critical Control Measures	Hierarchy of Control Highest Level Control?	Monitoring Frequency?	Action by whom (Title)	Status	Legal and other requirements
Fire Detection		Manual handling from pulling cables	D Unlikely	3 Medium	6	Identified control measures must follow the Hierarchy of Control commencing with elimination of the high risk manual task where reasonably practicable; followed by the use of mechanical aids to reduce risks related to manual tasks. Ensure you keep the load close to the chest and bend your knees to pick up the load and lift with your legs with your back straight. bend the knees to lower the load then release the load to final position without over extending the back.	3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.
Fire Detection		contact with live services in walls / ceilings	C Possible	4 Large	12	HRSWMS to be in place for the task. Energise or isolate permit may be necessary depending on the task, Aluminium ladders to be used, correct PPE. HOLD POINT - Contractor needs approval to energise, by the PBS Supervisor. Live temporary electrical cabling must be identified with yellow tag tape every 3m. All temporary electricity provided to socket (general purpose) outlets must be protected by a Residual Current Device. Isolate live cables where possible, Any works requiring drilling or cutting into areas, materials or structures that MAY contain live electrical shall be thoroughly investigated prior to works. An electrician is required to sign off prior to drilling /cutting within 2m of any alignment of GPO or electrical fitting, light switch. Every cable end (i.e. awaiting termination) must be folded over itself and taped to prevent eye damage and electric shock(in the event of inadvertent energisation).	4. Isolation	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction work CoP, How to manage work health and safety risks CoP, Managing electrical risks in the workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation CoP. PBS Safety Guide .
Fire Detection		Falls from ladders	C Possible	3 Medium	9	Platform ladders to be used in the first instance and step ladders can only be used for 15min durations for short spans of works. 3 points of caontact at all times. Ladder to be stepped back from any edges of a building at least 3m or 1:1 ration if a fuPBSedge screen has been installed.	2. Administration	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
Fire Detection		Noise and vibration	C Possible	2 Small	6	When using grinders / tools for an extended period of time, then anti vibration gloves should be worn. Hearing protection should also be worn on top of the site specific PPE requirements. Rotation of workers to be considered for lengthy periods of repetative grinding tasks.	3. Engineering	Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction work CoP, Hazardous manual tasks CoP, How to manage work health and safety risks CoP, Managing noise and preventing hearing loss at work CoP, Managing the risks of plant in the workplace CoP, Managing the work environment and facilities CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
Fire Detection		Dust inhalation	C Possible	3 Medium	9	Correct PPE to be worn. Works to be completed in a ventilated area and consider the use of fans if needed. SDS to be communicated to All workers involved in the task via TBT or SWMS.	2. Administration	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, First aid in the workplace CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Welding processes CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .

PBS Project Risk Register



Word Colour Legend		Acronym	Responsible Positions		Hierarchy of Control		Control Selections				
							%Controls ≥ Engineering	#DIV/0!			
Permits		SS	Sub-Contractor Supervisor		6. Elimination	0	%Controls ≥ Engineering	#DIV/0!			
Refer to another activity in the PRR		SM	Site Manager		5. Substitution	0	%Controls < Engineering	#DIV/0!			
Input required by the site team		FM	Foreman		4. Isolation	0	βCheck formulas in L2-L7 if you add rows to ensure range is correct				
Reference to PBS document		CA	Contracts Administrator		3. Engineering	0					
NSW requirement only		EHSQ	EHSQ Manager		2. Administration	0					
Workplace Location:	Rosherville Mosman										
Issue Number:	0.1										
Issue Date: Review Date	28/04/2021 20/06/2021 08/07/2021	New Document Review PRR Inclusion of SM, CM, CA Structural steel lift shaft			PE/SE	Project Engineer / Site Engineer		1. PPE	0	Delete Legislation / Codes not applicable to your jurisdiction	
Activity Description	Responsible Contractor	Hazard / Impact (Worst Credible Consequence)	Likelihood	Consequence	Risk Rating	Critical Control Measures	Hierarchy of Control Highest Level Control?	Monitoring Frequency?	Action by whom (Title)		Status
Fire Detection		roll over of EWP	C Possible	4 Large	12	EWP to be operated on stable ground conditions. Competent VOC'd workers to operate EWP under 11m & Only workers with a High Risk Licence to operate EWP's over 11m. Before accessing work areas on the site, operators are to establish a route for safe access	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . .
Flooring		Manual Handling	D Unlikely	3 Medium	6	Identified control measures must follow the Hierarchy of Control commencing with elimination of the high risk manual task where reasonably practicable, followed by the use of mechanical aids to reduce risks related to manual tasks. Ensure you keep the load close to the chest and bend your knees to pick up the load and lift with your legs with your back straight, bend the knees to lower the load then release the load to final position without over extending the back.	3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.
Flooring		Environmental damage from spills	C Possible	1 Very Small	3	All trolleys, tools and equipment to be washed out in a protected and designated wash out area. Concrete pump to blow out in plastic lined bin. Hand tools to be washed out in designated wash out area. All off cuts and construction rubbish to be put into the correct PBS bins only. Ensure that all activities where land is cleared, excavated or disturbed have sediment and erosion control devices implemented and maintained. Provide on-site treatment of any stormwater runoff where required. Determine preventative controls as well as physical controls such as covering of stockpiles or water spraying to eliminate or minimise dust being introduced into the atmosphere. Assess and implement mitigation measures for all noise and vibration related impacts on occupants, visitors, surrounding activities and owners where required to ensure operations do not adversely impact them. Plan and conduct all excavation, movement, treatment, processing or remediation of contaminated soils or groundwater in accordance with the requirements of high risk activities.	3. Engineering	Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
Flooring		dust and fume inhalation	C Possible	3 Medium	9	Correct PPE to be worn. Works to be completed in a ventilated area and consider the use of fans if needed. SDS to be communicated to All workers involved in the task via TBT or SWMS.	2. Administration	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, First aid in the workplace CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Welding processes CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
Flooring		Noise and vibration (vacuum & Floor Grinding)	B Likely	1 Very Small	4	When using floor grinders for an extended period of time, then anti vibration gloves should be worn. Hearing protection should also be worn on top of the site specific PPE requirements. Rotation of workers to be considered for lengthy periods of repetitive grinding tasks.	3. Engineering	Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction work CoP, Hazardous manual tasks CoP, How to manage work health and safety risks CoP, Managing noise and preventing hearing loss at work CoP, Managing the risks of plant in the workplace CoP, Managing the work environment and facilities CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .

PBS Project Risk Register



		Word Colour Legend		Acronym	Responsible Positions	Hierarchy of Control		Control Selections			
			Permits	SS	Sub-Contractor Supervisor	6. Elimination	0	%Controls ≥ Engineering	#DIV/0!		
			Refer to another activity in the PRR	SM	Site Manager	5. Substitution	0	%Controls < Engineering	#DIV/0!		
			Input required by the site team	FM	Foreman	4. Isolation	0				
Workplace Location:	Rosherville Mosman		Reference to PBS document	CA	Contracts Administrator	3. Engineering	0				
Issue Number:	0.1		NSW requirement only	EHSQ	EHSQ Manager	2. Administration	0				
Issue Date: Review Date	28/04/2021 20/06/2021 08/07/2021	New Document Review PRR Inclusion of SM, CM, CA Structural steel lift shaft		PE/SE	Project Engineer / Site Engineer	1. PPE	0			Delete Legislation / Codes not applicable to your jurisdiction	
Activity Description	Responsible Contractor	Hazard / Impact (Worst Credible Consequence)	Likelihood	Consequence	Risk Rating	Critical Control Measures	Hierarchy of Control Highest Level Control?	Monitoring Frequency?	Action by whom (Title)	Status	Legal and other requirements
Flooring		Cuts and Lacerations	C Possible	2 Small	6	All guards to be fitted to power tools, Leads/tools to be test n tagged 3 monthly and any RCD to be test n tagged monthly. Wear the correct PPE for use of power tool and hand tools i.e. Stanley Knives. Use retractable stanley knives.	3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.
Flooring		Fatigue	D Unlikely	2 Small	4	Rotate work crews. Monitor number of workers and Hrs worked. Contractors to provide ways home for workers that may be too fatigued to drive home. Site to have designated rest areas. Specify and procure fatigue detection equipment where available. Min 12hr break between shifts.	4. Isolation	Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP. Managing the risks of plant in the workplace CoP, Hazardous manual tasks CoP.
Formwork		Loss of load when unloading onsite with Telehandler	C Possible	4 Large	12	All lifting equipment must be in good condition and regularly serviced as per manufacturers specs(i.e. Spreader bars, chains, slynetic slings, clutches). Robust fencing shall be installed from a height of 2m-4m (pedestrian fencing type) to not allow any unauthorised entry into exclusion zones. Crane to work lower than 95% capacity. Set up in areas that are approved by the PBS Site Manager. Pre-start to be conducted on Crane before use. Crane to be less than 20yrs old and a 10yr structural inspection completed. When expecting to use crane over 95% capacity a Lift study is to be completed. Do not operate crane in adverse weather conditions which may effect the load or crane. Crane maintenance to be up to date and any repairs to be done prior to lifting. When using excavator as a crane, SWL not be exceeded and All lifting gear to be inspected and approved for use. All loads to be secured when moving around the site via telehandler.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP. Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . .
Formwork		roll over of Telehandler	C Possible	4 Large	12	Licensed operator to drive machine only. Telehandler to not be driven within the 'Zone of Influence' of any trenching or excavation works onsite. A designated route for the site to be communicated to all operators which is to be located on the site Notice Board. Operator to achieve confirmation that it is ok to set up outriggers in various locations across the project along the intended fence line location. Telehandler should not be used outside of it Safe working limits as will be identified on the machine & in the operators manual. Lock out tag out procedure to be implemented if machine is faulty until all repairs are made.	4. Isolation	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP. Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . .
Formwork		fall of a person from height/ top deck / Penetrations.	E Rare	4 Large	4	HRSWMS in place for any High Risk Construction works. Correct PPE to be worn when handling materials.VOC for Plant use. Keep EWP clean and clear of any excess materials. The Catch or Capture philosophy must be employed as the primary control to prevent the fall or reduce the distance of the fall. Lanyards/lethers must be used on all tools or equipment. Robust exclusion zones must be on place as a secondary control measure below areas where a risk of fall of materials/tools exists; these exclusion zones must account for potential arc of fall, deflection and bounce. Boom EWPs need to have mesh flooring so the ground is visible below operators feet. Robust fencing shall be installed from a height of 2m-4m (pedestrian fencing type).	3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.
Formwork		Property damage loading material onto structure	C Possible	2 Small	6	Dogman/spotter to control the load using a tag line. Clear and precise commands (ie two way radios,hand signals or whistle blasts) to be used when communicating with the operator. Stop the Franna/Telehandler movements and use clear communication when dealing with pedestrians and other plant. Operator to obey any and all directions issued by the dogman/spotter.	3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP. Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . .

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	Permits	SS	Sub-Contractor Supervisor		6. Elimination	0	%Controls ≥ Engineering	#DIV/0!			
	Refer to another activity in the PRR	SM	Site Manager		5. Substitution	0	%Controls < Engineering	#DIV/0!			
	Input required by the site team	FM	Foreman		4. Isolation	0	βCheck formulas in L2-L7 if you add rows to ensure range is correct				
	Reference to PBS document	CA	Contracts Administrator		3. Engineering	0					
	NSW requirement only	EHSQ	EHSQ Manager		2. Administration	0					
Workplace Location:	Rosherville Mosman				1. PPE	0					
Issue Number:	0.1										
Issue Date: Review Date	28/04/2021 20/06/2021 08/07/2021	New Document Review PRR Inclusion of SM, CM, CA Structural steel lift shaft									
Activity Description	Responsible Contractor	Hazard / Impact (Worst Credible Consequence)	Likelihood	Consequence	Risk Rating	Critical Control Measures	Hierarchy of Control Highest Level Control?	Monitoring Frequency?	Action by whom (Title)	Status	Legal and other requirements
Formwork		Failure of temp structure (I.e Point loads on deck, concrete, scaffold access stairs)	D Unlikely	5 Very Large	10	Structural engineers certification of the temp deck to be completed and all load point to be in design, this is to be communicated to All workers involved with the deck and all trades supervisors. Securing requirements, bracing and fixing details must be verified to be in accordance with an approved design and include suitable structural fixings that account for wind load considerations based on locality.HOLD POINT - PBS pre pour inspection check list to be completed before a pour of any decks are to commence.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide ,
Formwork		fall of materials / Joists and bearers.	C Possible	2 Small	6	All materials are to be loaded from the bottom. If material is too heavy then team lifting should be done so as to stop any inadvertent drops of timber onto oneself. Only formworkers should be in the direct work area and signage and tape to be erected to communicate to other trades not to enter the work zone.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide ,
Formwork		Impalement from starter bars	E Rare	4 Large	4	All starter bars are to have plastic caps on them at all times.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide ,
Formwork		Contact with underground services (timber pegs and star pickets to secure edge boards	D Unlikely	4 Large	8	Sucker truck to be used to pot hole every 5m a known services, this will identify the service and the direction that it is going. PBS Excavation permit to be in place before any in-ground works begin. No use of an excavator within 1m of a service unless dispensation has been given by the PBS Regional EHS Manager. HRSWMS to be in place for the task. All in-ground services are to be located using DBYD, Energise or isolate permit may be necessary depending on the task, HRSWMS needed , identify the risks , hold points, testing procedures and identify Plant needed for reducing the risks etc.	4. Isolation	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction work CoP, How to manage work health and safety risks CoP, Excavation work CoP, Managing electrical risks in the workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
Formwork		Cuts & skin punctures from nails	B Likely	2 Small	8	When stripping timbers workers must ensure that all timbers are de-nailed, not just knock the nail over but DE-NAIL. All used nails to be placed in PBS bin	3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.
Frame Walls/Ceilings		Loss of load by the telehandler / Franna	C Possible	4 Large	12	All lifting equipment must be in good condition and regularly serviced as per manufacturers specs(I.e. Spreader bars, chains, synthetic slings, clutches). Robust fencing shall be installed from a height of 2m-4m (pedestrian fencing type) to not allow any unauthorised entry into exclusion zones. Crane to work lower than 95% capacity. Set up in areas that are approved by the PBS Site Manager. Pre-start to be conducted on Crane before use. Crane to be less than 20yrs old and a 10yr structural inspection completed. When expecting to use crane over 95% capacity a Lift study is to be completed. Do not operate crane in adverse weather conditions which may effect the load or crane. Crane maintenance to be up to date and any repairs to be done prior to lifting. When using excavator as a crane, SWL not be exceeded and All lifting gear to be inspected and approved for use. All loads to be secured when moving around the site via telehandler.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide , .

Delete Legislation / Codes not applicable to your jurisdiction

PBS Project Risk Register



Word Colour Legend		Acronym	Responsible Positions		Hierarchy of Control		Control Selections					
	Permits	SS	Sub-Contractor Supervisor		6. Elimination	0	%Controls ≥ Engineering	#DIV/0!				
	Refer to another activity in the PRR	SM	Site Manager		5. Substitution	0	%Controls < Engineering	#DIV/0!				
	Input required by the site team	FM	Foreman		4. Isolation	0						
Workplace Location:	Rosherville Mosman		Reference to PBS document	CA	Contracts Administrator		3. Engineering	0	βCheck formulas in L2-L7 if you add rows to ensure range is correct			
Issue Number:	0.1		NSW requirement only	EHSQ	EHSQ Manager		2. Administration	0				
Issue Date: Review Date	28/04/2021 20/06/2021 08/07/2021		New Document Review PRR Inclusion of SM, CM, CA Structural steel lift shaft	PE/SE	Project Engineer / Site Engineer		1. PPE	0				
Activity Description		Responsible Contractor	Hazard / Impact (Worst Credible Consequence)	Likelihood	Consequence	Risk Rating	Critical Control Measures	Hierarchy of Control Highest Level Control?	Monitoring Frequency?	Action by whom (Title)	Status	Legal and other requirements
Frame Walls/Ceilings			Fire and Explosion when refuelling plant & equipment	C Possible	3 Medium	9	Hot works permit valid for activity if necessary. Area to be clear of any combustible material. Fire fighting equipment to be in date and in the vicinity of the refuelling activity. Haz goods to be stored correctly onsite and in ventilated areas. All personnel using chemicals to be inducted into the SWMS which are to include any controls as per the SDS for the specific product. All Jerry cans used must be returned to the Haz storage and secured, they are not to be left out onsite. Refuelling to be undertaken in identified locations away from other ignition sources.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, First aid in the workplace CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Welding processes CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
Frame Walls/Ceilings			Manual Handling	D Unlikely	3 Medium	6	Identified control measures must follow the Hierarchy of Control commencing with elimination of the high risk manual task where reasonably practicable; followed by the use of mechanical aids to reduce risks related to manual tasks. Ensure you keep the load close to the chest and bend your knees to pick up the load and lift with your legs with your back straight. bend the knees to lower the load then release the load to final position without over extending the back.	3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.
Frame Walls/Ceilings			Cuts and Lacerations	C Possible	3 Medium	9	All guards to be fitted to power tools, Leads/tools to be test n tagged 3 monthly and any RCD to be test n tagged monthly. Wear the correct PPE for use of power tool and hand tools i.e. Stanley Knives. Use retractable stanley knives.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.
Frame Walls/Ceilings			Dust inhalation	C Possible	3 Medium	9	Correct PPE to be worn. Works to be completed in a ventilated area and consider the use of fans if needed. SDS to be communicated to All workers involved in the task via TBT or SWMS.	2. Administration	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, First aid in the workplace CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Welding processes CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .

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	Refer to another activity in the PRR	SM	Site Manager		5. Substitution	0	%Controls < Engineering	#DIV/0!			
	Input required by the site team	FM	Foreman		4. Isolation	0					
Workplace Location:	Rosherville Mosman		Reference to PBS document	CA	Contracts Administrator		3. Engineering	0	βCheck formulas in L2-L7 if you add rows to ensure range is correct		
Issue Number:	0.1		NSW requirement only	EHSQ	EHSQ Manager		2. Administration	0			
Issue Date: Review Date	28/04/2021 20/06/2021 08/07/2021		New Document Review PRR Inclusion of SM, CM, CA Structural steel lift shaft	PE/SE	Project Engineer / Site Engineer		1. PPE	0	Delete Legislation / Codes not applicable to your jurisdiction		
Activity Description	Responsible Contractor	Hazard / Impact (Worst Credible Consequence)	Likelihood	Consequence	Risk Rating	Critical Control Measures	Hierarchy of Control Highest Level Control?	Monitoring Frequency?		Action by whom (Title)	Status
Frame Walls/Ceilings		Electric shock	C Possible	4 Large	12	HRSWMS to be in place for the task. All inground services are to be located using DBYD, All inground services that are within 1m of the direct work area are to be isolated(as per excavation permit), excavation permit / Energise or isolate permit may be necessary depending on the task, Aluminium ladders to be used, correct PPE. HOLD POINT - Contractor needs approval to energise, by the PBS Site Manager. Live temporary electrical cabling must be identified with yellow tag tape every 3m, where cabling is accessible. Competent Persons must carry out electrical inspection, testing and tagging of RCD's Monthly and leads 3 monthly. All temporary electricity provided to socket (general purpose) outlets must be protected by a Residual Current Device. Isolate live cables where possible, All contractors shall produce HRSWMS, identify the risks, hold points, testing procedures and identify Plant needed for reducing the risks etc. Drilling & cutting. Any works requiring drilling or cutting into areas, materials or structures that MAY contain live electrical shall be thoroughly investigated prior to works. An electrician is required to sign off prior to drilling /cutting within 2m of any alignment of GPO or electrical fitting, light switch. Electrical apprentices and trades assistants must work under the supervision of a licenced electrician at all times. All electrical work (other than inspection and testing of portable equipment) must be carried out by a licenced electrician & each electrician must verify their licence before they commence electrical works. Calibration of all testing equipment must be carried out at a minimum yearly. Cordless tools are encouraged to be used before power tools. Every cable end (I.e. awaiting termination) must be folded over itself and taped to prevent eye damage and electric shock(in the event of inadvertent energisation).	4. Isolation	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction work CoP, How to manage work health and safety risks CoP, Managing electrical risks in the workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation CoP. PBS Safety Guide .
Frame Walls/Ceilings		Falls from Ladders	C Possible	3 Medium	9	Platform ladders to be used in the first instance and step ladders can only be used for 15min durations for short spans of works. 3 points of contact at all times. Ladder to be stepped back from any edges of a building at least 3m or 1:1 ration if a fuPBSedge screen has been installed.	2. Administration	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide .
Frame Walls/Ceilings		Falls of Person from EWP.	C Possible	4 Large	12	HRSWMS in place, Plant induction tag to be issued before use. Emergency rescue procedures to be developed and signed into by any workers undertaking a task from an EWP. Correct use of EWP's, Exclusion zones to be in place for any working platform 2m or above High risk licence or VOC required for the use of booms over the 11m capacity. All works undertaken in accordance with the manufacturers instructions. SWL observed. EWP to be used on level ground. When travelling horizontally the bucket/working platform is to be lowered. All workers to be harnessed to EWP as required by manufacturer. Personnel trained and competent including HRWL for MEWP. Remain clear of edge of structure and adhere to exclusion zones where established and no screening protection provided. No standing on top rails or mid-rails to access work areas, access control bump bar to be fitted to all EWP's as per PBS Alert. Harness to be securely anchored to fixture provided inside EWP.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide .
Frame Walls/Ceilings		Falls of Materials from EWP	C Possible	3 Medium	9	HRSWMS in place, Plant induction tag to be issued before use. Emergency rescue procedures to be developed and signed into by any workers undertaking a task from an EWP. Correct use of EWP's, Exclusion zones to be in place for any working platform 2m or above High risk licence or VOC required for the use of booms over the 11m capacity. All works undertaken in accordance with the manufacturers instructions. SWL observed. EWP to be used on level ground. When travelling horizontally the bucket/working platform is to be lowered. All workers to be harnessed to EWP as required by manufacturer. Personnel trained and competent including HRWL for MEWP. Remain clear of edge of structure and adhere to exclusion zones where established and no screening protection provided. No standing on top rails or mid-rails to access work areas, access control bump bar to be fitted to all EWP's as per PBS Alert. Harness to be securely anchored to fixture provided inside EWP.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide .

PBS Project Risk Register



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	Refer to another activity in the PRR	SM	Site Manager		5. Substitution	0	%Controls < Engineering	#DIV/0!			
	Input required by the site team	FM	Foreman		4. Isolation	0	βCheck formulas in L2-L7 if you add rows to ensure range is correct				
	Reference to PBS document	CA	Contracts Administrator		3. Engineering	0					
	NSW requirement only	EHSQ	EHSQ Manager		2. Administration	0					
Workplace Location:	Rosherville Mosman				1. PPE	0					
Issue Number:	0.1										
Issue Date: Review Date	28/04/2021 20/06/2021 08/07/2021	New Document Review PRR Inclusion of SM, CM, CA Structural steel lift shaft									
Issue Date:							Delete Legislation / Codes not applicable to your jurisdiction				
Activity Description	Responsible Contractor	Hazard / Impact (Worst Credible Consequence)	Likelihood	Consequence	Risk Rating	Critical Control Measures	Hierarchy of Control Highest Level Control?	Monitoring Frequency?	Action by whom (Title)	Status	Legal and other requirements
Frame Walls/Ceilings		contact with live services in walls / ceilings	C Possible	4 Large	12	HRSWMS to be in place for the task. Energise or isolate permit may be necessary depending on the task, Aluminium ladders to be used, correct PPE. HOLD POINT - Contractor needs approval to energise, by the PBS Supervisor. Live temporary electrical cabling must be identified with yellow tag tape every 3m. All temporary electricity provided to socket (general purpose) outlets must be protected by a Residual Current Device. Isolate live cables where possible, Any works requiring drilling or cutting into areas , materials or structures that MAY contain live electrical shall be thoroughly investigated prior to works. An electrician is required to sign off prior to drilling /cutting within 2m of any alignment of GPO or electrical fitting, light switch. Every cable end (i.e. awaiting termination) must be folded over itself and taped to prevent eye damage and electric shock(in the event of inadvertent energisation).	4. Isolation	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction work CoP, How to manage work health and safety risks CoP, Managing electrical risks in the workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation CoP. PBS Safety Guide .
Frame Walls/Ceilings		Environmental damage	C Possible	2 Small	6	All trows, tools and equipment to be washed out in a protected and designated wash out area. Concrete pump to blow out in plastic lined bin.Hand tools to be washed out in designated wash out area. All off cuts and construction rubbish to be put into the correct PBS bins only. Ensure that all activities where land is cleared, excavated or disturbed have sediment and erosion control devices implemented and maintained. Provide on-site treatment of any stormwater runoff where required. Determine preventative controls as well as physical controls such as covering of stockpiles or water spraying to eliminate or minimise dust being introduced into the atmosphere. Assess and implement mitigation measures for all noise and vibration related impacts on occupants , visitors, surrounding activities and owners where required to ensure operations do not adversely impact them. Plan and conduct all excavation, movement, treatment, processing or remediation of contaminated soils or groundwater in accordance with the requirements of high risk activities.	3. Engineering	Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Work health and safety consultation, coordination and cooperation CoP. PBS Safety Guide .
Frame Walls/Ceilings		Noise and vibration	C Possible	2 Small	6	When using grinders / tools for an extended period of time, then anti vibration gloves should be worn. Hearing protection should also be worn on top of the site specific PPE requirements. Rotation of workers to be considered for lengthy periods of repetitive grinding tasks.	3. Engineering	Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction work CoP, Hazardous manual tasks CoP, How to manage work health and safety risks CoP, Managing noise and preventing hearing loss at work CoP, Managing the risks of plant in the workplace CoP, Managing the work environment and facilities CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
Hotworks		Fire/explosion	C Possible	3 Medium		Isolate / Exclusion zone where required and display signs. Hot Works Permit to be issued and Service Isolation Permit where required. Install flash back arrestor/s to all oxy sets and ensure suitable fire extinguishers are nearby. Flash protection screens to be used where required to protect other workers and public. Identify and isolate existing services. Ensure work areas are clear of debris. Ensure ventilation is adequate.	3. Engineering	Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction work CoP, Hazardous manual tasks CoP, How to manage work health and safety risks CoP, Managing noise and preventing hearing loss at work CoP, Managing the risks of plant in the workplace CoP, Managing the work environment and facilities CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
Joinery		Manual Handling	D Unlikely	3 Medium	6	Identified control measures must follow the Hierarchy of Control commencing with elimination of the high risk manual task where reasonably practicable, followed by the use of mechanical aids to reduce risks related to manual tasks. Ensure you keep the load close to the chest and bend your knees to pick up the load and lift with your legs with your back straight, bend the knees to lower the load then release the load to final position without over extending the back.	3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.

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	Refer to another activity in the PRR	SM	Site Manager		5. Substitution	0	%Controls < Engineering	#DIV/0!			
	Input required by the site team	FM	Foreman		4. Isolation	0					
Workplace Location:	Rosherville Mosman	Reference to PBS document	CA	Contracts Administrator		3. Engineering	0				
Issue Number:	0.1	NSW requirement only	EHSQ	EHSQ Manager		2. Administration	0				
Issue Date: Review Date	28/04/2021 20/06/2021 08/07/2021	New Document Review PRR Inclusion of SM, CM, CA Structural steel lift shaft	PE/SE	Project Engineer / Site Engineer		1. PPE	0				
βCheck formulas in L2-L7 if you add rows to ensure range is correct											
Delete Legislation / Codes not applicable to your jurisdiction											
Activity Description	Responsible Contractor	Hazard / Impact (Worst Credible Consequence)	Likelihood	Consequence	Risk Rating	Critical Control Measures	Hierarchy of Control Highest Level Control?	Monitoring Frequency?	Action by whom (Title)	Status	Legal and other requirements
Joinery		Cutting of person with tools	C Possible	3 Medium	9	All guards to be fitted to power tools, Leads/tools to be test n tagged 3 monthly and any RCD to be test n tagged monthly. Wear the correct PPE for use of power tool. Saw to be locked on solid bench and fenced in to no inadvertent access by anyone else but the operator using it.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.
Joinery		dust and glue inhalation	C Possible	3 Medium	9	Correct PPE to be worn. Works to be completed in a ventilated area and consider the use of fans if needed. SDS to be communicated to All workers involved in the task via TBT or SWMS.	2. Administration	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, First aid in the workplace CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Welding processes CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
Joinery		Falls from Ladders	C Possible	3 Medium	9	Platform ladders to be used in the first instance and step ladders can only be used for 15min durations for short spans of works. 3 points of contact at all times. Ladder to be stepped back from any edges of a building at least 3m or 1:1 ration if a fuPBSedge screen has been installed.	2. Administration	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide .
Landscaping		roll over of Plant	D Unlikely	4 Large	8	Excavator is not to be set up inside the "Zone of Influence". ROPS / FOPS to be installed on All plant including but not limited to Grader, Roller, Skid Steer. Do not exceed the SWL of machine. Ensure lifting gear is test and tagged as ready for use by a competent person.	3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide .
Landscaping		Failure of plant	C Possible	4 Large	12	Excavators / Bobcats and the like, must be correctly maintained and be in good condition for use onsite. All repairs must be attended to before the plant can be used onsite also. All lifting gear - Chains and slings must be approved by a competent person. Synthetic slings need to be checked 3 monthly and chains are to be tested yearly, both having a visual inspection before each use.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide .
Landscaping		Contact with in-ground services	D Unlikely	4 Large	8	Sucker truck to be used to pot hole every 5m a known services, this will identify the service and the direction that it is going. PBS Excavation permit to be in place before any in-ground works begin. No use of an excavator within 1m of a service unless dispensation has been given by the PBS Regional EHS Manager. HRSWMS to be in place for the task. All inground services are to be located using DBYD, Energise or isolate permit may be necessary depending on the task, HRSWMS needed, identify the risks , hold points, testing procedures and identify Plant needed for reducing the risks etc.	4. Isolation	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction work CoP, How to manage work health and safety risks CoP, Excavation work CoP, Managing electrical risks in the workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .

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	Refer to another activity in the PRR	SM	Site Manager		5. Substitution	0	%Controls < Engineering	#DIV/0!				
	Input required by the site team	FM	Foreman		4. Isolation	0						
Workplace Location:	Rosherville Mosman		Reference to PBS document	CA	Contracts Administrator		3. Engineering	0	βCheck formulas in L2-L7 if you add rows to ensure range is correct			
Issue Number:	0.1		NSW requirement only	EHSQ	EHSQ Manager		2. Administration	0				
Issue Date: Review Date	28/04/2021 20/06/2021 08/07/2021		New Document Review PRR Inclusion of SM, CM, CA Structural steel lift shaft	PE/SE	Project Engineer / Site Engineer		1. PPE	0	Delete Legislation / Codes not applicable to your jurisdiction			
Activity Description		Responsible Contractor	Hazard / Impact (Worst Credible Consequence)	Likelihood	Consequence	Risk Rating	Critical Control Measures	Hierarchy of Control Highest Level Control?	Monitoring Frequency?	Action by whom (Title)	Status	Legal and other requirements
Landscaping			Failure of lifting gear	C Possible	5 Very Large	15	All lifting equipment must be in good condition and regularly serviced as per manufacturers specs(i.e. Spreader bars, chains, slynthetic slings, clutches). Robust fencing shall be installed from a height of 2m-4m (pedestrian fencing type). contractors must not allow any unauthorised entry into exclusion zones.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . .
Landscaping			Environmental damage	C Possible	3 Medium	9	All trows, tools and equipment to be washed out in a protected and designated wash out area. Concrete pump to blow out in plastic lined bin.Hand tools to be washed out in designated wash out area. All off cuts and construction rubbish to be put into the correct PBS bins only. Ensure that all activities where land is cleared, excavated or disturbed have sediment and erosion control devices implemented and maintained. Provide on-site treatment of any stormwater runoff where required. Determine preventative controls as well as physical controls such as covering of stockpiles or water spraying to eliminate or minimise dust being introduced into the atmosphere. Assess and implement mitigation measures for all noise and vibration related impacts on occupants , visitors, surrounding activities and owners where required to ensure operations do not adversely impact them. Plan and conduct all excavation, movement, treatment, processing or remediation of contaminated soils or groundwater in accordance with the requirements of high risk activities.	3. Engineering	Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
Landscaping			Plant and People seperation	C Possible	4 Large	12	Spotter to have positive communication with excavator operator during the task. Workers to stay outside the swing zone of the excavator. Exclusion zone around the excavation/excavator to stop any unauthorised entry by other workers on the site. Hand signals or UHF radios to be used as positive communications. Workers to remain out of blind spots of any plant that may be delivering materials to site and spotter to guide any plant to final delivery position. Dogman to remain visible when guiding the delivery or installation of loads and to use positive comms.	4. Isolation	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . .
Landscaping			Temperature extremes	C Possible	1 Very Small	3	Sunscreen to be worn. Broad brims on hard hats. Consider rest breaks & job rotation. Undertake work at cooler times of the day. Provide adequate clothing that protects from the elements.	1. PPE	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.
Landscaping			Fire and Explosion when refuelling plant & equipment	C Possible	3 Medium	9	Hot works permit valid for activity if necessary. Area to be clear of any combustible material. Fire fighting equipment to be in date and in the vicinity of the refuelling activity. Haz goods to be stored correctly onsite and in ventilated areas. All personnel using chemicals to be inducted into the SWMS which are to include any controls as per the SDS for the specific product. All Jerry cans used must be returned to the Haz storage and secured, they are not to be left out onsite. Refuelling to be undertaken in identified locations away from other ignition sources.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, First aid in the workplace CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Welding processes CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .

PBS Project Risk Register



		Word Colour Legend		Acronym	Responsible Positions		Hierarchy of Control		Control Selections		
			Permits	SS	Sub-Contractor Supervisor		6. Elimination	0	%Controls ≥ Engineering	#DIV/0!	
			Refer to another activity in the PRR	SM	Site Manager		5. Substitution	0	%Controls < Engineering	#DIV/0!	
			Input required by the site team	FM	Foreman		4. Isolation	0			
Workplace Location:	Rosherville Mosman		Reference to PBS document	CA	Contracts Administrator		3. Engineering	0			
Issue Number:	0.1		NSW requirement only	EHSQ	EHSQ Manager		2. Administration	0			
Issue Date: Review Date	28/04/2021 20/06/2021 08/07/2021	New Document Review PRR Inclusion of SM, CM, CA Structural steel lift shaft		PE/SE	Project Engineer / Site Engineer		1. PPE	0			Delete Legislation / Codes not applicable to your jurisdiction
Activity Description	Responsible Contractor	Hazard / Impact (Worst Credible Consequence)	Likelihood	Consequence	Risk Rating	Critical Control Measures	Hierarchy of Control Highest Level Control?	Monitoring Frequency?	Action by whom (Title)	Status	Legal and other requirements
Landscaping		Contact with Haz Chemicals	B Likely	2 Small	8	Correct PPE to be worn. SDS to be communicated to All workers involved in the task via TBT or SWMS.	2. Administration	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, First aid in the workplace CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Welding processes CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
Landscaping		Drowning - working near water holes	E Rare	4 Large	4	All water services are to be isolated when excavating. Isolation permit to be completed along with excavation permit. Bungs may need to be placed upstream of workers positions. Life bouys to be placed in the vicinity of nearby ponds. Sed or purpose built dirrectional fencing may need to be installed to direct the flow of potential water accessing the excavation - this may relate to weather events or if draining a line that is upstream of the excavation works. Pumps may need to be installed to remove water Correct PPE needs to be worn i.e. Gum boots in muddy trenches/ excavations.	4. Isolation	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction work CoP, How to manage work health and safety risks CoP, Excavation work CoP, Managing electrical risks in the workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
Landscaping		Dust inhalation	C Possible	3 Medium	9	Correct PPE to be worn. Works to be completed in a ventilated area and consider the use of fans if needed. SDS to be communicated to All workers involved in the task via TBT or SWMS.	2. Administration	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, First aid in the workplace CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Welding processes CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
Landscaping		fall of person from moving vehicle - Spray seed truck.	C Possible	4 Large	12	Handrail system to be engineered to restrain the operator whilst on the back of the truck when spraying. Vehicle must not exceed 5km/h during the task and sprayer must come down from the back of the truck after spray task is complete. persons are not to remain up top during normal driving on/off site.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . .
Landscaping		Manual Handling	D Unlikely	3 Medium	6	Identified control measures must follow the Hierarchy of Control commencing with elimination of the high risk manual task where reasonably practicable, followed by the use of mechanical aids to reduce risks related to manual tasks. Ensure you keep the load close to the chest and bend your knees to pick up the load and lift with your legs with your back straight. bend the knees to lower the load then release the load to final position without over extending the back.	3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.

PBS Project Risk Register



Word Colour Legend		Acronym	Responsible Positions		Hierarchy of Control		Control Selections				
	Permits	SS	Sub-Contractor Supervisor		6. Elimination	0	%Controls ≥ Engineering	#DIV/0!			
	Refer to another activity in the PRR	SM	Site Manager		5. Substitution	0	%Controls < Engineering	#DIV/0!			
	Input required by the site team	FM	Foreman		4. Isolation	0					
Workplace Location:	Rosherville Mosman	CA	Contracts Administrator		3. Engineering	0					
Issue Number:	0.1	EHSQ	EHSQ Manager		2. Administration	0					
Issue Date: Review Date	28/04/2021 20/06/2021 08/07/2021	New Document Review PRR Inclusion of SM, CM, CA Structural steel lift shaft	PE/SE	Project Engineer / Site Engineer	1. PPE	0			Delete Legislation / Codes not applicable to your jurisdiction		
Activity Description	Responsible Contractor	Hazard / Impact (Worst Credible Consequence)	Likelihood	Consequence	Risk Rating	Critical Control Measures	Hierarchy of Control Highest Level Control?	Monitoring Frequency?	Action by whom (Title)	Status	Legal and other requirements
Lift installation		Fall from heights	C Possible	3 Medium	6	Physically fix 50 X 25mm mesh or ply to each lift shaft opening after pouring & prior to lift install commencing. Replace mesh / ply lift door opening protection with dead lock keyed lift cage physically fixed across opening before lift install commencing. Ensure temporary handrail is installed at every level with only working level removed for access but replaced before moving working temp platform. Ensure hand rails balustrades are installed & secured on top of car before works commence. *Delivery drivers or workers are NOT to access the back of trucks unless: *There is a handrail system incorporated onto the back of the vehicle or, *A portable handrail system is provided by the project and, *The use of a portable loading bay platform would be the ideal control measure. When one or more of these controls are implemented, workers may use the access ladder and maintain 3 points of contact when ascending or descending."	3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.
Mechanical (Air-con)		Loss of load by the telehandler / Franna	C Possible	4 Large	12	All lifting equipment must be in good condition and regularly serviced as per manufacturers specs (i.e. Spreader bars, chains, synthetic slings, clutches). Robust fencing shall be installed from a height of 2m-4m (pedestrian fencing type) to not allow any unauthorised entry into exclusion zones. Crane to work lower than 95% capacity. Set up in areas that are approved by the PBS Site Manager. Pre-start to be conducted on Crane before use. Crane to be less than 20yrs old and a 10yr structural inspection completed. When expecting to use crane over 95% capacity a Lift study is to be completed. Do not operate crane in adverse weather conditions which may effect the load or crane. Crane maintenance to be up to date and any repairs to be done prior to lifting. When using excavator as a crane, SWL not be exceeded and All lifting gear to be inspected and approved for use. All loads to be secured when moving around the site via telehandler.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide, . .
Mechanical (Air-con)		Manual Handling	D Unlikely	3 Medium	6	Identified control measures must follow the Hierarchy of Control commencing with elimination of the high risk manual task where reasonably practicable, followed by the use of mechanical aids to reduce risks related to manual tasks. Ensure you keep the load close to the chest and bend your knees to pick up the load and lift with your legs with your back straight, bend the knees to lower the load then release the load to final position without over extending the back.	3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.
Mechanical (Air-con)		Failure of duct hoist	D Unlikely	3 Medium	6	All duct lifters and portable type hoists must have a failsafe system so that in the event of a hoisting wire failure the load cannot fall. In addition, outriggers where fitted must be used, SWL must be clearly marked & only propriety attachments are used and only in accordance with manufacturers instructions.	3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide, . .
Mechanical (Air-con)		Falls of Person from EWP.	C Possible	4 Large	12	HRSWMS in place, Plant induction tag to be issued before use. Emergency rescue procedures to be developed and signed into by any workers undertaking a task from an EWP. Correct use of EWP's. Exclusion zones to be in place for any working platform 2m or above. High risk licence or VOC required for the use of booms over the 11m capacity. All works undertaken in accordance with the manufacturers instructions. SWL observed. EWP to be used on level ground. When travelling horizontally the bucket/working platform is to be lowered. All workers to be harnessed to EWP as required by manufacturer. Personnel trained and competent including HRWL for MEWP. Remain clear of edge of structure and adhere to exclusion zones where established and no screening protection provided. No standing on top rails or mid-rails to access work areas, access control bump bar to be fitted to all EWP's as per PBS Alert. Harness to be securely anchored to fixture provided inside EWP.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide, . .

PBS Project Risk Register



PBS Project Risk Register		Word Colour Legend		Acronym	Responsible Positions	Hierarchy of Control		Control Selections			
			Permits	SS	Sub-Contractor Supervisor	6. Elimination	0	%Controls ≥ Engineering	#DIV/0!		
			Refer to another activity in the PRR	SM	Site Manager	5. Substitution	0	%Controls < Engineering	#DIV/0!		
			Input required by the site team	FM	Foreman	4. Isolation	0				
Workplace Location:	Rosherville Mosman		Reference to PBS document	CA	Contracts Administrator	3. Engineering	0				
Issue Number:	0.1		NSW requirement only	EHSQ	EHSQ Manager	2. Administration	0				
Issue Date: Review Date	28/04/2021 20/06/2021 08/07/2021	New Document Review PRR Inclusion of SM, CM, CA Structural steel lift shaft		PE/SE	Project Engineer / Site Engineer	1. PPE	0			Delete Legislation / Codes not applicable to your jurisdiction	
Activity Description	Responsible Contractor	Hazard / Impact (Worst Credible Consequence)	Likelihood	Consequence	Risk Rating	Critical Control Measures	Hierarchy of Control Highest Level Control?	Monitoring Frequency?	Action by whom (Title)	Status	Legal and other requirements
Mechanical (Air-con)		Falls of Materials from EWP	C Possible	3 Medium	9	HRSWMS in place , Plant induction tag to be issued before use. Emergency rescue procedures to be developed and signed into by any workers undertaking a task from an EWP. Correct use of EWP's. Exclusion zones to be in place for any working platform 2m or above High risk licence or VOC required for the use of booms over the 11m capacity. All works undertaken in accordance with the manufacturers instructions. SWL observed. EWP to be used on level ground. When travelling horizontally the bucket/working platform is to be lowered. All workers to be harnessed to EWP as required by manufacturer. Personnel trained and competent including HRWL for MEWP. Remain clear of edge of structure and adhere to exclusion zones where established and no screening protection provided. No standing on top rails or mid-rails to access work areas, access control bump bar to be fitted to all EWP's as per PBS Alert. Harness to be securely anchored to fixture provided inside EWP.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . .
Mechanical (Air-con)		fall of materials from height (Roof)	C Possible	3 Medium	9	HRSWMS in place for any High Risk Construction works. Correct PPE to be worn when handling materials.VOC for Plant use. Keep EWP clean and clear of any excess materials. The Catch or Capture philosophy must be employed as the primary control so that the intent of PBS Safety Guide is Plant induction and measures are taken to prevent the fall or reduce the distance of the fall. Lanyards/lethers must be used on all tools or equipment. Robust exclusion zones must be on place as a secondary control measure below areas where a risk of fall of materials/tools exists; these exclusion zones must account for potential arc of fall, deflection and bounce. Boom EWP's need to have mesh flooring so th ground is visible below operators feet. Robust fencing shall be installed from a height of 2m-4m (pedestrian fencing type).	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide .
Mechanical (Air-con)		contact with live services in walls / ceilings	C Possible	4 Large	12	HRSWMS to be in place for the task. Energise or isolate permit may be necessary depending on the task. Aluminium ladders to be used, correct PPE. HOLD POINT - Contractor needs approval to energise, by the PBS Supervisor. Live temporary electrical cabling must be identified with yellow tag tape every 3m..All temporary electricity provided to socket (general purpose) outlets must be protected by a Residual Current Device. Isolate live cables where possible, Any works requiring drilling or cutting into areas , materials or structures that MAY contain live electrical shall be thoroughly investigated prior to works. An electrician is required to sign off prior to drilling /cutting within 2m of any alignment of GPO or electrical fitting, light switch. Every cable end (I.e. awaiting termination) must be folded over itself and taped to prevent eye damage and electric shock(in the event of inadvertent energisation).	4. Isolation	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction work CoP, How to manage work health and safety risks CoP, Managing electrical risks in the workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
Mechanical (Air-con)		Cuts and Lacerations	C Possible	3 Medium	9	All guards to be fitted to power tools, Leads/tools to be test n tagged 3 monthly and any RCD to be test n tagged monthly. Wear the correct PPE for use of power tool and hand tools I.e. Stanley Knives. Use retractable stanley knives.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.
Mechanical (Air-con)		Contact with Haz Chemicals	B Likely	2 Small	8	Correct PPE to be worn. SDS to be communicated to All workers involved in the task via TBT or SWMS.	2. Administration	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, First aid in the workplace CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Welding processes CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .

PBS Project Risk Register



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	Permits	SS	Sub-Contractor Supervisor		6. Elimination	0	%Controls ≥ Engineering	#DIV/0!			
	Refer to another activity in the PRR	SM	Site Manager		5. Substitution	0	%Controls < Engineering	#DIV/0!			
	Input required by the site team	FM	Foreman		4. Isolation	0	βCheck formulas in L2-L7 if you add rows to ensure range is correct				
	Reference to PBS document	CA	Contracts Administrator		3. Engineering	0					
	NSW requirement only	EHSQ	EHSQ Manager		2. Administration	0					
Workplace Location:	Rosherville Mosman				1. PPE	0					
Issue Number:	0.1										
Issue Date: Review Date	28/04/2021 20/06/2021 08/07/2021	New Document Review PRR Inclusion of SM, CM, CA Structural steel lift shaft									
Issue Date:											
Activity Description	Responsible Contractor	Hazard / Impact (Worst Credible Consequence)	Likelihood	Consequence	Risk Rating	Critical Control Measures	Hierarchy of Control Highest Level Control?	Monitoring Frequency?	Action by whom (Title)	Status	Legal and other requirements
Mechanical (Air-con)		Manual handling from pulling cables	D Unlikely	3 Medium	6	Identified control measures must follow the Hierarchy of Control commencing with elimination of the high risk manual task where reasonably practicable; followed by the use of mechanical aids to reduce risks related to manual tasks. Ensure you keep the load close to the chest and bend your knees to pick up the load and lift with your legs with your back straight, bend the knees to lower the load then release the load to final position without over extending the back.	3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.
Mechanical (Air-con)		electrocution from commissioning works	C Possible	4 Large	12	HRSWMS to be in place for the task. All inground services are to be located using DBYD. All inground services that are within 1m of the direct work area are to be isolated(as per excavation permit), excavation permit / Energise or isolate permit may be necessary depending on the task, Aluminium ladders to be used, correct PPE. HOLD POINT - Contractor needs approval to energise, by the PBS Site Manager. Live temporary electrical cabling must be identified with yellow tag tape every 3m, where cabling is accessible. Competent Persons must carry out electrical inspection, testing and tagging of RCD's Monthly and leads 3 monthly. All temporary electricity provided to socket (general purpose) outlets must be protected by a Residual Current Device. Isolate live cables where possible. All contractors shall produce HRSWMS, identify the risks, hold points, testing procedures and identify Plant needed for reducing the risks etc. Drilling & cutting. Any works requiring drilling or cutting into areas, materials or structures that MAY contain live electrical shall be thoroughly investigated prior to works. An electrician is required to sign off prior to drilling /cutting within 2m of any alignment of GPO or electrical fitting, light switch. Electrical apprentices and trades assistants must work under the supervision of a licenced electrician at all times. All electrical work (other than inspection and testing of portable equipment) must be carried out by a licenced electrician & each electrician must verify their licence before they commence electrical works. Calibration of all testing equipment must be carried out at a minimum yearly. Cordless tools are encouraged to be used before power tools. Every cable end (i.e. awaiting termination) must be folded over itself and taped to prevent eye damage and electric shock(in the event of inadvertent energisation).	4. Isolation	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction work CoP, How to manage work health and safety risks CoP, Managing electrical risks in the workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation CoP. PBS Safety Guide .
Mechanical (Air-con)		Falls from ladders	C Possible	3 Medium	9	Platform ladders to be used in the first instance and step ladders can only be used for 15min durations for short spans of works. 3 points of contact at all times. Ladder to be stepped back from any edges of a building at least 3m or 1:1 ration if a fuPBSedge screen has been installed.	2. Administration	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide .
Mechanical (Air-con)		Noise and vibration	C Possible	2 Small	6	When using grinders / tools for an extended period of time, then anti vibration gloves should be worn. Hearing protection should also be worn on top of the site specific PPE requirements. Rotation of workers to be considered for lengthy periods of repetitive grinding tasks.	3. Engineering	Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction work CoP, Hazardous manual tasks CoP, How to manage work health and safety risks CoP, Managing noise and preventing hearing loss at work CoP, Managing the risks of plant in the workplace CoP, Managing the work environment and facilities CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .

Delete Legislation / Codes not applicable to your jurisdiction

PBS Project Risk Register



Word Colour Legend		Acronym	Responsible Positions		Hierarchy of Control		Control Selections				
Permits		SS	Sub-Contractor Supervisor		6. Elimination	0	%Controls ≥ Engineering	#DIV/0!			
Refer to another activity in the PRR		SM	Site Manager		5. Substitution	0	%Controls < Engineering	#DIV/0!			
Input required by the site team		FM	Foreman		4. Isolation	0					
Reference to PBS document		CA	Contracts Administrator		3. Engineering	0					
NSW requirement only		EHSQ	EHSQ Manager		2. Administration	0		βCheck formulas in L2-L7 if you add rows to ensure range is correct			
New Document Review PRR Inclusion of SM, CM, CA Structural steel lift shaft		PE/SE	Project Engineer / Site Engineer		1. PPE	0					
Workplace Location: Rosherville Mosman											
Issue Number: 0.1											
Issue Date: Review Date 28/04/2021 20/06/2021 08/07/2021											
Activity Description	Responsible Contractor	Hazard / Impact (Worst Credible Consequence)	Likelihood	Consequence	Risk Rating	Critical Control Measures	Hierarchy of Control Highest Level Control?	Monitoring Frequency?	Action by whom (Title)	Status	Legal and other requirements
Mechanical (Air-con)		Dust inhalation	C Possible	3 Medium	9	Correct PPE to be worn. Works to be completed in a ventilated area and consider the use of fans if needed. SDS to be communicated to All workers involved in the task via TBT or SWMS.	2. Administration	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, First aid in the workplace CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Welding processes CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
Mechanical (Air-con)		Fire and explosion when soldering pipes.	C Possible	3 Medium	9	Hot works permit valid for activity. Area to be clear of any combustible material. Fire fighting equipment to be in date and in the vicinity of the refuelling activity. Haz goods to be stored correctly onsite and in ventilated areas. All personnel using chemicals to be inducted into the SWMS which are to include any controls as per the SDS for the specific product. All Jerry cans used must be returned to the Haz storage and secured, they are not to be left out onsite.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, First aid in the workplace CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Welding processes CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
Painting		Manual Handling	D Unlikely	3 Medium	6	Identified control measures must follow the Hierarchy of Control commencing with elimination of the high risk manual task where reasonably practicable; followed by the use of mechanical aids to reduce risks related to manual tasks. Ensure you keep the load close to the chest and bend your knees to pick up the load and lift with your legs with your back straight. bend the knees to lower the load then release the load to final position without over extending the back.	3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.
Painting		Environmental damage from spills	C Possible	1 Very Small	3	All trows, tools and equipment to be washed out in a protected and designated wash out area. Concrete pump to blow out in plastic lined bin. Hand tools to be washed out in designated wash out area. All off cuts and construction rubbish to be put into the correct PBS bins only. Ensure that all activities where land is cleared, excavated or disturbed have sediment and erosion control devices implemented and maintained. Provide on-site treatment of any stormwater runoff where required. Determine preventative controls as well as physical controls such as covering of stockpiles or water spraying to eliminate or minimise dust being introduced into the atmosphere. Assess and implement mitigation measures for all noise and vibration related impacts on occupants, visitors, surrounding activities and owners where required to ensure operations do not adversely impact them. Plan and conduct all excavation, movement, treatment, processing or remediation of contaminated soils or groundwater in accordance with the requirements of high risk activities.	3. Engineering	Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .

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Workplace Location: Rosherville Mosman		Issue Number: 0.1		Issue Date: Review Date		Activity Description		Responsible Contractor		Hazard / Impact (Worst Credible Consequence)		Likelihood		Consequence		Risk Rating		Critical Control Measures		Hierarchy of Control Highest Level Control?		Monitoring Frequency?		Action by whom (Title)		Status		Legal and other requirements	
Word Colour Legend Permits (Purple) Refer to another activity in the PRR (Blue) Input required by the site team (Red)		Acronym SS SM FM		Responsible Positions Sub-Contractor Supervisor Site Manager Foreman		Hierarchy of Control 6. Elimination 5. Substitution 4. Isolation		Control Selections %Controls ≥ Engineering #DIV/0! %Controls < Engineering #DIV/0!		Reference to PBS document CA Contracts Administrator		NSW requirement only EHSQ EHSQ Manager		PE/SE Project Engineer / Site Engineer		3. Engineering 2. Administration 1. PPE		0 0 0		βCheck formulas in L2-L7 if you add rows to ensure range is correct		Delete Legislation / Codes not applicable to your jurisdiction							
Responsible Contractor (Empty)		Hazard / Impact (Worst Credible Consequence) dust and fume inhalation		Likelihood C Possible		Consequence 3 Medium		Risk Rating 9		Critical Control Measures Correct PPE to be worn. Works to be completed in a ventilated area and consider the use of fans if needed. SDS to be communicated to All workers involved in the task via TBT or SWMS.		Hierarchy of Control Highest Level Control? 2. Administration		Monitoring Frequency? Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,		Action by whom (Title) SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's		Status Open		Legal and other requirements WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, First aid in the workplace CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Welding processes CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .									
Responsible Contractor (Empty)		Hazard / Impact (Worst Credible Consequence) Noise and vibration		Likelihood C Possible		Consequence 2 Small		Risk Rating 6		Critical Control Measures When using grinders / tools for an extended period of time, then anti vibration gloves should be worn. Hearing protection should also be worn on top of the site specific PPE requirements. Rotation of workers to be considered for lengthy periods of repetitive grinding tasks.		Hierarchy of Control Highest Level Control? 3. Engineering		Monitoring Frequency? Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,		Action by whom (Title) SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's		Status Open		Legal and other requirements WHS ACT 2011, WHS Reg's 2017, Construction work CoP, Hazardous manual tasks CoP, How to manage work health and safety risks CoP, Managing noise and preventing hearing loss at work CoP, Managing the risks of plant in the workplace CoP, Managing the work environment and facilities CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .									
Responsible Contractor (Empty)		Hazard / Impact (Worst Credible Consequence) Cuts and Lacerations		Likelihood C Possible		Consequence 2 Small		Risk Rating 6		Critical Control Measures All guards to be fitted to power tools, Leads/tools to be test n tagged 3 monthly and any RCD to be test n tagged monthly. Wear the correct PPE for use of power tool and hand tools i.e. Stanley Knives. Use retractable stanley knives.		Hierarchy of Control Highest Level Control? 3. Engineering		Monitoring Frequency? Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,		Action by whom (Title) SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's		Status Open		Legal and other requirements WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.									
Responsible Contractor (Empty)		Hazard / Impact (Worst Credible Consequence) Falls of Person from EWP.		Likelihood C Possible		Consequence 4 Large		Risk Rating 12		Critical Control Measures HRSWMS in place , Plant induction tag to be issued before use. Emergency rescue procedures to be developed and signed into by any workers undertaking a task from an EWP. Correct use of EWP's, Exclusion zones to be in place for any working platform 2m or above High risk licence or VOC required for the use of booms over the 11m capacity. All works undertaken in accordance with the manufacturers instructions. SWL observed. EWP to be used on level ground. When travelling horizontally the bucket/working platform is to be lowered. All workers to be harnessed to EWP as required by manufacturer. Personnel trained and competent including HRWL for MEWP. Remain clear of edge of structure and adhere to exclusion zones where established and no screening protection provided. No standing on top rails or mid-rails to access work areas, access control bump bar to be fitted to all EWP's as per PBS Alert. Harness to be securely anchored to fixture provided inside EWP.		Hierarchy of Control Highest Level Control? 3. Engineering		Monitoring Frequency? SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,		Action by whom (Title) SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's		Status Open		Legal and other requirements WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . .									
Responsible Contractor (Empty)		Hazard / Impact (Worst Credible Consequence) Plant roll over		Likelihood D Unlikely		Consequence 4 Large		Risk Rating 8		Critical Control Measures EWP to be operated on stable ground conditions. Competent VOC'd workers to operate EWP under 11m & Only workers with a High Risk Licence to operate EWP's over 11m. Before accessing work areas on the site, operators are to establish a route for safe access and set-up. Considerations of service trenches and penetrations should be taken into account.		Hierarchy of Control Highest Level Control? 2. Administration		Monitoring Frequency? Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,		Action by whom (Title) SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's		Status Open		Legal and other requirements WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . .									

PBS Project Risk Register




Workplace Location:		Issue Number:		Issue Date: Review Date		Activity Description		Responsible Contractor		Hazard / Impact (Worst Credible Consequence)		Likelihood	Consequence	Risk Rating	Critical Control Measures		Hierarchy of Control Highest Level Control?	Monitoring Frequency?	Action by whom (Title)	Status	Legal and other requirements
Rosherville Mosman		0.1		28/04/2021 20/06/2021 08/07/2021		New Document Review PRR Inclusion of SM, CM, CA Structural steel lift shaft				Falls of Materials from EWP		C Possible	3 Medium	9	HRSWMS in place , Plant induction tag to be issued before use. Emergency rescue procedures to be developed and signed into by any workers undertaking a task from an EWP. Correct use of EWP's. Exclusion zones to be in place for any working platform 2m or above High risk licence or VOC required for the use of booms over the 11m capacity. All works undertaken in accordance with the manufacturers instructions. SWL observed. EWP to be used on level ground. When travelling horizontally the bucket/working platform is to be lowered. All workers to be harnessed to EWP as required by manufacturer. Personnel trained and competent including HRWL for MEWP. Remain clear of edge of structure and adhere to exclusion zones where established and no screening protection provided. No standing on top rails or mid-rails to access work areas, access control bump bar to be fitted to all EWP's as per PBS Alert. Harness to be securely anchored to fixture provided inside EWP.		3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide .
										Fire and Explosion when refuelling plant & equipment		C Possible	3 Medium	9	Hot works permit valid for activity if necessary. Area to be clear of any combustible material. Fire fighting equipment to be in date and in the vicinity of the refuelling activity. Haz goods to be stored correctly onsite and in ventilated areas. All personnel using chemicals to be inducted into the SWMS which are to include any controls as per the SDS for the specific product. All Jerry cans used must be returned to the Haz storage and secured, they are not to be left out onsite. Refuelling to be undertaken in identified locations away from other ignition sources.		3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, First aid in the workplace CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Welding processes CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
										Falls from Ladders		C Possible	3 Medium	9	Platform ladders to be used in the first instance and step ladders can only be used for 15min durations for short spans of works. 3 points of contact at all times. Ladder to be stepped back from any edges of a building at least 3m or 1:1 rafter if a full PBSedge screen has been installed.		2. Administration	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide .
										roll over of Plant		D Unlikely	4 Large	8	Excavator is not to be set up inside the "Zone of Influence". ROPS / FOPS to be installed on All plant including but not limited to Grader, Roller, Skid Steer. Do not exceed the SWL of machine. Ensure lifting gear is test and tagged as ready for use by a competent person.		3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide .
										Plant and People separation		C Possible	4 Large	12	Spotter to have positive communication with excavator operator during the task. Workers to stay outside the swing zone of the excavator. Exclusion zone around the excavation/ excavator to stop any unauthorised entry by other workers on the site. Hand signals or UHF radios to be used as positive communications. Workers to remain out of blind spots of any plant that may be delivering materials to site and spotter to guide any plant to final delivery position. Dogman to remain visible when guiding the delivery or installation of loads and to use positive comms.		4. Isolation	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide .

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	Permits	SS	Sub-Contractor Supervisor		6. Elimination	0	%Controls ≥ Engineering	#DIV/0!			
	Refer to another activity in the PRR	SM	Site Manager		5. Substitution	0	%Controls < Engineering	#DIV/0!			
	Input required by the site team	FM	Foreman		4. Isolation	0					
Workplace Location:	Rosherville Mosman	CA	Contracts Administrator		3. Engineering	0					
Issue Number:	0.1	EHSQ	EHSQ Manager		2. Administration	0					
Issue Date: Review Date	28/04/2021 20/06/2021 08/07/2021	New Document Review PRR Inclusion of SM, CM, CA Structural steel lift shaft	PE/SE	Project Engineer / Site Engineer		1. PPE	0			Delete Legislation / Codes not applicable to your jurisdiction	
Activity Description	Responsible Contractor	Hazard / Impact (Worst Credible Consequence)	Likelihood	Consequence	Risk Rating	Critical Control Measures	Hierarchy of Control Highest Level Control?	Monitoring Frequency?	Action by whom (Title)	Status	Legal and other requirements
Piling		fall of person into pier holes	D Unlikely	2 Small	4	Pier holes to be protected by a robust and certified handrail system. A certified mesh cover is to also be pinned down over the pier hole inside the fencing. Pier hole methodology to be approved by PBS.	3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.
Piling		Plant and equipment failure	C Possible	5 Very Large	15	All lifting equipment must be in good condition and regularly serviced as per manufacturers specs (i.e. Spreader bars, chains, synthetic slings, clutches). Robust fencing shall be installed from a height of 2m-4m (pedestrian fencing type) used to not allow any unauthorised entry into exclusion zones. Excavators, must be correctly maintained and be in good condition for use onsite. All repairs must be attended to before the plant can be used onsite also. All lifting gear - Chains and slings must be approved by a competent person. Synthetic slings need to be checked 3 monthly and chains are to be tested yearly, both having a visual inspection before each use.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . .
Piling		Contact with in-ground services	D Unlikely	4 Large	8	Sucker truck to be used to pot hole every 5m a known services, this will identify the service and the direction that it is going. PBS Excavation permit to be in place before any in-ground works begin. No use of an excavator within 1m of a service unless dispensation has been given by the PBS Regional EHS Manager. HRSWMS to be in place for the task. All in-ground services are to be located using DBYD, Energise or isolate permit may be necessary depending on the task, HRSWMS needed, identify the risks, hold points, testing procedures and identify Plant needed for reducing the risks etc.	4. Isolation	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction work CoP, How to manage work health and safety risks CoP, Excavation work CoP, Managing electrical risks in the workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation CoP. PBS Safety Guide .
Piling		Environmental damage	C Possible	1 Very Small	3	All trows, tools and equipment to be washed out in a protected and designated wash out area. Concrete pump to blow out in plastic lined bin. Hand tools to be washed out in designated wash out area. All off cuts and construction rubbish to be put into the correct PBS bins only. Ensure that all activities where land is cleared, excavated or disturbed have sediment and erosion control devices implemented and maintained. Provide on-site treatment of any stormwater runoff where required. Determine preventative controls as well as physical controls such as covering of stockpiles or water spraying to eliminate or minimise dust being introduced into the atmosphere. Assess and implement mitigation measures for all noise and vibration related impacts on occupants, visitors, surrounding activities and owners where required to ensure operations do not adversely impact them. Plan and conduct all excavation, movement, treatment, processing or remediation of contaminated soils or groundwater in accordance with the requirements of high risk activities.	3. Engineering	Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Work health and safety consultation, coordination and cooperation CoP. PBS Safety Guide .
Piling		Fire and Explosion when refuelling plant & equipment	C Possible	3 Medium	9	Hot works permit valid for activity if necessary. Area to be clear of any combustible material. Fire fighting equipment to be in date and in the vicinity of the refuelling activity. Haz goods to be stored correctly onsite and in ventilated areas. All personnel using chemicals to be inducted into the SWMS which are to include any controls as per the SDS for the specific product. All Jerry cans used must be returned to the Haz storage and secured, they are not to be left out onsite. Refuelling to be undertaken in identified locations away from other ignition sources.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, First aid in the workplace CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Welding processes CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .

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			Permits	SS	Sub-Contractor Supervisor		6. Elimination	0	%Controls ≥ Engineering	#DIV/0!	
			Refer to another activity in the PRR	SM	Site Manager		5. Substitution	0	%Controls < Engineering	#DIV/0!	
			Input required by the site team	FM	Foreman		4. Isolation	0			
Workplace Location:	Rosherville Mosman		Reference to PBS document	CA	Contracts Administrator		3. Engineering	0			
Issue Number:	0.1		NSW requirement only	EHSQ	EHSQ Manager		2. Administration	0			
Issue Date: Review Date	28/04/2021 20/06/2021 08/07/2021	New Document Review PRR Inclusion of SM, CM, CA Structural steel lift shaft		PE/SE	Project Engineer / Site Engineer		1. PPE	0			
											βCheck formulas in L2-L7 if you add rows to ensure range is correct
Activity Description	Responsible Contractor	Hazard / Impact (Worst Credible Consequence)	Likelihood	Consequence	Risk Rating	Critical Control Measures	Hierarchy of Control Highest Level Control?	Monitoring Frequency?	Action by whom (Title)	Status	Legal and other requirements
Plumbing		Contact with in-ground services	D Unlikely	4 Large	8	Sucker truck to be used to pot hole every 5m a known services, this will identify the service and the direction that it is going. PBS Excavation permit to be in place before any in-ground works begin. No use of an excavator within 1m of a service unless dispensation has been given by the PBS Regional EHS Manager. HRSWMS to be in place for the task. All in-ground services are to be located using DBYD, Energise or isolate permit may be necessary depending on the task, HRSWMS needed, identify the risks, hold points, testing procedures and identify Plant needed for reducing the risks etc.	4. Isolation	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction work CoP, How to manage work health and safety risks CoP, Excavation work CoP, Managing electrical risks in the workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation CoP. PBS Safety Guide .
Plumbing		Failure of lifting gear	C Possible	5 Very Large	15	All lifting equipment must be in good condition and regularly serviced as per manufacturers specs(i.e. Spreader bars, chains, synthetic slings, clutches). Robust fencing shall be installed from a height of 2m-4m (pedestrian fencing type). contractors must not allow any unauthorised entry into exclusion zones.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide .
Plumbing		Ingress of water to excavation	D Unlikely	4 Large	8	All water services are to be isolated when excavating. Isolation permit to be completed along with excavation permit. Bungs may need to be placed upstream of workers positions. Life bouys to be placed in the vicinity of nearby ponds. Sed or purpose built directional fencing may need to be installed to direct the flow of potential water accessing the excavation - this may relate to weather events or if draining a line that is upstream of the excavation works. Pumps may need to be installed to remove water Correct PPE needs to be worn i.e. Gum boots in muddy trenches/ excavations.	4. Isolation	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction work CoP, How to manage work health and safety risks CoP, Excavation work CoP, Managing electrical risks in the workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation CoP. PBS Safety Guide .
Plumbing		Environmental damage	C Possible	1 Very Small	3	All trows, tools and equipment to be washed out in a protected and designated wash out area. Concrete pump to blow out in plastic lined bin.Hand tools to be washed out in designated wash out area. All off cuts and construction rubbish to be put into the correct PBS bins only. Ensure that all activities where land is cleared, excavated or disturbed have sediment and erosion control devices implemented and maintained. Provide on-site treatment of any stormwater runoff where required. Determine preventative controls as well as physical controls such as covering of stockpiles or water spraying to eliminate or minimise dust being introduced into the atmosphere. Assess and implement mitigation measures for all noise and vibration related impacts on occupants, visitors, surrounding activities and owners where required to ensure operations do not adversely impact them. Plan and conduct all excavation, movement, treatment, processing or remediation of contaminated soils or groundwater in accordance with the requirements of high risk activities.	3. Engineering	Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Work health and safety consultation, coordination and cooperation CoP. PBS Safety Guide .
Plumbing		Plant and People separation	C Possible	4 Large	12	Spotter to have positive communication with excavator operator during the task. Workers to stay outside the swing zone of the excavator. Exclusion zone around the excavation/excavator to stop any unauthorised entry by other workers on the site. Hand signals or UHF radios to be used as positive communications. Workers to remain out of blind spots of any plant that may be delivering materials to site and spotter to guide any plant to final delivery position. Dogman to remain visible when guiding the delivery or installation of loads and to use positive comms.	4. Isolation	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide .

PBS Project Risk Register



Word Colour Legend		Acronym	Responsible Positions		Hierarchy of Control		Control Selections				
	Permits	SS	Sub-Contractor Supervisor		6. Elimination	0	%Controls ≥ Engineering	#DIV/0!			
	Refer to another activity in the PRR	SM	Site Manager		5. Substitution	0	%Controls < Engineering	#DIV/0!			
	Input required by the site team	FM	Foreman		4. Isolation	0	βCheck formulas in L2-L7 if you add rows to ensure range is correct				
	Reference to PBS document	CA	Contracts Administrator		3. Engineering	0					
	NSW requirement only	EHSQ	EHSQ Manager		2. Administration	0					
Issue Date: Review Date	28/04/2021 20/06/2021 08/07/2021	New Document Review PRR Inclusion of SM, CM, CA Structural steel lift shaft	PE/SE	Project Engineer / Site Engineer		1. PPE	0	Delete Legislation / Codes not applicable to your jurisdiction			
Activity Description	Responsible Contractor	Hazard / Impact (Worst Credible Consequence)	Likelihood	Consequence	Risk Rating	Critical Control Measures	Hierarchy of Control Highest Level Control?	Monitoring Frequency?	Action by whom (Title)	Status	Legal and other requirements
Plumbing		Engulfment and inhalation of hazardous chemicals /toxins in a Confined Space	C Possible	5 Very Large	15	Confined space permit to be acquired from PBS and is only valid for one shift. all work inside a confined space is only to be conducted by personnel who are trained to do so, including atmospheric monitoring, use of safety equipment and rescue procedures. Confined space entry and exist to be secured. Confined space needs to be ventilated to normal atmospheric pressure/quality before anyone can enter the confined space. All measuring equipment must have a current calibration certificate. All services that need to be isolated are to be done prior to any workers entering the space as per the PBS Confined space permit.	4. Isolation	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Confined spaces CoP, Construction work CoP, How to manage work health and safety risks CoP, Managing risks of hazardous chemicals in the workplace CoP, Labelling of workplace hazardous chemicals CoP, Managing the risk of falls at workplace CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide and .
Plumbing		Temperature extremes	C Possible	1 Very Small	3	Sunscreen to be worn. Broad brims on hard hats. Consider rest breaks & job rotation. Undertake work at cooler times of the day. Provide adequate clothing that protects from the elements.	1. PPE	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.
Plumbing		fall of persons in to excavations	D Unlikely	2 Small	4	Flagging installed with signage 2m back from trenching. For Pit excavations over 1.5 - robust fencing to be installed and signage stating "Deep Excavation" and "Authorised persons only". Excavations over 1.5 to be benched, batter or shored. Safe means of access to be provided	3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.
Plumbing		Fire and Explosion when refuelling plant & equipment	C Possible	3 Medium	9	Hot works permit valid for activity if necessary. Area to be clear of any combustible material. Fire fighting equipment to be in date and in the vicinity of the refuelling activity. Haz goods to be stored correctly onsite and in ventilated areas. All personnel using chemicals to be inducted into the SWMS which are to include any controls as per the SDS for the specific product. All Jerry cans used must be returned to the Haz storage and secured, they are not to be left out onsite. Refuelling to be undertaken in identified locations away from other ignition sources.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, First aid in the workplace CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Welding processes CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
Plumbing		Engulfment and inhalation of hazardous chemicals /toxins in a Confined Space	C Possible	5 Very Large	15	Confined space permit to be acquired from PBS and is only valid for one shift. all work inside a confined space is only to be conducted by personnel who are trained to do so, including atmospheric monitoring, use of safety equipment and rescue procedures. Confined space entry and exist to be secured. Confined space needs to be ventilated to normal atmospheric pressure/quality before anyone can enter the confined space. All measuring equipment must have a current calibration certificate. All services that need to be isolated are to be done prior to any workers entering the space as per the PBS Confined space permit.	4. Isolation			Open	WHS ACT 2011, WHS Reg's 2017, Confined spaces CoP, Construction work CoP, How to manage work health and safety risks CoP, Managing risks of hazardous chemicals in the workplace CoP, Labelling of workplace hazardous chemicals CoP, Managing the risk of falls at workplace CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide and .
Plumbing		Cuts and Lacerations	C Possible	3 Medium	9	All guards to be fitted to power tools, Leads/tools to be test n tagged 3 monthly and any RCD to be test n tagged monthly. Wear the correct PPE for use of power tool and hand tools I.e. Stanley Knives. Use retractable stanley knives.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.

PBS Project Risk Register



Word Colour Legend		Acronym	Responsible Positions		Hierarchy of Control		Control Selections				
Permits		SS	Sub-Contractor Supervisor		6. Elimination	0	%Controls ≥ Engineering	#DIV/0!			
Refer to another activity in the PRR		SM	Site Manager		5. Substitution	0	%Controls < Engineering	#DIV/0!			
Input required by the site team		FM	Foreman		4. Isolation	0					
Workplace Location:	Rosherville Mosman	Reference to PBS document	CA	Contracts Administrator	3. Engineering	0					
Issue Number:	0.1	NSW requirement only	EHSQ	EHSQ Manager	2. Administration	0					
Issue Date: Review Date	28/04/2021 20/06/2021 08/07/2021	New Document Review PRR Inclusion of SM, CM, CA Structural steel lift shaft	PE/SE	Project Engineer / Site Engineer	1. PPE	0			Delete Legislation / Codes not applicable to your jurisdiction		
Activity Description	Responsible Contractor	Hazard / Impact (Worst Credible Consequence)	Likelihood	Consequence	Risk Rating	Critical Control Measures	Hierarchy of Control Highest Level Control?	Monitoring Frequency?	Action by whom (Title)	Status	Legal and other requirements
Plumbing		Manual Handling	D Unlikely	3 Medium	6	Identified control measures must follow the Hierarchy of Control commencing with elimination of the high risk manual task where reasonably practicable; followed by the use of mechanical aids to reduce risks related to manual tasks. Ensure you keep the load close to the chest and bend your knees to pick up the load and lift with your legs with your back straight, bend the knees to lower the load then release the load to final position without over extending the back.	3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.
Plumbing		Falls of Person from EWP.	C Possible	4 Large	12	HRSWMS in place, Plant induction tag to be issued before use. Emergency rescue procedures to be developed and signed into by any workers undertaking a task from an EWP. Correct use of EWP's. Exclusion zones to be in place for any working platform 2m or above High risk licence or VOC required for the use of booms over the 11m capacity. All works undertaken in accordance with the manufacturers instructions. SWL observed. EWP to be used on level ground. When travelling horizontally the bucket/working platform is to be lowered. All workers to be harnessed to EWP as required by manufacturer. Personnel trained and competent including HRWL for MEWP. Remain clear of edge of structure and adhere to exclusion zones where established and no screening protection provided. No standing on top rails or mid-rails to access work areas, access control bump bar to be fitted to all EWP's as per PBS Alert. Harness to be securely anchored to fixture provided inside EWP.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . .
Plumbing		Falls of Materials from EWP	C Possible	3 Medium	9	HRSWMS in place, Plant induction tag to be issued before use. Emergency rescue procedures to be developed and signed into by any workers undertaking a task from an EWP. Correct use of EWP's. Exclusion zones to be in place for any working platform 2m or above High risk licence or VOC required for the use of booms over the 11m capacity. All works undertaken in accordance with the manufacturers instructions. SWL observed. EWP to be used on level ground. When travelling horizontally the bucket/working platform is to be lowered. All workers to be harnessed to EWP as required by manufacturer. Personnel trained and competent including HRWL for MEWP. Remain clear of edge of structure and adhere to exclusion zones where established and no screening protection provided. No standing on top rails or mid-rails to access work areas, access control bump bar to be fitted to all EWP's as per PBS Alert. Harness to be securely anchored to fixture provided inside EWP.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . .
Plumbing		fall of materials from height (Roof)	C Possible	3 Medium	9	HRSWMS in place for any High Risk Construction works. Correct PPE to be worn when handling materials.VOC for Plant use. Keep EWP clean and clear of any excess materials. The Catch or Capture philosophy must be employed as the primary control so that the intent of PBS Safety Guide is Plant induction and measures are taken to prevent the fall or reduce the distance of the fall. Lanyards/tethers must be used on all tools or equipment. Robust exclusion zones must be on place as a secondary control measure below areas where a risk of fall of materials/tools exists; these exclusion zones must account for potential arc of fall, deflection and bounce. Boom EWPs need to have mesh flooring so th ground is visible below operators feet. Robust fencing shall be installed from a height of 2m-4m (pedestrian fencing type).	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . .
Plumbing		contact with live services in walls / ceilings	C Possible	4 Large	12	HRSWMS to be in place for the task. Energise or isolate permit may be necessary depending on the task, Aluminium ladders to be used, correct PPE. HOLD POINT - Contractor needs approval to energise, by the PBS Supervisor. Live temporary electrical cabling must be identified with yellow tag tape every 3m. All temporary electricity provided to socket (general purpose) outlets must be protected by a Residual Current Device. Isolate live cables where possible, Any works requiring drilling or cutting into areas, materials or structures that MAY contain live electrical shall be thoroughly investigated prior to works. An electrician is required to sign off prior to drilling /cutting within 2m of any alignment of GPO or electrical fitting, light switch. Every cable end (i.e. awalling termination) must be folded over itself and taped to prevent eye damage and electric shock(in the event of inadvertent energisation).	4. Isolation	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction work CoP, How to manage work health and safety risks CoP, Managing electrical risks in the workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation CoP. PBS Safety Guide .

PBS Project Risk Register



Word Colour Legend		Acronym	Responsible Positions		Hierarchy of Control		Control Selections				
	Permits	SS	Sub-Contractor Supervisor		6. Elimination	0	%Controls ≥ Engineering	#DIV/0!			
	Refer to another activity in the PRR	SM	Site Manager		5. Substitution	0	%Controls < Engineering	#DIV/0!			
	Input required by the site team	FM	Foreman		4. Isolation	0					
	Reference to PBS document	CA	Contracts Administrator		3. Engineering	0					
	NSW requirement only	EHSQ	EHSQ Manager		2. Administration	0					
		PE/SE	Project Engineer / Site Engineer		1. PPE	0					
βCheck formulas in L2-L7 if you add rows to ensure range is correct											
Delete Legislation / Codes not applicable to your jurisdiction											
Workplace Location:	Rosherville Mosman										
Issue Number:	0.1										
Issue Date: Review Date	28/04/2021	New Document Review PRR									
	20/06/2021	Inclusion of SM, CM, CA									
	08/07/2021	Structural steel lift shaft									
Activity Description	Responsible Contractor	Hazard / Impact (Worst Credible Consequence)	Likelihood	Consequence	Risk Rating	Critical Control Measures	Hierarchy of Control Highest Level Control?	Monitoring Frequency?	Action by whom (Title)	Status	Legal and other requirements
Plumbing		Contact with Haz Chemicals	B Likely	2 Small	8	Correct PPE to be worn. SDS to be communicated to All workers involved in the task via TBT or SWMS.	2. Administration	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, First aid in the workplace CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Welding processes CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
Plumbing		Falls from ladders	C Possible	3 Medium	9	Platform ladders to be used in the first instance and step ladders can only be used for 15min durations for short spans of works. 3 points of contact at all times. Ladder to be stepped back from any edges of a building at least 3m or 1:1 rasion if a fuPBSedge screen has been installed.	2. Administration	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide .
Plumbing		Fire, explosion & Burns when soldering pipes.	C Possible	3 Medium	9	Hot works permit valid for activity. Area to be clear of any combustible material. Fire fighting equipment to be in date and in the vicinity of the refuelling activity. Haz goods to be stored correctly onsite and in ventilated areas. All personnel using chemicals to be inducted into the SWMS which are to include any controls as per the SDS for the specific product. All Jerry cans used must be returned to the Haz storage and secured, they are not to be left out onsite.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, First aid in the workplace CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Welding processes CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
Plumbing		Noise and vibration	C Possible	2 Small	6	When using grinders / tools for an extended period of time, then anti vibration gloves should be worn. Hearing protection should also be worn on top of the site specific PPE requirements. Rotation of workers to be considered for lengthy periods of repatative grinding tasks.	3. Engineering	Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction work CoP, Hazardous manual tasks CoP, How to manage work health and safety risks CoP, Managing noise and preventing hearing loss at work CoP, Managing the risks of plant in the workplace CoP, Managing the work environment and facilities CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .

PBS Project Risk Register



PBS Project Risk Register		Word Colour Legend		Acronym	Responsible Positions		Hierarchy of Control		Control Selections		
		Permits	SS	Sub-Contractor Supervisor	6. Elimination	0	%Controls ≥ Engineering	#DIV/0!			
		Refer to another activity in the PRR	SM	Site Manager	5. Substitution	0	%Controls < Engineering	#DIV/0!			
		Input required by the site team	FM	Foreman	4. Isolation	0					
Workplace Location:	Rosherville Mosman	Reference to PBS document	CA	Contracts Administrator	3. Engineering	0					
Issue Number:	0.1	NSW requirement only	EHSQ	EHSQ Manager	2. Administration	0					
Issue Date: Review Date	28/04/2021 20/06/2021 08/07/2021	New Document Review PRR Inclusion of SM, CM, CA Structural steel lift shaft	PE/SE	Project Engineer / Site Engineer	1. PPE	0					
										βCheck formulas in L2-L7 if you add rows to ensure range is correct	
										Delete Legislation / Codes not applicable to your jurisdiction	
Activity Description	Responsible Contractor	Hazard / Impact (Worst Credible Consequence)	Likelihood	Consequence	Risk Rating	Critical Control Measures	Hierarchy of Control Highest Level Control?	Monitoring Frequency?	Action by whom (Title)	Status	Legal and other requirements
Roofing / Mesh & Gutters		Falls person / materials from height / roof (i.e. Penetrations)	C Possible	3 Medium	9	HRSWMS in place for any High Risk Construction works. Correct PPE to be worn when handling materials.VOC for Plant use. Keep EWP clean and clear of any excess materials. The Catch or Capture philosophy must be employed as the primary control so to prevent the fall or reduce the distance of the fall. Lanyards/lethers must be used on all tools or equipment. Robust exclusion zones must be on place as a secondary control measure below areas where a risk of fall of materials/tools exists; these exclusion zones must account for potential arc of fall, deflection and bounce. Robust fencing shall be installed from a height of 2m-4m (pedestrian fencing type).	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . . .
Roofing / Mesh & Gutters		Unsuitable access to roof	D Unlikely	4 Large	8	Stretcher stair to provide access. Scaffold to have weekly certifications completed by competent scaffolder. No one is to alter the scaffold unless they are the employee of the contacted scaffolder. Restricted access to site via locable scaffold tubing entry and roof access register to completed for other trades wanting to enter roof zone.	4. Isolation	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . . .
Roofing / Mesh & Gutters		Crane & equipment failure	C Possible	5 Very Large	15	All lifting equipment must be in good condition and regularly serviced as per manufacturers specs(i.e. Spreader bars, chains, synthetic slings, clutches). Robust fencing shall be installed from a height of 2m-4m (pedestrian fencing type). Crane to work lower than 95% capacity. Set up in areas that are approved by the PBS Site Manager. Pre-start to be conducted on Crane before use. Crane to be less than 20yrs old and a 10yr structural inspection completed. Lift study for any loads over 20tonne or when expecting to use crane over 95% capacity. Do not operate crane in adverse weather conditions which may effect the load or crane. Crane maintenance to be up to date and any repairs to be done prior to lifting.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . . .
Roofing / Mesh & Gutters		Manual Handling issue laying sheets out	D Unlikely	3 Medium	6	Identified control measures must follow the Hierarchy of Control commencing with elimination of the high risk manual task where reasonably practicable; followed by the use of mechanical aids to reduce risks related to manual tasks. Ensure you keep the load close to the chest and bend your knees to pick up the load and lift with your legs with your back straight. bend the knees to lower the load then release the load to final position without over extending the back.	3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.
Roofing / Mesh & Gutters		Plant roll over	D Unlikely	4 Large	8	EWP to be operated on stable ground conditions. Competent VOC'd workers to operate EWP's over 11m. Before accessing work areas on the site, operators are to establish a route for safe access and set-up. Considerations of service trenches and penetrations should be taken into account.	2. Administration	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . . .
Roofing / Mesh & Gutters		Fire and Explosion when refuelling plant & equipment	C Possible	3 Medium	9	Hot works permit valid for activity if necessary. Area to be clear of any combustable material. Fire fighting equipment to be in date and in the vicinity of the refuelling activity. Haz goods to be stored correctly onsite and in ventilated areas. All personnel using chemicals to be inducted into the SWMS which are to include any controls as per the SDS for the specific product. All Jerry cans used must be returned to the Haz storage and secured, they are not to be left out onsite. Refuelling to be undertaken in identified locations away from other ignition sources.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, First aid in the workplace CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Welding processes CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .

PBS Project Risk Register



Workplace Location: Rosherville Mosman		Issue Number: 0.1		Issue Date: Review Date		Activity Description		Responsible Positions		Hierarchy of Control		Control Selections	
Responsible Contractor	Hazard / Impact (Worst Credible Consequence)	Likelihood	Consequence	Risk Rating	Critical Control Measures	Hierarchy of Control Highest Level Control?	Monitoring Frequency?	Action by whom (Title)	Status	Legal and other requirements			
Word Colour Legend Permits Refer to another activity in the PRR Input required by the site team Reference to PBS document NSW requirement only		Acronym SS SM FM CA EHSQ PE/SE		Responsible Positions Sub-Contractor Supervisor Site Manager Foreman Contracts Administrator EHSQ Manager Project Engineer / Site Engineer		Hierarchy of Control 6. Elimination 5. Substitution 4. Isolation 3. Engineering 2. Administration 1. PPE		Control Selections %Controls ≥ Engineering #DIV/0! %Controls < Engineering #DIV/0! βCheck formulas in L2-L7 if you add rows to ensure range is correct		Delete Legislation / Codes not applicable to your jurisdiction			
Issue Date: Review Date 28/04/2021 20/06/2021 08/07/2021 New Document Review PRR Inclusion of SM, CM, CA Structural steel lift shaft		Activity Description Responsible Contractor Hazard / Impact (Worst Credible Consequence) Likelihood Consequence Risk Rating Critical Control Measures Hierarchy of Control Highest Level Control? Monitoring Frequency? Action by whom (Title) Status Legal and other requirements		Roofing / Mesh & Gutters Cuts and Lacerations C Possible 3 Medium 9 All guards to be fitted to power tools, Leads/tools to be test n tagged 3 monthly and any RCD to be test n tagged monthly. Wear the correct PPE for use of power tool and hand tools i.e. Stanley Knives. Use retractable stanley knives.		3. Engineering SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections, SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's Open WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.							
Roofing / Mesh & Gutters Temperature extremes C Possible 1 Very Small 3 Sunscreen to be worn. Broad brims on hard hats. Consider rest breaks & job rotation. Undertake work at cooler times of the day. Provide adequate clothing that protects from the elements.		1. PPE Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections, SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's Open WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.											
Scaffolding Loss of load when unloading onsite with Telehandler C Possible 4 Large 12 All lifting equipment must be in good condition and regularly serviced as per manufacturers specs(i.e. Spreader bars, chains, slynetic slings, clutches). Robust fencing shall be installed from a height of 2m-4m (pedestrian fencing type) to not allow any unauthorised entry into exclusion zones. Crane to work lower than 95% capacity. Set up in areas that are approved by the PBS Site Manager. Pre-start to be conducted on Crane before use. Crane to be less than 20yrs old and a 10yr structural inspection completed. When expecting to use crane over 95% capacity a Lift study is to be completed. Do not operate crane in adverse weather conditions which may effect the load or crane. Crane maintenance to be up to date and any repairs to be done prior to lifting. When using excavator as a crane, SWL not be exceeded and All lifting gear to be inspected and approved for use. All loads to be secured when moving around the site via telehandler.		3. Engineering SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections, SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's Open WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP. Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . . .											
Scaffolding failure of structure D Unlikely 4 Large 8 Licenced competent scaffolders to only erect scaffolds and temp stair accesses. HRSWMS in place for any High Risk Construction works. Correct PPE to be worn when handling materials. The Catch or Capture philosophy must be employed as the primary control to prevent the fall or reduce the distance of the fall. Laneyards/tethers must be used on all tools or equipment. Robust exclusion zones must be on place as a secondary control measure below areas where a risk of fall of materials/tools exists; these exclusion zones must be in place when erecting or dismantling scaffold and must account for potential arc of fall, deflection and bounce. Robust fencing shall be installed from a height of 2m-4m (pedestrian fencing type) to not allow any unauthorised entry into exclusion zones.		4. Isolation Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections, SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's Open WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP. Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . . .											
Scaffolding fall of Materials/tools from height C Possible 3 Medium 9 HRSWMS in place for any High Risk Construction works. Correct PPE to be worn when handling materials.VOC for Plant use. Keep EWP clean and clear of any excess materials. The Catch or Capture philosophy must be employed as the primary control so that the intent of PBS Safety Guide is Plant induction and measures are taken to prevent the fall or reduce the distance of the fall. Laneyards/tethers must be used on all tools or equipment. Robust exclusion zones must be on place as a secondary control measure below areas where a risk of fall of materials/tools exists; these exclusion zones must account for potential arc of fall, deflection and bounce. Boom EWPs need to have mesh flooring so th ground is visible below operators feet. Robust fencing shall be installed from a height of 2m-4m (pedestrian fencing type).		3. Engineering SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections, SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's Open WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP. Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . . .											
Scaffolding Tampering of scaffold structure E Rare 4 Large 4 Exclusion zone while erecting and dismantling scaffold will be installed. If anyone is caught tampering with scaffold components, then they will be removed from site immediately.		3. Engineering Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections, SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's Open WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP. Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . . .											
Scaffolding Temperature extremes C Possible 1 Very Small 3 Sunscreen to be worn. Broad brims on hard hats. Consider rest breaks & job rotation. Undertake work at cooler times of the day. Provide adequate clothing that protects from the elements.		1. PPE Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections, SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's Open WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.											

PBS Project Risk Register



Word Colour Legend		Acronym	Responsible Positions		Hierarchy of Control		Control Selections				
	Permits	SS	Sub-Contractor Supervisor		6. Elimination	0	%Controls ≥ Engineering	#DIV/0!			
	Refer to another activity in the PRR	SM	Site Manager		5. Substitution	0	%Controls < Engineering	#DIV/0!			
	Input required by the site team	FM	Foreman		4. Isolation	0					
Workplace Location:	Rosherville Mosman	Reference to PBS document	CA	Contracts Administrator	3. Engineering	0					
Issue Number:	0.1	NSW requirement only	EHSQ	EHSQ Manager	2. Administration	0					
Issue Date: Review Date	28/04/2021 20/06/2021 08/07/2021	New Document Review PRR Inclusion of SM, CM, CA Structural steel lift shaft	PE/SE	Project Engineer / Site Engineer	1. PPE	0			Delete Legislation / Codes not applicable to your jurisdiction		
Activity Description	Responsible Contractor	Hazard / Impact (Worst Credible Consequence)	Likelihood	Consequence	Risk Rating	Critical Control Measures	Hierarchy of Control Highest Level Control?	Monitoring Frequency?	Action by whom (Title)	Status	Legal and other requirements
Scaffolding		Manual Handling	D Unlikely	3 Medium	6	Identified control measures must follow the Hierarchy of Control commencing with elimination of the high risk manual task where reasonably practicable; followed by the use of mechanical aids to reduce risks related to manual tasks. Ensure you keep the load close to the chest and bend your knees to pick up the load and lift with your legs with your back straight, bend the knees to lower the load then release the load to final position without over extending the back.	3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.
Scaffolding		Plant and People separation	C Possible	4 Large	12	Spotter to have positive communication with excavator operator during the task. Workers to stay outside the swing zone of the excavator. Exclusion zone around the excavation/ excavator to stop any unauthorised entry by other workers on the site. Hand signals or UHF radios to be used as positive communications. Workers to remain out of blind spots of any plant that may be delivering materials to site and spotter to guide any plant to final delivery position. Dogman to remain visible when guiding the delivery or installation of loads and to use positive comms.	4. Isolation	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . . .
Scaffolding		Affects of working in Inclement weather	C Possible	2 Small	6	All plant, especially lifting plant are not to work outside the manufacturers recommendations regards extreme weather i.e. wind speed. If lightning is present in the near sky or immediate sky above then all crane(s), EWP's and concrete booms must be lowered and persons to remain under cover in lunch sheds until the weather passes. In the event that the weather is extreme heat, then workers should consider rotating shifts or start work earlier or out of peak heat periods of the day. Drink plenty of water and take regular rest breaks in shaded or provided lunch sheds that have air-conditioning. In all types of weather you should always wear the appropriate PPE and extras i.e Sunscreen, Rain coat.....	4. Isolation	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS Act 2011, WHS Reg's 2017, Construction work CoP, Hazardous manual tasks CoP, How to manage work health and safety risks CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation CoP.
Security (Comms)		In-ground services strike	C Possible	4 Large	12	Sucker truck to be used to pot hole every 5m a known services, this will identify the service and the direction that it is going. PBS Excavation permit to be in place before any in-ground works begin. No use of an excavator within 1m of a service unless dispensation has been given by the PBS Regional EHS Manager.	4. Isolation	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction work CoP, Excavation work CoP, Hazardous manual tasks CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing electrical risks in the workplace CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation CoP.
Security (Comms)		Unexpected finds	E Rare	2 Small	2	PBS site specific Unexpected finds protocol to be followed	4. Isolation	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction work CoP, Excavation work CoP, Hazardous manual tasks CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing electrical risks in the workplace CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation CoP.
Security (Comms)		person hit by Excavator/Plant	C Possible	4 Large	12	Spotter to have positive communication with excavator operator during the task. Workers to stay outside the swing zone of the excavator. Exclusion zone around the excavation/ excavator to stop any unauthorised entry by other workers on the site. Hand signals or UHF radios to be used as positive communications. Workers to remain out of blind spots of any plant that may be delivering materials to site and spotter to guide any plant to final delivery position. Dogman to remain visible when guiding the delivery or installation of loads and to use positive comms.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . . .

PBS Project Risk Register



PBS Project Risk Register		Word Colour Legend		Acronym	Responsible Positions		Hierarchy of Control		Control Selections			
		Permits	Refer to another activity in the PRR	SS	Sub-Contractor Supervisor	6. Elimination	0	%Controls ≥ Engineering	#DIV/0!			
Workplace Location:		Rosherville Mosman	Reference to PBS document	CA	Contracts Administrator	3. Engineering	0	βCheck formulas in L2-L7 if you add rows to ensure range is correct				
Issue Number:		0.1	NSW requirement only	EHSQ	EHSQ Manager	2. Administration	0					
Issue Date: Review Date		28/04/2021 20/06/2021 08/07/2021	New Document Review PRR Inclusion of SM, CM, CA Structural steel lift shaft	PE/SE	Project Engineer / Site Engineer	1. PPE	0					
Activity Description		Responsible Contractor	Hazard / Impact (Worst Credible Consequence)	Likelihood	Consequence	Risk Rating	Critical Control Measures	Hierarchy of Control Highest Level Control?	Monitoring Frequency?	Action by whom (Title)	Status	Legal and other requirements
Security (Comms)			Plant and People separation	C Possible	4 Large	12	Spotter to have positive communication with excavator operator during the task. Workers to stay outside the swing zone of the excavator. Exclusion zone around the excavation/ excavator to stop any unauthorised entry by other workers on the site. Hand signals or UHF radios to be used as positive communications. Workers to remain out of blind spots of any plant that may be delivering materials to site and spotter to guide any plant to final delivery position. Dogman to remain visible when guiding the delivery or installation of loads and to use positive comms.	4. Isolation	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . .
Security (Comms)			roll over of excavator	D Unlikely	4 Large	8	Excavator is not to be set up inside the "Zone of Influence". ROPS / FOPS to be installed on All plant including but not limited to Grader, Roller, Skid Steer. Do not exceed the SWL of machine. Ensure lifting gear is test and tagged as ready for use by a competent person.	3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . .
Security (Comms)			fall of persons in to excavations	D Unlikely	2 Small	4	Flagging installed with signage 2m back from trenching. For Pit excavations over 1.5 - robust fencing to be installed and signage stating "Deep Excavation" and "Authorised persons only". Excavations over 1.5 to be benched, batter or shored. Safe means of access to be provided	3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.
Security (Comms)			Loss of load by lifting activities	D Unlikely	5 Very Large	10	All lifting equipment must be in good condition and regularly serviced as per manufacturers specs(i.e. Spreader bars, chains, slynetic slings, clutches). Robust fencing shall be installed from a height of 2m-4m (pedestrian fencing type) to not allow any unauthorised entry into exclusion zones. Crane to work lower than 95% capacity. Set up in areas that are approved by the PBS Site Manager. Pre-start to be conducted on Crane before use. Crane to be less than 20yrs old and a 10yr structural inspection completed. When expecting to use crane over 95% capacity a Lift study is to be completed. Do not operate crane in adverse weather conditions which may effect the load or crane. Crane maintenance to be up to date and any repairs to be done prior to lifting. When using excavator as a crane, SWL not to be exceeded and All lifting gear to be inspected and approved for use. All loads to be secured when moving around the site via telehandler.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . .
Security (Comms)			dust and glue inhalation	C Possible	3 Medium	9	Correct PPE to be worn. Works to be completed in a ventilated area and consider the use of fans if needed. SDS to be communicated to All workers involved in the task via TBT or SWMS.	2. Administration	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, First aid in the workplace CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Welding processes CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
Security (Comms)			Cuts and Lacerations	C Possible	3 Medium	9	All guards to be fitted to power tools, Leads/tools to be test n tagged 3 monthly and any RCD to be test n tagged monthly. Wear the correct PPE for use of power tool and hand tools i.e. Stanley Knives. Use retractable stanley knives.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.

PBS Project Risk Register



Workplace Location: Rosherville Mosman		Issue Number: 0.1		Issue Date: Review Date		Activity Description		Security (Comms)		Security (Comms)		Security (Comms)		Security (Comms)		Security (Comms)			
Word Colour Legend	Acronym	Responsible Positions		Hierarchy of Control		Control Selections		Responsible Contractor	Hazard / Impact (Worst Credible Consequence)	Likelihood	Consequence	Risk Rating	Critical Control Measures	Hierarchy of Control Highest Level Control?	Monitoring Frequency?	Action by whom (Title)	Status	Legal and other requirements	
Permits	SS	Sub-Contractor Supervisor		6. Elimination	0	%Controls ≥ Engineering	#DIV/0!												
Refer to another activity in the PRR	SM	Site Manager		5. Substitution	0	%Controls < Engineering	#DIV/0!												
Input required by the site team	FM	Foreman		4. Isolation	0														
Reference to PBS document	CA	Contracts Administrator		3. Engineering	0														
NSW requirement only	EHSQ	EHSQ Manager		2. Administration	0														
	PE/SE	Project Engineer / Site Engineer		1. PPE	0														
New Document Review PRR Inclusion of SM, CM, CA Structural steel lift shaft																		Delete Legislation / Codes not applicable to your jurisdiction	
28/04/2021		20/06/2021		08/07/2021															
3. Check formulas in L2-L7 if you add rows to ensure range is correct																			
Environmental damage from spills		D Unlikely		2 Small		4		All trolleys, tools and equipment to be washed out in a protected and designated wash out area. Concrete pump to blow out in plastic lined bin. Hand tools to be washed out in designated wash out area. All off cuts and construction rubbish to be put into the correct PBS bins only. Ensure that all activities where land is cleared, excavated or disturbed have sediment and erosion control devices implemented and maintained. Provide on-site treatment of any stormwater runoff where required. Determine preventative controls as well as physical controls such as covering of stockpiles or water spraying to eliminate or minimise dust being introduced into the atmosphere. Assess and implement mitigation measures for all noise and vibration related impacts on occupants, visitors, surrounding activities and owners where required to ensure operations do not adversely impact them. Plan and conduct all excavation, movement, treatment, processing or remediation of contaminated soils or groundwater in accordance with the requirements of high risk activities.		3. Engineering		Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,		SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's		Open		WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Work health and safety consultation, coordination and cooperation CoP. PBS Safety Guide .	
Manual handling issue when pulling cables through conduits and along cable trays		D Unlikely		3 Medium		6		Identified control measures must follow the Hierarchy of Control commencing with elimination of the high risk manual task where reasonably practicable; followed by the use of mechanical aids to reduce risks related to manual tasks. Ensure you keep the load close to the chest and bend your knees to pick up the load and lift with your legs with your back straight, bend the knees to lower the load then release the load to final position without over extending the back.		3. Engineering		Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,		SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's		Open		WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.	
Person falling from EWP		C Possible		4 Large		12		HRSWMS in place for any High Risk Construction works. Correct PPE to be worn when handling materials. VOC for Plant use. Keep EWP clean and clear of any excess materials. The Catch or Capture philosophy must be employed as the primary control to prevent the fall or reduce the distance of the fall. Lanyards/tethers must be used on all tools or equipment. Robust exclusion zones must be on place as a secondary control measure below areas where a risk of fall of materials/tools exists; these exclusion zones must account for potential arc of fall, deflection and bounce. Boom EWPs need to have mesh flooring so the ground is visible below operators feet. Robust fencing shall be installed from a height of 2m-4m (pedestrian fencing type).		3. Engineering		SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,		SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's		Open		WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide . .	
Falls of Materials from EWP		C Possible		3 Medium		9		HRSWMS in place, Plant induction tag to be issued before use. Emergency rescue procedures to be developed and signed into by any workers undertaking a task from an EWP. Correct use of EWPs, Exclusion zones to be in place for any working platform 2m or above High risk licence or VOC required for the use of booms over the 11m capacity. All works undertaken in accordance with the manufacturers instructions. SWL observed. EWP to be used on level ground. When travelling horizontally the bucket/working platform is to be lowered. All workers to be harnessed to EWP as required by manufacturer. Personnel trained and competent including HRWL for MEWP. Remain clear of edge of structure and adhere to exclusion zones where established and no screening protection provided. No standing on top rails or mid-rails to access work areas, access control bump bar to be fitted to all EWPs as per PBS Alert. Harness to be securely anchored to fixture provided inside EWP.		3. Engineering		SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,		SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's		Open		WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide .	
Falls from Ladders		C Possible		3 Medium		9		Platform ladders to be used in the first instance and step ladders can only be used for 15min durations for short spans of works. 3 points of contact at all times. Ladder to be stepped back from any edges of a building at least 3m or 1:1 rafter if a fuPBSedge screen has been installed.		2. Administration		SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,		SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's		Open		WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide .	

PBS Project Risk Register



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							%Controls ≥ Engineering	#DIV/0!			
	Permits	SS	Sub-Contractor Supervisor		6. Elimination	0	%Controls ≥ Engineering	#DIV/0!			
	Refer to another activity in the PRR	SM	Site Manager		5. Substitution	0	%Controls < Engineering	#DIV/0!			
	Input required by the site team	FM	Foreman		4. Isolation	0					
Workplace Location:	Rosherville Mosman	Reference to PBS document	CA	Contracts Administrator		3. Engineering	0	βCheck formulas in L2-L7 if you add rows to ensure range is correct			
Issue Number:	0.1	NSW requirement only	EHSQ	EHSQ Manager		2. Administration	0				
Issue Date: Review Date	28/04/2021 20/06/2021 08/07/2021	New Document Review PRR Inclusion of SM, CM, CA Structural steel lift shaft	PE/SE	Project Engineer / Site Engineer		1. PPE	0			Delete Legislation / Codes not applicable to your jurisdiction	
Activity Description	Responsible Contractor	Hazard / Impact (Worst Credible Consequence)	Likelihood	Consequence	Risk Rating	Critical Control Measures	Hierarchy of Control Highest Level Control?	Monitoring Frequency?	Action by whom (Title)	Status	Legal and other requirements
Security (Comms)		Materials falling from a ladder	C Possible	2 Small	6	Platform ladders to be used in the first instance and step ladders can only be used for 15min durations for short spans of works. 3 points of contact at all times. Ladder to be stepped back from any edges of a building at least 3m or 1:1 ratio if a full edge screen has been installed. Robust exclusion zones must be on place as a secondary control measure below areas where a risk of fall of materials/tools exists; these exclusion zones must account for potential arc of fall, deflection and bounce. Robust fencing shall be installed from a height of 2m-4m (pedestrian fencing type) to not allow any unauthorised entry into exclusion zones.	3. Engineering	Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide .
Security (Comms)		contact with live services in walls / ceilings	C Possible	4 Large	12	HRSWMS to be in place for the task. Energise or isolate permit may be necessary depending on the task. Aluminium ladders to be used, correct PPE. HOLD POINT - Contractor needs approval to energise, by the PBS Supervisor. Live temporary electrical cabling must be identified with yellow tag tape every 3m. All temporary electricity provided to socket (general purpose) outlets must be protected by a Residual Current Device. Isolate live cables where possible. Any works requiring drilling or cutting into areas, materials or structures that MAY contain live electrical shall be thoroughly investigated prior to works. An electrician is required to sign off prior to drilling/cutting within 2m of any alignment of GPO or electrical fitting, light switch. Every cable end (i.e. awaiting termination) must be folded over itself and taped to prevent eye damage and electric shock(in the event of inadvertent energisation).	4. Isolation	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction work CoP, How to manage work health and safety risks CoP, Managing electrical risks in the workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation CoP. PBS Safety Guide .
Security (Comms)		electrocution from commissioning works	C Possible	4 Large	12	HRSWMS to be in place for the task. All in ground services are to be located using DBYD, All in ground services that are within 1m of the direct work area are to be isolated(as per excavation permit), excavation permit / Energise or isolate permit may be necessary depending on the task, Aluminium ladders to be used, correct PPE. HOLD POINT - Contractor needs approval to energise, by the PBS Site Manager. Live temporary electrical cabling must be identified with yellow tag tape every 3m, where cabling is accessible. Competent Persons must carry out electrical inspection, testing and tagging of RCD's Monthly and leads 3 monthly. All temporary electricity provided to socket (general purpose) outlets must be protected by a Residual Current Device. Isolate live cables where possible. All contractors shall produce HRSWMS, identify the risks, hold points, testing procedures and identify Plant needed for reducing the risks etc. Drilling & cutting. Any works requiring drilling or cutting into areas, materials or structures that MAY contain live electrical shall be thoroughly investigated prior to works. An electrician is required to sign off prior to drilling/cutting within 2m of any alignment of GPO or electrical fitting, light switch. Electrical apprentices and trades assistants must work under the supervision of a licenced electrician at all times. All electrical work (other than inspection and testing of portable equipment) must be carried out by a licenced electrician & each electrician must verify their licence before they commence electrical works. Calibration of all testing equipment must be carried out at a minimum yearly. Cordless tools are encouraged to be used before power tools. Every cable end (i.e. awaiting termination) must be folded over itself and taped to prevent eye damage and electric shock(in the event of inadvertent energisation).	4. Isolation	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction work CoP, How to manage work health and safety risks CoP, Managing electrical risks in the workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation CoP. PBS Safety Guide .
Structural Steel		Falls of Person from EWP.	C Possible	4 Large	12	HRSWMS in place, Plant induction tag to be issued before use. Emergency rescue procedures to be developed and signed into by any workers undertaking a task from an EWP. Correct use of EWP's. Exclusion zones to be in place for any working platform 2m or above High risk licence or VOC required for the use of booms over the 11m capacity. All works undertaken in accordance with the manufacturers instructions. SWL observed. EWP to be used on level ground. When travelling horizontally the bucket/working platform is to be lowered. All workers to be harnessed to EWP as required by manufacturer. Personnel trained and competent including HRWL for MEWP. Remain clear of edge of structure and adhere to exclusion zones where established and no screening protection provided. No standing on top rails or mid-rails to access work areas, access control bump bar to be fitted to all EWP's as per PBS Alert. Harness to be securely anchored to fixture provided inside EWP.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide .
Structural Steel		Falls of Persons from Truck	C Possible	3 Medium	9	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	5. Substitution	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction Work CoP, How to manage work health and safety risks CoP, Managing the risk of falls at workplace CoP, Managing the risks of plant in the workplace CoP, Work health and safety consultation, coordination and cooperation, PBS Safety Guide .

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Word Colour Legend		Acronym	Responsible Positions		Hierarchy of Control		Control Selections				
	Permits	SS	Sub-Contractor Supervisor		6. Elimination	0	%Controls ≥ Engineering	#DIV/0!			
	Refer to another activity in the PRR	SM	Site Manager		5. Substitution	0	%Controls < Engineering	#DIV/0!			
	Input required by the site team	FM	Foreman		4. Isolation	0					
Workplace Location:	Rosherville Mosman	CA	Contracts Administrator		3. Engineering	0					
Issue Number:	0.1	EHSQ	EHSQ Manager		2. Administration	0					
Issue Date: Review Date	28/04/2021 20/06/2021 08/07/2021	PE/SE	Project Engineer / Site Engineer		1. PPE	0					
	New Document Review PRR Inclusion of SM, CM, CA Structural steel lift shaft								βCheck formulas in L2-L7 if you add rows to ensure range is correct		
Activity Description	Responsible Contractor	Hazard / Impact (Worst Credible Consequence)	Likelihood	Consequence	Risk Rating	Critical Control Measures	Hierarchy of Control Highest Level Control?	Monitoring Frequency?	Action by whom (Title)	Status	Legal and other requirements
Tiling		Manual Handling	D Unlikely	3 Medium	6	Identified control measures must follow the Hierarchy of Control commencing with elimination of the high risk manual task where reasonably practicable; followed by the use of mechanical aids to reduce risks related to manual tasks. Ensure you keep the load close to the chest and bend your knees to pick up the load and lift with your legs with your back straight, bend the knees to lower the load then release the load to final position without over extending the back.	3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.
Tiling		Environmental damage from spills	C Possible	1 Very Small	3	All trolleys, tools and equipment to be washed out in a protected and designated wash out area. Concrete pump to blow out in plastic lined bin. Hand tools to be washed out in designated wash out area. All off cuts and construction rubbish to be put into the correct PBS bins only. Ensure that all activities where land is cleared, excavated or disturbed have sediment and erosion control devices implemented and maintained. Provide on-site treatment of any stormwater runoff where required. Determine preventative controls as well as physical controls such as covering of stockpiles or water spraying to eliminate or minimise dust being introduced into the atmosphere. Assess and implement mitigation measures for all noise and vibration related impacts on occupants, visitors, surrounding activities and owners where required to ensure operations do not adversely impact them. Plan and conduct all excavation, movement, treatment, processing or remediation of contaminated soils or groundwater in accordance with the requirements of high risk activities.	3. Engineering	Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Work health and safety consultation, coordination and cooperation CoP. PBS Safety Guide .
Tiling		dust and fume inhalation	C Possible	3 Medium	9	Correct PPE to be worn. Works to be completed in a ventilated area and consider the use of fans if needed. SDS to be communicated to All workers involved in the task via TBT or SWMS.	2. Administration	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, First aid in the workplace CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Welding processes CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
Tiling		Noise and vibration	B Likely	1 Very Small	4	When using grinders for an extended period of time, then anti vibration gloves should be worn. Hearing protection should also be worn on top of the site specific PPE requirements.	3. Engineering	Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction work CoP, Hazardous manual tasks CoP, How to manage work health and safety risks CoP, Managing noise and preventing hearing loss at work CoP, Managing the risks of plant in the workplace CoP, Managing the work environment and facilities CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
Tiling		Cuts and Lacerations	C Possible	2 Small	6	All guards to be fitted to power tools, Leads/tools to be test n tagged 3 monthly and any RCD to be test n tagged monthly. Wear the correct PPE for use of power tool and hand tools I.e. Stanley Knives. Use retractable stanley knives.	3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.

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Workplace Location: Rosherville Mosman		Issue Number: 0.1		Issue Date: Review Date		Activity Description		Traffic control		Tunneling works		Waterproofing / Epoxy flooring		Waterproofing / Epoxy flooring	
Responsible Contractor	Hazard / Impact (Worst Credible Consequence)	Likelihood	Consequence	Risk Rating	Critical Control Measures	Hierarchy of Control Highest Level Control?	Monitoring Frequency?	Action by whom (Title)	Status	Legal and other requirements					
Permits	SS	Sub-Contractor Supervisor		6. Elimination	0	%Controls ≥ Engineering	#DIV/0!								
Refer to another activity in the PRR	SM	Site Manager		5. Substitution	0	%Controls < Engineering	#DIV/0!								
Input required by the site team	FM	Foreman		4. Isolation	0										
Reference to PBS document	CA	Contracts Administrator		3. Engineering	0										
NSW requirement only	EHSQ	EHSQ Manager		2. Administration	0										
New Document Review PRR Inclusion of SM, CM, CA Structural steel lift shaft	PE/SE	Project Engineer / Site Engineer		1. PPE	0					Delete Legislation / Codes not applicable to your jurisdiction					
Perfect Contracting	Unauthorised persons/public entering site. Untrained / inexperienced personnel. No procedures, guidelines or restrictions to control task actions. Plant malfunction/mechanical failure.	C Possible	3 Medium	3	Exclusion zones and warning signage to installed. Ensure all personnel involved in task are competent/trained/qualified accordingly. Blast management plan to be provided and reviewed. DBYD / location of services provided, reviewed & acknowledged. Confined space procedures to be implemented ie; ventilation, clear communications, spotter, supervision, emergency rescue procedures. Ensure PBS permit system implemented. SDS for NONEX to be provided & reviewed. All personnel involved in task must be trained in SWMS. Daily Pre start / tool box talk meetings to be conducted. Correct PPE to be used at all times. Maintenance records/ log books of all plant to be provided.	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Work health and safety consultation, coordination and cooperation CoP. PBS Safety Guide .					
	Manual Handling unloading Chemicals	D Unlikely	3 Medium	6	Identified control measures must follow the Hierarchy of Control commencing with elimination of the high risk manual task where reasonably practicable; followed by the use of mechanical aids to reduce risks related to manual tasks. Ensure you keep the load close to the chest and bend your knees to pick up the load and lift with your legs with your back straight. bend the knees to lower the load then release the load to final position without over extending the back.	3. Engineering	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.					
	Environmental damage from spills	C Possible	3 Medium	9	All trows, tools and equipment to be washed out in a protected and designated wash out area. Concrete pump to blow out in plastic lined bin. Hand tools to be washed out in designated wash out area. All off cuts and construction rubbish to be put into the correct PBS bins only. Ensure that all activities where land is cleared, excavated or disturbed have sediment and erosion control devices implemented and maintained. Provide on-site treatment of any stormwater runoff where required. Determine preventative controls as well as physical controls such as covering of stockpiles or water spraying to eliminate or minimise dust being introduced into the atmosphere. Assess and implement mitigation measures for all noise and vibration related impacts on occupants , visitors, surrounding activities and owners where required to ensure operations do not adversely impact them. Plan and conduct all excavation, movement, treatment, processing or remediation of contaminated soils or groundwater in accordance with the requirements of high risk activities.	3. Engineering	Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Work health and safety consultation, coordination and cooperation CoP. PBS Safety Guide .					

PBS Project Risk Register



Word Colour Legend		Acronym	Responsible Positions		Hierarchy of Control		Control Selections					
	Permits	SS	Sub-Contractor Supervisor		6. Elimination	0	%Controls ≥ Engineering	#DIV/0!				
	Refer to another activity in the PRR	SM	Site Manager		5. Substitution	0	%Controls < Engineering	#DIV/0!				
	Input required by the site team	FM	Foreman		4. Isolation	0						
Workplace Location:	Rosherville Mosman		Reference to PBS document	CA	Contracts Administrator		3. Engineering	0				
Issue Number:	0.1		NSW requirement only	EHSQ	EHSQ Manager		2. Administration	0				
Issue Date: Review Date	28/04/2021 20/06/2021 08/07/2021		New Document Review PRR Inclusion of SM, CM, CA Structural steel lift shaft	PE/SE	Project Engineer / Site Engineer		1. PPE	0				
Activity Description		Responsible Contractor	Hazard / Impact (Worst Credible Consequence)	Likelihood	Consequence	Risk Rating	Critical Control Measures	Hierarchy of Control Highest Level Control?	Monitoring Frequency?	Action by whom (Title)	Status	Legal and other requirements
Waterproofing / Epoxy flooring			dust and glue inhalation	C Possible	3 Medium	9	Correct PPE to be worn. Works to be completed in a ventilated area and consider the use of fans if needed. SDS to be communicated to All workers involved in the task via TBT or SWMS.	2. Administration	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, First aid in the workplace CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Welding processes CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
Waterproofing / Epoxy flooring			Fire or explosion from using bonding/cleaning products	C Possible	3 Medium	9	Fire fighting equipment to be in date and in the vicinity of the hazardous materials that's being used in case of accidental ignition. Haz goods to be stored correctly onsite and in ventilated areas. All personnel using chemicals to be inducted into the SWMS which are to include any controls as per the SDS for the specific product. Contractor to provide Lockable Bunded storage for their Hazardous storage	3. Engineering	SWMS Review, Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Excavation Work CoP, How to manage work health and safety risks CoP, Construction work CoP, First aid in the workplace CoP, How to manage work health and safety risks CoP, Labelling of workplace hazardous chemicals CoP, Managing risks of hazardous chemicals in the workplace CoP, Managing the risks of plant in the workplace CoP, Preparation of safety data sheets for hazardous chemicals CoP, Welding processes CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
Waterproofing / Epoxy flooring			Noise and vibration	B Likely	1 Very Small	4	When using floor grinders for an extended period of time, then anti vibration gloves should be worn. Hearing protection should also be worn on top of the site specific PPE requirements. Rotation of workers to be considered for lengthy periods of repetitive grinding tasks.	3. Engineering	Permits, Pre-starts, TBT's, Plans/Drawings, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction work CoP, Hazardous manual tasks CoP, How to manage work health and safety risks CoP, Managing noise and preventing hearing loss at work CoP, Managing the risks of plant in the workplace CoP, Managing the work environment and facilities CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .
Worker welfare			Mental health & hygiene risks	C Possible	2 Small	4	Toilets which have hot and cold water, lunch room including minimum boiling water, cold water and microwave and fridge, Change room. All facilities cleaned on a regular basis. No materials or tools to be stored in these facilities. Water Bubblers to be located minium every 2 level on site.	3. Engineering		SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Construction work CoP, Hazardous manual tasks CoP, How to manage work health and safety risks CoP, Managing noise and preventing hearing loss at work CoP, Managing the risks of plant in the workplace CoP, Managing the work environment and facilities CoP, Work health and safety consultation, coordination and cooperation CoP, PBS Safety Guide .

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Workplace Location: Rosherville Mosman		Issue Number: 0.1		Issue Date: Review Date		Activity Description		Site PPE		
Word Colour Legend		Acronym		Responsible Positions		Hierarchy of Control		Control Selections		
Permits	SS	Sub-Contractor Supervisor		6. Elimination	0	%Controls ≥ Engineering	#DIV/0!			
Refer to another activity in the PRR	SM	Site Manager		5. Substitution	0	%Controls < Engineering	#DIV/0!			
Input required by the site team	FM	Foreman		4. Isolation	0					
Reference to PBS document	CA	Contracts Administrator		3. Engineering	0					
NSW requirement only	EHSQ	EHSQ Manager		2. Administration	0					
	PE/SE	Project Engineer / Site Engineer		1. PPE	0				Delete Legislation / Codes not applicable to your jurisdiction	
Responsible Contractor	Hazard / Impact (Worst Credible Consequence)	Likelihood	Consequence	Risk Rating	Critical Control Measures	Hierarchy of Control Highest Level Control?	Monitoring Frequency?	Action by whom (Title)	Status	Legal and other requirements
	Sunburn	C Possible	1 Very Small	3	Short sleeve shirts can be worn onsite. PBS to provide sunscreen stations attached to the nurse calls located onsite. Sunscreen to be worn. Broad brims on hard hats. Consider rest breaks & job rotation. Undertake work at cooler times of the day. Provide adequate clothing that protects from the elements.	1. PPE	Permits, Pre-starts, TBT's, Plant inspections, Onsite inspections,	SM, Foreman, PBSCW, CA, EHS&Q Manager, Contractors Supervisor, HSR, CW's	Open	WHS ACT 2011, WHS Reg's 2017, Hazardous manual tasks CoP, Construction work CoP, How to manage work health and safety risks CoP, Work health and safety consultation, coordination and cooperation CoP.