

PBS Project Risk Register

PBS Project Risk Register (PRR)



| Workplace Location: St Hedwigs Village, 134-140 Reservoir Rd, Blacktown | | Acronym | Responsible Positions | | | Hierarchy of Control | | Control Selections | | %Controls ≥ Engineering 91% %Controls < Engineering 9% &Check formulas in L2-L7 if you add rows to ensure range is correct Delete Legislation / Codes not applicable to your jurisdiction | |
|---|---|--|----------------------------------|-------------|-------------|--|--|--|--------------|--|--|
| Issue Number: | Rev 5.0 Updated to clarify Electrical Easment Controls | SS | Sub-Contractor Supervisor | | | 6. Elimination | | 3 | | | |
| Issue Date: | 22/09/2021 | SM | Site Manager | | | 5. Substitution | | 6 | | | |
| | | FM | Foreman | | | 4. Isolation | | 71 | | | |
| | | CA | Contracts Administrator | | | 3. Engineering | | 109 | | | |
| | | EHSQ | EHSQ Co-Ordinator | | | 2. Administration | | 19 | | | |
| | | PE/SE | Project Engineer / Site Engineer | | | 1. PPE | | 0 | | | |
| Activity Description | High Risk Construction Work | Hazard / Impact (Worst Credible Consequence) | Likelihood | Consequence | Risk Rating | Mandatory Control Measures | Site Specific Control Measures | Hierarchy of Control (Highest Level Control) | Responsible | Status | Legal and other requirements |
| Abseiling outside structure perimeter | | Hit by Falling Objects | C Possible | 3 Medium | 9 | Physical barriers to be in place as an exclusion zone to prevent access underneath the work area and must take into consideration the arc, fall and bounce of materials and tools. Signage to be installed. Tools to be on lanyards. Authorised person only to be in direct workzone. | Traffic Control in place for public areas. Materials to be hoisted down on lanyards. | 4. Isolation | SS / SM | 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 |
| Air - Conditioning | Risk of Person Falling more than 2m | Fall of Person | C Possible | 3 Medium | 9 | Platform ladders or EWP's are to be used in the first instance. Work trestles a minimum width of 450mm can be used. Step Ladders may only be used for minor works which take less than 15 minutes to complete and 3 points of contact must be maintained. 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. Ladders to be stepped back from any edges of a building/balconies at least 3m or 1:1 ratio if a full perimeter screen/scaffold has been installed. | Ticketed Personnel required for operation of EWP. Harness to be worn and connected prior to bucket being raised. Harness to be inspected daily before use and maintained as per manufacturer specifications. Mobile scaffold to be used. Any mobile scaffold over 4m needs to be erected by a ticketed scaffolder. | 3. Engineering | SS / SM | 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 |
| Air - Conditioning | | Fire/Explosion | D Unlikely | 3 Medium | 6 | Hot Works Permit to be in place. Area to be clear of combustible materials. Correct PPE to be worn. Flash back arrestors connected to all oxy sets. | | 3. Engineering | SS / SM / FM | 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, Welding processes COP |
| Air - Conditioning | Is carried out in an area at a workplace in which there is any movement of powered mobile plant | Hit by Moving Plant | C Possible | 4 Large | 12 | No one is to approach plant unless confirmation has been received by the operator that it is ok to approach. All plant to have flashing beacons operating. Mobile phones not to be used when operating plant and equipment. Operator to be appropriately Trained / Ticketed. | Exclusion zone to be in place to prevent unauthorised entry to work area. Access ways to be redirected to ensure no personnel inside operating areas. Outriggers of crane to be protected by jersey kurbs or similar to prevent contact from other plant/vehicles. Use Tag Lines when appropriate to control lift weight &/or large panel lifts in windy conditions. Dogman and Operator to sign into Crane Management Sub Plan. Spotter/Dogman to have positive communication with operator (via hand signals, whistle or UHF radio) at all times. Seat belts to be worn at all times where fitted. Refer to mobile crane operations activity in this PRR | 4. Isolation | SS / SM / FM | 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, Managing the risks of plant in the workplace COP |
| Air - Conditioning | | Cuts and Lacerations | C Possible | 2 Small | 6 | All guards to be fitted to power tools. Wear gloves when working with sharp steel edges. Eye Protection to be worn when cutting metalwork. | Hot works Permit to be in place | 3. Engineering | SS / SM / FM | 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 |
| Air - Conditioning | | Plant Failure | D Unlikely | 3 Medium | 6 | All duct lifters and portable type hoists must have a breaking 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 | SS / SM | 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, Managing the risks of plant in the workplace COP |
| Air - Conditioning | | Hit by Falling Objects | D Unlikely | 4 Large | 8 | Authorised person only to be in direct workzone. | Tools to be on lanyards when working above 2m fall risk. Physical barriers to be in place as an exclusion zone and must take into consideration the arc, fall and bounce of materials and tools. Area to be bunted off with signage to prevent unauthorised access. | 4. Isolation | SS / SM / FM | 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 |
| All Trades | | Electric Shock | B Likely | 3 Medium | 12 | Electrical equipment to be tested and tagged by competent person minimum 3 monthly. RCD's to be tested by a qualified person monthly and trip times to be recorded and given to PBS. Lead stands or insulated hooks must be used to elevate leads above head height. | | 3. Engineering | SS/SM | 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; |
| All Trades | | Manual Handling Injury | C Possible | 3 Medium | 9 | Ensure load is close to the chest and bend the knees to pick up the load. Lift with legs keeping back straight. Bend the knees to lower the load then release the load to final position without over extending the back. Contractor to ensure all workers are inducted into the trade specific safe working procedures for manual handling. (eg subcontractor WHS Plan, Training Register.) | Use Mechanical Aids. Team Lifts to occur. | 3. Engineering | SS/SM | 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, Hazardous manual tasks COP. |
| Concrete Coring | Risk of Person Falling more than 2m | Fall of Person | B Likely | 4 Large | 16 | Platform ladders or EWP's are to be used in the first instance. Work trestles a minimum width of 450mm can be used. Step Ladders may only be used for minor works which take less than 15 minutes to complete and 3 points of contact must be maintained. Ladders to be stepped back from any edges of a building/balconies at least 3m or 1:1 ratio if a full perimeter screen/scaffold has been installed. | Catch deck to be installed underneath area being cored. Exclusion Zone with spotter to be set up and signage in place. | 3. Engineering | SS / SM / FM | 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 |
| Concrete Coring | | Hit by Falling Objects | A Almost Certain | 3 Medium | 15 | Concrete Coring Work Permit to be issued. Physical barriers to be in place as an exclusion zone and must take into consideration the arc, fall and bounce of materials and tools underneath the area being cored. Area to be bunted off with signage to prevent unauthorised access. Authorised person only to be in direct workzone. | | 4. Isolation | SS / SM | 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 |

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| Concrete Coring | Carried out in an area that may have a contaminated atmosphere | Dust Inhalation | A Almost Certain | 2 Small | 10 | Internal Risk - P2/P3 dust mask to be worn. External Risk - Constant Hosing down with water to be undertaken. | Use of Fans for internal risk. Power tools to have vaccum /water attachments | 3. Engineering | SS / SM | 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, Managing risks of hazardous chemicals in the workplace COP |
| Concrete Coring | Is carried out on or near energised electrical installations or services | Contact with Live Existing Services | B Likely | 4 Large | 16 | Concrete Coring Work Permit to be issued. If services located in direct coring zone then additional Energisation/Isolation Permit to be issued and completed. Visual inspection to be conducted for underslab services. | | 3. Engineering | SS / SM / FM / SE / CA | 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, Managing electrical risk in the workplace COP |
| Concrete Placement | | Environmental Contamination from Spill of Hazardous Chemicals/Substances | C Possible | 2 Small | 6 | Designated washout / recycling areas for concrete and concrete equipment with regular monitoring. | | 4. Isolation | SS / SM / FM | 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, Managing risks of hazardous chemicals in the workplace COP |
| Concrete Placement | | Failure of Structure | D Unlikely | 5 Very Large | 10 | Structural Engineer Certification to be received prior to pour for formwork deck. Hold Point - PBS pre pour checklist to be conducted prior to pour of deck commences. Level underneath formwork deck being poured to be closed off and only restricted access allowed (i.e Formwork spotter) | Securing requirements, load points, 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. | 4. Isolation | SS / SM / FM / SE / CA | 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, Safe Design of Structures COP |
| Concrete Placement | | Exposure to Hazardous Material | C Possible | 2 Small | 6 | Correct PPE to be worn. SDS to be communicated to all workers involved in the task via TBT, training register or SWMS. Hazardous Materials to be stored in designated storage area immediately after use. | | 4. Isolation | SS / SM | 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, Managing risks of hazardous chemicals in the workplace COP |
| Concrete Placement | | Fall of Person | B Likely | 4 Large | 16 | Fall Protection must be in place and all reo bars are capped prior to commencing. | Suitable work platforms must be in place for pouring at height. | 3. Engineering | SS / SM | 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 |
| Concrete Placement | | Fatigue | C Possible | 2 Small | 6 | Rotate work crews. Monitor number of workers and hours worked. Contractors to provide ways home for workers that may be too fatigued to drive home. Site to have designated rest areas. Min 10hr break between shifts. | Works conducted IAW approved DA hours. | 2. Administration | SS / SM | 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 |
| Concrete Placement | | Hit by Falling Objects | B Likely | 3 Medium | 12 | A system must be in place to alert workers of changed boom position. Concreters not to collect any loads by crane. Dogman to land loads i.e helicopters etc. Authorised person only to be in direct workzone. | Documented check to confirm suitable barrier in place with no gaps in containment screens / scaffold to prevent concrete slurry falling to ground. | 3. Engineering | SS / SM | 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 |
| Concrete Placement | | Working in Cold, Inclement or Windy Weather | C Possible | 2 Small | 6 | Heated amenities to be provided. Suitable Access / Egress to be provided to work areas. Concrete Placing Boom not to work outside the manufacturer's recommendations regards extreme weather (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. | Inspection to be conducted prior to gates of site open by PBS Site Manager/ EHS Committee to assess all access routes. Any unsuitable work areas are to be barricaded off with physical barrier until deemed safe to enter. | 4. Isolation | SS / SM / HSR | 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, Managing the work environment and facilities COP |
| Concrete Placement | | Working in High Temperatures - Heat Stress/Heat Exhaustion | C Possible | 2 Small | 6 | Sufficient quantities of cool drinking water is readily available close to work areas. Regularly rotate workers who perform more strenuous activities with less demanding tasks. Take regular work breaks in cooler areas such as air conditioned sheds. | Shade Covers to be installed. Workers to consider wearing broad brimmed hats and sunglasses for UV protection. | 3. Engineering | SS / SM / HSR | 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, Managing the work environment and facilities COP |
| Concrete Placement | Carried out in an area that may have a contaminated atmosphere | Dust Inhalation | C Possible | 2 Small | 6 | Internal Risk - P2/P3 dust mask to be worn. External Risk - Constant Hosing down with water to be undertaken. | Use of Fans for internal risk. Power tools to have vaccum attachments | 3. Engineering | SS / SM | 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, Managing risks of hazardous chemicals in the workplace COP |
| Concrete Pump | Is carried out in an area at a workplace in which there is any movement of powered mobile plant | Plant Over-Turning | C Possible | 4 Large | 12 | Set up in an area that is approved by PBS Site Manager. Plant is not to set up or traverse within the zone of influence of a service trench/ excavation or on a service trench. Outriggers must be set up on stable ground. Licenced operators to operate boom/satellite pumps only. | Penetration covers to be physically secured with signage and be of sufficient strength to support likely plant or equipment in the area. If sizable penetration, load & point limits to be displayed. Compaction test is required prior to set up of outriggers on disturbed soil. Outriggers of crane to be protected by jersey kerbs or similar to prevent contact from other plant/vehicles. | 3. Engineering | SS / SM | 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, Managing the risks of plant in the workplace COP |

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| Concrete Pump | | Plant Failure | C Possible | 4 Large | 12 | Ensure safety pins are installed to line connectors. Monthly pipe thickness tests to be conducted and checked to ensure minimum density allowance is not exceeded. Servicing and maintenance to be done as per manufacturer's specifications | MEAT inspections to be conducted. | 3. Engineering | SS / SM | 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, Managing the risks of plant in the workplace COP |
| Concrete Pump | Is carried out in an area at a workplace in which there is any movement of powered mobile plant | Hit by Moving Plant | B Likely | 4 Large | 16 | Linesman to have positive communication with pump operator when positioning the line. Pump operator to have full sight of where concrete boom is being positioned. | Line Pump stands to be used on deck and for static lines on the ground. | 3. Engineering | SS / SM | 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, Managing the risks of plant in the workplace COP |
| Concrete Pump | | Environmental Contamination from Spill of Hazardous Chemicals/Substances | C Possible | 2 Small | 6 | Cattlegrid to be installed at egress point to site. Wash Area to be established as required. | | 4. Isolation | SS / SM | 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, Managing risks of hazardous chemicals in the workplace COP |
| Concrete Pump | | Working in Cold, Inclement or Windy Weather | C Possible | 1 Very Small | 3 | Heated amenities to be provided. Suitable Access / Egress to be provided to work areas. Concrete Placing Boom not to work outside the manufacturer's recommendations regards extreme weather (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. | Inspection to be conducted prior to gates of site open by PBS Site Manager/ EHS Committee to assess all access routes. Any unsuitable work areas are to be barricaded off with physical barrier until deemed safe to enter. | 4. Isolation | SS / SM / HSR | 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, Managing the work environment and facilities COP |
| Concrete Pump | | Working in High Temperatures - Heat Stress/Heat Exhaustion | C Possible | 1 Very Small | 3 | Sufficient quantities of cool drinking water is readily available close to work areas. Regularly rotate workers who perform more strenuous activities with less demanding tasks. Take regular work breaks in cooler areas such as air conditioned sheds. | Shade Covers to be installed. Workers to wear broad brimmed hats and sunglasses for UV protection. | 3. Engineering | SS / SM / HSR | 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, Managing the work environment and facilities COP |
| Confined Space | Risk of Person Falling more than 2m | Fall of Person | 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 | SS / SM | 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 | Engulfment / Asphixiation | 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 | SS / SM / FM | 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 |
| Crane - lifted work boxes | | Hit by Falling Objects | A Almost Certain | 4 Large | 20 | All work boxes must be design registered with Relevant Authority. Workbox must be securely attached to crane hook. Directions to crane operator should only be provided from work box by licensed dogger / rigger. Authorised person only to be in direct workzone. | | 3. Engineering | SS / SM | 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 |
| Crane - lifted work boxes | Risk of Person Falling more than 2m | Fall of Person | B Likely | 4 Large | 16 | Full body fall - arrest harnesses to be worn at all times (except when using 1st aid crane box) & be attached to work box anchor points or to crane main sling ring above heads of workers. Emergency retrieval arrangements to be in place before lift commences. | | 3. Engineering | SS / SM | 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 |
| Crane - lifted work boxes | | Plant Failure | C Possible | 4 Large | 12 | All work boxes must be design registered with Relevant Authority. Workbox must be securely attached to crane hook. Emergency retrieval arrangements to be in place before lift commences | | 3. Engineering | SS / SM | 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, Managing the risks of plant in the workplace COP |
| Electrical Easement | | Contact with Energised services or breaching exclusion zones | D Unlikely | 5 Very Large | 10 | Easement Exclusion Zone Identified by flagging. Exclusion Zone included in Site inductions. No Works to occur in Exclusion without PBS Site Manager approval and Endeavour Energy (EE) Authorisation Permit. Temporary Fence to be earthed within easement IAW EE guidelines and AS3000. | 1. Risk Assessment and crane crew to be inducted to site crane plan including lifting radiuses 2. The Electrical Easement is located on the western edge of site and is a Restricted Work Area. All works conducted within the Electrical Easement is to have prior approval site from the PBS Site Manager with a PBS Restricted Work Area or Excavation Permit lodged with and approved by the PBS Site Manager or Foreman. 3. Where works involve equipment or plant that extends greater than 4.3 meters above ground level PBS are required to seek authorisation from Endeavour Energy with the Endeavour Energy permit retained on site by PBS and contractors involved in works. 4. Crane Sub plan to identify site map with easement area and visual indicators on site for crane crew. 5. Slewing and luffing restricter fitted to crane to prevent boom entering easement area. Visual demarcation of Easement border to be put in place on site. | 4. Isolation | SS / SM | 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, Work Cover Work Near Overhead Powerlines COP, Endeavour Energy Easements and Property Tenure (MDI0044), Endeavour Energy General Restrictions for Overhead Power Lines - 7-4-2020. |

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| Electrical | Risk of Person Falling more than 2m | Fall of Person | C Possible | 4 Large | 12 | Platform ladders or EWP's are to be used in the first instance. Work trestles a minimum width of 450mm can be used. Step Ladders may only be used for minor works which take less than 15 minutes to complete and 3 points of contact must be maintained. 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. Ladders to be stepped back from any edges of a building/balconies at least 3m or 1:1 ratio if a full perimeter screen/scaffold has been installed. | Competent person to only use EWP below 11m. Ticketed Personnel required for operation of EWP over 11m. Harness to be worn and connected to boom EWP type prior to bucket being raised. Harness to be inspected daily before use and maintained as per manufacturer specifications. Mobile scaffold to be used. Any mobile scaffold over 4m needs to be erected by a ticketed scaffolder. | 3. Engineering | SS / SM | 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 |
| Electrical | Is carried out on or near energised electrical installations or services | Electrocution | A Almost Certain | 4 Large | 20 | Install RCD protected temporary boards at each level in nominated location being hard wired with 4mm cable (i.e no spider / wander boards allowed). Temporary boards must be physically secured to prevent overturn of board and front covers must be lockable. Temporary boards must have locked covers over circuit - breakers and RCDs associated with outgoing circuits apart from the main switch/isolating switch which must be readily accessible in the event of an emergency. Temp Boards must have signage installed on the front cover. Lock out/Tag out system to be used when isolation of electrical feed required. Isolation / Energisation Permit to be issued. 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 leads 3 monthly and a Qualified person must test RCD's monthly. All temporary electricity provided to socket (general purpose) outlets must be protected by a Residual Current Device. Each Temporary Board & all construction wiring installations must have a completed copy of ACT CES/ NSW CCEW / QLD CTC provided to PBS following each energisation. Electrical apprentices and trade 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 as per manufacturers instructions. 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). RCD Trip Times to be recorded monthly on a register. HR SWMS to include emergency procedure. | Permanent House Distribution Boards displayed power supplier / Authority compliance labels which allow power connection area a higher control level confirming 'test and tag' requirements. Permanent House Distribution Boards must be fitted with mechanical protection to prevent leads being damaged before use by contractors. | 4. Isolation | SS / SM / FM | 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, Managing electrical risks in the workplace COP |
| Electrical | | Hit by Falling Objects | B Likely | 3 Medium | 12 | Authorised person only to be in direct workzone. Authorised person only to be in direct workzone. | Tools to be on lanyards when working above 2m fall risk. Physical barriers to be in place as an exclusion zone and must take into consideration the arc, fall and bounce of materials and tools. Area to be bunted off with signage to prevent unauthorised access. | 4. Isolation | SS / SM | 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 |
| Electrical | Is carried out in an area at a workplace in which there is any movement of powered mobile plant | Hit by Moving Plant | C Possible | 4 Large | 12 | No one is to approach plant unless confirmation has been received by the operator that it is ok to approach. All plant to have flashing beacons operating. Mobile phones not to be used when operating plant and equipment. Operator to be appropriately Trained / Ticketed. | Exclusion zone to be in place to prevent unauthorised entry to work area. Access ways to be redirected to ensure no personnel inside operating areas. Outriggers of crane to be protected by jersey kurbs or similar to prevent contact from other plant/vehicles. Use Tag Lines when appropriate to control light weight &/or large panel lifts in windy conditions. Dogman and Operator to sign into Crane Management Sub Plan. Spotter/Dogman to have positive communication with operator (via hand signals, whistle or UHF radio) at all times. Seat belts to be worn at all times where fitted. Refer to mobile crane operations activity and excavation activity in this PRR. | 4. Isolation | SS / SM | 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, Managing the risks of plant in the workplace COP |
| Electrical | | Cuts and Lacerations | C Possible | 2 Small | 6 | All guards to be fitted to power tools. All PPE requirements shall be assessed in the contractors HR SWMS | Power and battery operated tools must have manufacturers guards fitted. | 3. Engineering | SS / SM / FM | 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 |
| Electrical | | Fire/Explosion | B Likely | 3 Medium | 12 | Hot Works Permit to be in place Or Isolation / Energisation Permit to be in place. Area to be clear of combustible materials. Correct PPE to be worn. | | 2. Administration | SS / SM / FM | 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, Welding processes COP |
| Electrical | | Exposure to Hazardous Material | C Possible | 2 Small | 6 | Correct PPE to be worn. SDS to be communicated to all workers involved in the task via TBT, training register or SWMS. Hazardous Materials to be stored in designated storage area immediately after use. | Hazardous Materials and Dangerous Goods sub plan to be in place. | 4. Isolation | SS / SM | 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, Managing risks of hazardous chemicals in the workplace COP |
| Emergency Planning | | Emergency Risk Assessment | E Rare | 4 Large | 4 | Fire extinguisher to be located at every exit point and/or every 500 square metres. Nurse Call point and/or air horn 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. | PBS will have a multipurpose spill kit available as a back up. 2 x 50 Litre Spill Kits to be held onsite. 1 fire extinguisher (to suit class a,b,c & electrical fire) on each storey adjacent to each exit or temporary stairway at all times. After building reaches 12m effective height, required fire hydrants & fire hose reels must be operational every storey (except the 2 uppermost floors). Emergency Evacuation Map to be installed on every level / at each exit point. | 3. Engineering | SS / SM | 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, Managing the work environment and facilities COP, First aid in the workplace COP |
| Excavation | Involves, or is likely to involve, the disturbance of asbestos | Exposure to Hazardous Dust | C Possible | 3 Medium | 9 | Unexpected finds protocol to be followed if unknown. If Known, and less than 10m2 PBS to engage an asbestos removalist and monitor tracking of waste to certified waste treatment plant. If Asbestos waste is over 10m2 then relevant authorities shall be notified and an Asbestos removalist shall be engaged. Any health monitoring shall be conducted as per the advice of the Asbestos removalist occupation hygienist. Test holes of soil conditions to be completed by consultant and results provided to PBS. All PPE requirements are to be worn i.e Masks, jump suits. Decontamination of any exposed clothing/PPE shall be undertaken before leaving the effected area. | Contaminated areas to be bunted off using physical barriers and signage installed. Plastic to be installed over contaminated areas to prevent risk of dust arising until removal process is initiated. All workers to hold asbestos awareness training. | 3. Engineering | SS / SM | 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 |
| Excavation | Is carried out on or near pressurised gas distribution mains or piping; is carried out on or near energised electrical installations or services | Contact with In-Ground Services | A Almost Certain | 4 Large | 20 | Excavation Permit required when penetrating the ground 200mm or more. Digging by mechanical means is not to be carried out within 1m of a known live service unless EHSQ Manager has been consulted | DBYD and ShoreSearch 2020 Utility Locating Report and Service Docket to be reviewed. Installed Services are to be installed in accordance with approved coordinated design. All new services are to be run and installed outside of designated work areas. Energise/isolate Permit may also be required. | 3. Engineering | SS / SM / FM | 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, Excavation COP, Managing electrical risks in the workplace |

PBS Project Risk Register



| Workplace Location: St Hedwigs Village, 134-140 Reservoir Rd, Blacktown | | Acronym | Responsible Positions | | | Hierarchy of Control | | Control Selections | | %Controls ≥ Engineering 91% %Controls < Engineering 9% &Check formulas in L2-L7 if you add rows to ensure range is correct Delete Legislation / Codes not applicable to your jurisdiction | |
|---|---|--|----------------------------------|-------------|-------------|--|---|--|---------------|--|--|
| Issue Number: | Rev 5.0 Updated to clarify Electrical Easment Controls | SS | Sub-Contractor Supervisor | | | 6. Elimination | 3 | | | | |
| Issue Date: | 22/09/2021 | SM | Site Manager | | | 5. Substitution | 6 | | | | |
| | | FM | Foreman | | | 4. Isolation | 71 | | | | |
| | | CA | Contracts Administrator | | | 3. Engineering | 109 | | | | |
| | | EHSQ | EHSQ Co-Ordinator | | | 2. Administration | 19 | | | | |
| | | PE/SE | Project Engineer / Site Engineer | | | 1. PPE | 0 | | | | |
| Activity Description | High Risk Construction Work | Hazard / Impact (Worst Credible Consequence) | Likelihood | Consequence | Risk Rating | Mandatory Control Measures | Site Specific Control Measures | Hierarchy of Control (Highest Level Control) | Responsible | Status | Legal and other requirements |
| Excavation | Is carried out in or near a shaft or trench with an excavated depth greater than 1.5 metres | Collapse of Excavation / Trenching | A Almost Certain | 4 Large | 20 | Excavation Permit required when penetrating the ground 200mm or more. Excavation / Trench must be either benched; battered; shored or a combination of all if deeper than 1.5m; otherwise proceed as per Geotech report requirements. Any amendments outside geotech report must be signed off by relevant qualified engineer prior to works occurring. Physical Barrier to be installed along top of excavation / trench to prevent plant / vehicles entering the zone of influence. Any spoil must not be stored within zone of influence and must be stored on down slope side. | Shoring Boxes to provide suitable access in/out of excavation. Adjacent structures, roads and footpaths must be supported or protected to prevent collapse. | 4. Isolation | SS / SM / FM | 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 |
| Excavation | Risk of Person Falling more than 2m | Fall of Person | B Likely | 4 Large | 16 | Visual barrier to be installed minimum of 2m back from edge of excavation or Physical barrier installed if closer than 2m to edge. Suitable access to be provided to excavation that does not expose workers to risk of fall. "Deep Excavation" signage to be installed around edge of excavation where deeper than 1.5m | | 3. Engineering | SS / SM | 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 |
| Excavation | Is carried out in an area at a workplace in which there is any movement of powered mobile plant | Hit by Moving Plant | B Likely | 4 Large | 16 | When using an excavator - Spotter to have positive communication with operator (via hand signals or UHF radio) at all times. No one is allowed in the swing zone of the piece of plant. No one is to approach plant unless the bucket/arm has been lowered and confirmation has been received by the operator that it is ok to approach. All plant to have flashing beacons operating. Mobile phones not to be used when operating plant and equipment. | Exclusion zone to be in place to prevent unauthorised entry to work area. | 3. Engineering | SS / SM | 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, Managing the risks of plant in the workplace COP |
| Excavation | Is carried out in an area at a workplace in which there is any movement of powered mobile plant | Hit by Falling Objects | C Possible | 3 Medium | 9 | Any spoil must be stored at least 1m back from edge and on down slope side. All lifting gear is to be maintained as per manufacturer specifications and inspected daily by a competent person - Synthetic slings are to be checked 3 monthly and documented on a register. Chains are to be tested yearly and documented on a register. The SWL of lifting equipment is not to be exceeded. Weight of load to be lifted to be predetermined by a qualified person and marked on load. Selection of sling & slinging techniques for load is predetermined by a competent person. Lifting points are to be predetermined by a competent person and marked on the load. Standard lifting procedures must be documented within HR SWMS. Authorised person only to be in direct workzone. | Physical Barriers to be in place around edge of excavation to prevent the fall of materials / tools into excavation. Tools and materials must be stored at least 1m back from edge of excavation which is deeper than 1.2m deep. | 3. Engineering | SS / SM | 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, Excavation COP |
| Excavation | Is carried out in an area at a workplace in which there is any movement of powered mobile plant | Plant Over-Turning | C Possible | 4 Large | 12 | ROPS/FOPS to be installed on all plant involved in the work activity. Physical Barrier to be installed along top of excavation / trench to prevent plant / vehicles entering the zone of influence. The SWL of plant and its attachments is not to be exceeded. Seat Belts to be worn where fitted. | Penetration covers to be physically secured with signage and be of sufficient strength to support likely plant or equipment in the area. If sizable penetration, load & point limits to be displayed. | 3. Engineering | SS / SM | 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, Managing the risks of plant in the workplace COP, Excavation COP |
| Excavation | | Fire/Explosion when refuelling plant and equipment | C Possible | 3 Medium | 9 | Hazardous Materials to be stored in designated storage area immediately after use. Fire Fighting equipment to have tag in date of 6 months and be readily accessible to the refuelling area. Refuelling area to be clear of any combustible material. | Designated refuelling area to be identified with signage on site. Hazardous Chemicals and Dangerous Goods Management Sub Plan to be in place. | 4. Isolation | SS / SM | 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, Managing risks of hazardous chemicals in the workplace COP |
| Excavation | | Environmental Contamination from Spill of Hazardous Chemicals/Substances | C Possible | 2 Small | 6 | Contractor to provide, and have readily available access to, a spill kit which is appropriately sized for the risk of spill when refuelling or if damage was to occur to a piece of plant and equipment. Workers must be trained in the use of spill kits and the SDS's for chemicals/substances that they are using on this project. | | 3. Engineering | SS / SM | 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, Managing risks of hazardous chemicals in the workplace COP |
| Excavation | | Working in High Temperatures - Heat Stress/Heat Exhaustion | C Possible | 2 Small | 6 | Sufficient quantities of cool drinking water is readily available close to work areas. Regularly rotate workers who perform more strenuous activities with less demanding tasks. Take regular work breaks in cooler areas such as air conditioned sheds. | Shade Covers to be installed @ designated smoking areas. Workers to wear broad brimmed hats and sunglasses for UV protection. | 3. Engineering | SS / SM / HSR | 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, Managing the work environment and facilities COP |
| Excavation | | Working in Cold, Inclement or Windy Weather | C Possible | 2 Small | 6 | Heated amenities to be provided. Suitable Access / Egress to be provided to work areas. 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. | Inspection to be conducted prior to gates of site open by PBS Site Manager/ EHS Committee to assess all access routes. Any unsuitable work areas are to be barricaded off with physical barrier until deemed safe to enter. | 3. Engineering | SS / SM / HSR | 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, Managing the work environment and facilities COP |
| Excavation | | Works affect neighbouring structures | C Possible | 3 Medium | 9 | Dilapidation survey to be undertaken by consultant. Prior to works starting | Vibration Monitoring to be in place. Noise monitoring to be in place. Letter box drop to occur in neighbouring properties that might be affected by works. Stakeholder Communication Sub Plan to be in place. Noise Management Sub Plan to be in Place. | 3. Engineering | SS / SM | 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 |
| Excavation | | Unexpected Find | C Possible | 2 Small | 6 | PBS Unexpected Finds protocol to be followed. Contractor to include unexpected finds protocol in their HR SWMS. | | 2. Administration | SS / SM | 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 |
| Excavation | | Damage to protected flora or fauna | C Possible | 2 Small | 6 | Tree Protection zones using robust barricading to be in place with signage. Flora and Fauna Management Sub Plan to be in place. | Timber batten protection to be placed directly onto the tree trunks in High Pedestrian traffic areas (i.e. public locations in the street near PBS hoardings) | 4. Isolation | SS / SM | 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 |

PBS Project Risk Register


PBS Project Risk Register (PRR)



| Workplace Location: St Hedwigs Village, 134-140 Reservoir Rd, Blacktown | | Acronym | Responsible Positions | | | Hierarchy of Control | | Control Selections | | %Controls ≥ Engineering 91% %Controls < Engineering 9% &Check formulas in L2-L7 if you add rows to ensure range is correct Delete Legislation / Codes not applicable to your jurisdiction | |
|---|--|--|----------------------------------|--------------|-------------|--|---|--|------------------------|--|--|
| Issue Number: | Rev 5.0 Updated to clarify Electrical Easment Controls | SS | Sub-Contractor Supervisor | | | 6. Elimination | 3 | | | | |
| Issue Date: | 22/09/2021 | SM | Site Manager | | | 5. Substitution | 6 | | | | |
| | | FM | Foreman | | | 4. Isolation | 71 | | | | |
| | | CA | Contracts Administrator | | | 3. Engineering | 109 | | | | |
| | | EHSQ | EHSQ Co-Ordinator | | | 2. Administration | 19 | | | | |
| | | PE/SE | Project Engineer / Site Engineer | | | 1. PPE | 0 | | | | |
| Activity Description | High Risk Construction Work | Hazard / Impact (Worst Credible Consequence) | Likelihood | Consequence | Risk Rating | Mandatory Control Measures | Site Specific Control Measures | Hierarchy of Control (Highest Level Control) | Responsible | Status | Legal and other requirements |
| Fencing | Is carried out on or near pressurised gas distribution mains or piping; is carried out on or near energised electrical installations or services | Contact with In-Ground Services | B Likely | 4 Large | 16 | Excavation Permit required when penetrating the ground 200mm or more. DBYD to be reviewed. Known services are to be identified and Summary Of Services Location Plan (SOS LP) to be updated on weekly basis including services that are being installed progressively by service trades. Digging by mechanical means is not to be carried out within 1m of a known live service unless EHSQ Manager has been consulted | As built to be received from the client to confirm existing services. Service Locator to be engaged to conduct survey of site and provide to PBS. Pot Holing via sucker truck/hand digging every 5m to determine direction of service. Energise/Isolate Permit may also be required. | 3. Engineering | SS / SM / FM | 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, Excavation COP, Managing electrical risks in the workplace |
| Fencing | | Hit by Falling Objects | C Possible | 3 Medium | 9 | No unsecured components to be left outside PBS fence line. | Semi - Permanent Fencing to be installed. Temporary Fencing to be erected in accordance with AS4687 requirements. Handover to be received from contractor that installs fence to confirm installation to Australian standards and manufacturer requirements. | 3. Engineering | SS / SM | 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 |
| Fencing | | Fire/Explosion | D Unlikely | 2 Small | 4 | Hot Works Permit to be in place. Area to be clear of combustible materials. Correct PPE to be worn. | | 3. Engineering | SS / SM / FM | 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, Welding processes COP |
| Fire Services | Risk of Person Falling more than 2m | Fall of Person | D Unlikely | 4 Large | 8 | Platform ladders or EWP's are to be used in the first instance. Work trestles a minimum width of 450mm can be used. Step Ladders may only be used for minor works which take less than 15 minutes to complete and 3 points of contact must be maintained. 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. Ladders to be stepped back from any edges of a building/balconies at least 3m or 1:1 ratio if a full perimeter screen/scaffold has been installed. | Ticketed Personnel required for operation of EWP. Harness to be worn and connected prior to bucket being raised. Harness to be inspected daily before use and maintained as per manufacturer specifications. Mobile scaffold to be used. Any mobile scaffold over 4m needs to be erected by a ticketed scaffolder. | 3. Engineering | SS / SM | 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 |
| Fire Services | | Fire/Explosion | B Likely | 3 Medium | 12 | Hot Works Permit to be in place. Area to be clear of combustible materials. Correct PPE to be worn. Flash back arrestors to all oxy sets. Isolation/Energisation Permit to be issued. | | 3. Engineering | SS / SM / FM | 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, Welding processes COP |
| Fire Services | Is carried out in an area at a workplace in which there is any movement of powered mobile plant | Hit by Moving Plant | D Unlikely | 3 Medium | 6 | No one is to approach plant unless confirmation has been received by the operator that it is ok to approach. All plant to have flashing beacons operating. Mobile phones not to be used when operating plant and equipment. Operator to be appropriately Trained / Ticketed. | Exclusion zone to be in place to prevent unauthorised entry to work area. Access ways to be redirected to ensure no personnel inside operating areas. Outriggers of crane to be protected by jersey curbs or similar to prevent contact from other plant/vehicles. Use Tag Lines when appropriate to control light weight &/or large panel lifts in windy conditions. Dogman and Operator to sign into Crane Management Sub Plan. Spotter/Dogman to have positive communication with operator via hand signals, whistle or UHF radio) at all times. Seat belts to be worn at all times where fitted. Refer to mobile crane operations activity in this PRR. | 4. Isolation | SS / SM | 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, Managing the risks of plant in the workplace COP |
| Fire Services | | Cuts and Lacerations | D Unlikely | 1 Very Small | 2 | All guards to be fitted to power tools. Wear gloves when working with sharp steel edges. Eye Protection to be worn when using explosive power tool. No high velocity/direct action Explosive Power Tool to be used on site unless approved by PBS Site Manager and the controls required are communicated to workers via a toolbox. Explosive Powered Tool charges must be stored in a locked metal box marked "explosives". Used charges must be disposed of immediately after use. | Hot works Permit to be in place | 5. Substitution | SS / SM / FM | 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 |
| Fire Services | | Exposure to Hazardous Material | D Unlikely | 2 Small | 4 | Correct PPE to be worn. SDS to be communicated to all workers involved in the task via TBT, training register or SWMS. Hazardous Materials to be stored in designated storage area immediately after use. | | 4. Isolation | SS / SM | 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, Managing risks of hazardous chemicals in the workplace COP |
| Fire Services | | Noise | C Possible | 2 Small | 6 | Hearing Protection to be worn. | Signage to be in place when using Explosive Power Tools. | 2. Administration | SS / SM | 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, Managing noise and preventing hearing loss at the work COP |
| Formwork | Risk of Person Falling more than 2m | Fall of Person | A Almost Certain | 4 Large | 20 | Cast/Embed 4mm mesh into larger penetrations. Fixed cover to be on all penetrations over 125mm diameter. All penetration covers to be identified similar to "Danger Penetration Below". If sizeable penetrations are located in areas where plant &/or equipment is likely to be used (eg scissor lift, pallet trolley, forklift), secured covers to be of sufficient strength with load & point load limits displayed. Platform Ladder or work platforms of 450mm minimum width to be used. Physical barrier and signage must be in place to prevent unauthorised personnel from entering restricted area when working on leading edges (i.e formworkers only). | No one is to stand on truck tray unless it has hand rails in place. Minimum of 1.8m lazy joists to surround formworkers working on leading edges at all times. Dintel/AFS to have extra 1m in length ordered and to be erected and braced prior to suspended deck so it can act as a hand rail. Two access ways to be clearly defined under deck and free of all obstructions / slip, trip hazards at all times. Crash deck to be installed under all leading edges. | 3. Engineering | SS / SM | 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 |
| Formwork | | Hit by Falling Objects | A Almost Certain | 3 Medium | 15 | Exclusion zone to be erected, which still maintains an access point underneath the deck, when working on leading edges or a risk of materials/tools falling over 2 metres exists. This exclusion zone must take into consideration the arc, fall and bounce of materials & tools. Stripping areas must have barriers and signage in place to prevent unauthorised access. Authorised person only to be in direct workzone. | Structural engineer to provide documented authorisation for all formwork shutter lifting lugs. | 4. Isolation | SS / SM | 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 |
| Formwork | | Failure of Structure | B Likely | 5 Very Large | 20 | Structural engineer to provide documented authorisation prior to concrete pour & stripping. Engineer to include in drawing or provide written instruction where all load points are on deck. Where material is designed to an international or another standard, engineer must certify that it conforms to relevant Australian standard. Evidence verifying formwork sheets conform to Australian Standards must be kept on site. Provide Formwork Documentation in accordance with Section 2.4 of AS3610.1-2010. Hold Point - PBS pre-pour checklist to be completed prior to pouring any decks. | Formwork framing to be protected against impact from moving plant & equipment. | 3. Engineering | SS / SM / FM / SE / CA | 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, Safe Design of Structures COP |
| Formwork | | Cuts and Lacerations | B Likely | 3 Medium | 12 | All guards to be fitted to power tools. Wear gloves when working with sharp steel edges. | Frames and timbers are not to obstruct access ways, temporary power boards or emergency exits. Hot works permit to be used | 3. Engineering | SS / SM / FM | 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 |

PBS Project Risk Register

PBS Project Risk Register (PRR)

| Workplace Location: | | St Hedwigs Village, 134-140 Reservoir Rd, Blacktown | Acronym | Responsible Positions | | | Hierarchy of Control | | | Control Selections | |  | |
|----------------------|---|---|------------------|----------------------------------|-------------|---|---|--|--|--|---|--|--|
| Issue Number: | | Rev 5.0 <small>Updated to clarify Electrical Easment Controls</small> | SS | Sub-Contractor Supervisor | | | 6. Elimination | | | 3 | %Controls ≥ Engineering | 91% | |
| Issue Date: | | 22/09/2021 | SM | Site Manager | | | 5. Substitution | | | 6 | %Controls < Engineering | 9% | |
| | | | FM | Foreman | | | 4. Isolation | | | 71 | | | |
| | | | CA | Contracts Administrator | | | 3. Engineering | | | 109 | &Check formulas in L2-L7 if you add rows to ensure range is correct Delete Legislation / Codes not applicable to your jurisdiction | | |
| | | | EHSQ | EHSQ Co-Ordinator | | | 2. Administration | | | 19 | | | |
| | | | PE/SE | Project Engineer / Site Engineer | | | 1. PPE | | | 0 | | | |
| Activity Description | High Risk Construction Work | Hazard / Impact (Worst Credible Consequence) | Likelihood | Consequence | Risk Rating | Mandatory Control Measures | Site Specific Control Measures | | | Hierarchy of Control (Highest Level Control) | Responsible | Status | Legal and other requirements |
| Formwork | Is carried out in an area at a workplace in which there is any movement of powered mobile plant | Hit by Moving Plant | D Unlikely | 3 Medium | 6 | No one is to approach plant unless confirmation has been received by the operator that it is ok to approach. All plant to have flashing beacons operating. Mobile phones not to be used when operating plant and equipment. Operator to be appropriately Trained / Ticketed. | Exclusion zone to be in place to prevent unauthorised entry to work area. Access ways to be redirected to ensure no personnel inside crane operating areas. Outriggers of crane to be protected by Jersey kurbs or similar to prevent contact from other plant/vehicles. Use Tag Lines when appropriate to control light weight &/or large panel lifts in windy conditions. Dogman and Operator to sign into Crane Management Sub Plan. Spotter/Dogman to have positive communication with operator (via hand signals, whistle or UHF radio) at all times. Refer to mobile crane operations activity in this PRR. | | | 4. Isolation | SS / SM | 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, Managing the risks of plant in the workplace COP |
| Frames and Trusses | Risk of Person Falling more than 2m | Fall of Person | A Almost Certain | 4 Large | 20 | Platform Ladders or EWP to be used in the first instance. Work trestles of minimum 450mm width can be used. Step Ladders may only be used for minor works which take less than 15 minutes to complete and 3 points of contact must be maintained. Ensure framing packs are stable & stacked at a workable height. Upper floor level are not to be accessed until edge protection and stair void protection are installed and handover certificate has been received and displayed. Suitable access must be provided to upper levels which ensures there is no exposure to worker of risk of fall (swing gate/hatch at top of ladder or similar). All openings from which a person can fall must be adequately protected (such as window and door openings, stair voids etc). No walking on external top plates or within 2 metres of external top plate unless external fall protection is in place. Ensure clear access way from stack to place of erection. 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. | Ceiling joists and upper level joists must be installed from the floor underneath. The laying of floor sheets should begin adjacent to an internal or external access point which provides initial fall protection for workers. Laying of sheets should then proceed using a methodology outlined in the HR SWMS which prevents workers from falling over the edge. Unpacking of trusses must be undertaken off of a suitable work platform from the level underneath. Fall Protection must be in place on Party Wall side prior to works commencing on party wall. When trusses are erected at up to 600 mm centres, persons working between the trusses to fix or brace them can use the erected trusses as a form of fall protection under controlled conditions that must be set out in the HR SWMS. When the spacings of trusses exceed 600mm centres, suitable fall protection must be in place (mobile scaffold, safety nets, catch platform, use of EWP etc) and methodology must be outlined in the HR SWMS. | | | 3. Engineering | SS / SM | 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 |
| Frames and Trusses | | Failure of Structure | D Unlikely | 4 Large | 8 | Ensure all standing frames are suitably braced to prevent potential falling frames. If truss spacing is more than 900mm fix longitudinal bracing as each truss is being stood. | | | | 3. Engineering | SS / SM | 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, Safe Design of Structures COP |
| Frames and Trusses | | Hit by Falling Objects | B Likely | 3 Medium | 12 | Authorised person only to be in direct workzone. | Tools to be on lanyards when working above 2m fall risk. Physical barriers to be in place as an exclusion zone and must take into consideration the arc, fall and bounce of materials and tools. Area to be bunted off with signage to prevent unauthorised access. | | | 4. Isolation | SS / SM | 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 |
| Frames and Trusses | Is carried out in an area at a workplace in which there is any movement of powered mobile plant | Hit by Moving Plant | C Possible | 4 Large | 12 | No one is to approach plant unless confirmation has been received by the operator that it is ok to approach. All plant to have flashing beacons operating. Mobile phones not to be used when operating plant and equipment. Operator to be appropriately Trained / Ticketed. | Exclusion zone to be in place to prevent unauthorised entry to work area. Access ways to be redirected to ensure no personnel inside operating areas. Outriggers of crane to be protected by Jersey kurbs or similar to prevent contact from other plant/vehicles. Use Tag Lines when appropriate to control light weight &/or large panel lifts in windy conditions. Dogman and Operator to sign into Crane Management Sub Plan. Spotter/Dogman to have positive communication with operator (via hand signals, whistle or UHF radio) at all times. Seat belts to be worn at all times where fitted. Refer to mobile crane operations activity in this PRR. | | | 4. Isolation | SS / SM | 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, Managing the risks of plant in the workplace COP |
| Frames and Trusses | | Cuts and Lacerations | C Possible | 2 Small | 6 | All guards to be fitted to power tools. Wear gloves when working with sharp steel edges. Eye Protection to be worn when using explosive power tool. No high velocity/direct action Explosive Power Tool to be used on site unless approved by PBS Site Manager and the controls required are communicated to workers via a toolbox. Explosive Powered Tool charges must be stored in a locked metal box marked "explosives". Used charges must be disposed of immediately after use. | 225mm grinder permit to be issued when applicable | | | 5. Substitution | SS / SM / FM | 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 |
| Frames and Trusses | | Noise | C Possible | 2 Small | 6 | Hearing Protection to be worn. | Signage to be in place when using Explosive Power Tools. | | | 2. Administration | SS / SM | 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, Managing noise and preventing hearing loss at the work COP |
| Hebel Installation | Is carried out in an area which may have a contaminated or flammable atmosphere | Exposure to Hazardous Dust | B Likely | 3 Medium | 12 | Designated cutting area with signage to be installed. Minimum P2 mask, safety glasses and hearing protection to be worn when cutting hebel. M Class Vacuum attachment to be used on saw. Only workers directly involved in the activity to be in the area when cutting being undertaken. | | | | 4. Isolation | SS/SM | 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, Managing risks of hazardous chemicals in the workplace COP |
| Hebel Installation | | Cuts and Lacerations | C Possible | 3 Medium | 9 | All guards to be fitted to power tools. Wear gloves when working with sharp steel edges. Eye Protection to be worn when using explosive power tool. No high velocity/direct action Explosive Power Tool to be used on site unless approved by PBS Site Manager and the controls required are communicated to workers via a toolbox. Explosive Powered Tool charges must be stored in a locked metal box marked "explosives". Used charges must be disposed of immediately after use. | | | | 3. Engineering | SS/SM | 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 |
| Hoarding | Is carried out in an area at a workplace in which there is any movement of powered mobile plant | Hit by Falling Objects | C Possible | 4 Large | 12 | All lifting gear is to be maintained as per manufacturer specifications and inspected daily by a competent person - Synthetic slings are to be checked 3 monthly and documented on a register. Chains are to be tested yearly and documented on a register. The SWL of lifting equipment is not to be exceeded. Weight of load to be lifted to be predetermined by a competent person and marked on load. Selection of sling & slinging techniques for load is predetermined by a competent person. Lifting points are to be predetermined by a competent person and marked on the load. Standard lifting procedures must be documented within HR SWMS. Install Hoarding as detailed on Hoarding Plan (showing dimensions and location on site). Authorised person only to be in direct workzone. Authorised person only to be in direct workzone. | Exclusion zone to be in place to prevent unauthorised entry to work area. Footpath to be closed off and traffic control in place to re route pedestrians as per Traffic Control Plan | | | 4. Isolation | SS / SM | 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 |
| Hoarding | Risk of Person Falling more than 2m | Fall of Person | B Likely | 4 Large | 16 | Platform Ladders to be used. 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. | Use of Harness Work Permit to be issued. Harness to be inspected daily before use and maintained as per manufacturer specifications. Person with working at heights ticket to conduct works involving use of harness only. | | | 3. Engineering | SS / SM / FM | 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 |
| Hoarding | Is carried out on, in or adjacent to a road that is in use by traffic other than pedestrians | Hit by Moving Vehicular Traffic | C Possible | 4 Large | 12 | Consultant holding correct tickets to provide Traffic Management Plan (including Traffic Control Plan) which is specific to the works on site. Signage and Devices to be set up in accordance with approved Traffic Control Plan by workers who hold the correct tickets. Traffic Controllers to position themselves where an escape route is accessible at all times. | Work Vehicles to be set up in approved work zone. Traffic Control Signage and Devices to be implemented as per approved traffic control plan. | | | 3. Engineering | SS / SM | 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 |

PBS Project Risk Register

PBS Project Risk Register (PRR)



| Workplace Location: St Hedwigs Village, 134-140 Reservoir Rd, Blacktown | | Acronym | Responsible Positions | | | Hierarchy of Control | | Control Selections | | Delete Legislation / Codes not applicable to your jurisdiction | |
|---|--|--|----------------------------------|-------------|-------------|--|---|---|---------------|--|--|
| Issue Number: Rev 5.0 | Updated to clarify Electrical Easment Controls | SS | Sub-Contractor Supervisor | | | 6. Elimination | 3 | %Controls ≥ Engineering 91% | | | |
| Issue Date: 22/09/2021 | | SM | Site Manager | | | 5. Substitution | 6 | %Controls < Engineering 9% | | | |
| | | FM | Foreman | | | 4. Isolation | 71 | | | | |
| | | CA | Contracts Administrator | | | 3. Engineering | 109 | 8Check formulas in L2-L7 if you add rows to ensure range is correct | | | |
| | | EHSQ | EHSQ Co-Ordinator | | | 2. Administration | 19 | | | | |
| | | PE/SE | Project Engineer / Site Engineer | | | 1. PPE | 0 | | | | |
| Activity Description | High Risk Construction Work | Hazard / Impact (Worst Credible Consequence) | Likelihood | Consequence | Risk Rating | Mandatory Control Measures | Site Specific Control Measures | Hierarchy of Control (Highest Level Control) | Responsible | Status | Legal and other requirements |
| Hoist | Risk of Person Falling more than 2m | Fall of Person | A Almost Certain | 4 Large | 20 | Installation by competent personnel to manufacturer / supplier requirements. Handover certificate to be received from contractor whom erected plant. | For erection, dismantle and maintenance - Use of Harness Work Permit to be issued. Harness to be inspected daily before use and maintained as per manufacturer specifications. Person with working at heights ticket to conduct works involving use of harness only. | 3. Engineering | SS / SM / FM | 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 |
| Hoist | | Hit by Falling Objects | B Likely | 4 Large | 16 | Exclusion zone using physical barrier to be in place for erection / dismantle / altering of hoist. Authorised person only to be in direct workzone. | Tools to be on lanyards when working above 2m fall risk. | 4. Isolation | SS / SM | 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 |
| Hoist | | Plant Failure | C Possible | 4 Large | 12 | Installation by competent personnel to manufacturer / supplier requirements. Handover certificate to be received from contractor whom erected it. Load rating must be clearly identified inside the hoist. Only licensed personnel to operate personnel & materials hoist. Daily operator checks to be completed prior to operating each day. Hoist to be maintained as per manufacturer specs. | | 2. Administration | SS / SM | 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, Managing the risks of plant in the workplace COP |
| Landscaping | Is carried out on or near pressurised gas distribution mains or piping; is carried out on or near energised electrical installations or services | Contact with In-Ground Services | B Likely | 4 Large | 16 | Excavation Permit required when penetrating the ground 200mm or more. DBYD to be reviewed. Known services are to be identified and Summary Of Services Location Plan (SOS LP) to be updated on weekly basis including services that are being installed progressively by service trades. Digging by mechanical means is not to be carried out within 1m of a known live service unless EHSQ Manager has been consulted | As built to be received from the client to confirm existing services. Service Locator to be engaged to conduct survey of site and provide to PBS. Pot Holing via sucker truck/hand digging every 5m to determine direction of service. Energise/Isolate Permit may also be required. | 3. Engineering | SS / SM / FM | 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, Excavation COP, Managing electrical risks in the workplace |
| Landscaping | Is carried out in an area at a workplace in which there is any movement of powered mobile plant | Hit by Moving Plant | C Possible | 4 Large | 12 | Spotter to have positive communication with operator (via hand signals or UHF radio) at all times. No one is allowed in the swing zone of the piece of plant. No one is to approach plant unless the bucket/arm has been lowered and confirmation has been received by the operator that it is ok to approach. All plant to have flashing beacons operating. Mobile phones not to be used when operating plant and equipment. | Exclusion zone to be in place to prevent unauthorised entry to work area. Emergency stop button to be applied to the machine. | 4. Isolation | SS / SM | 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, Managing the risks of plant in the workplace COP |
| Landscaping | Is carried out in an area at a workplace in which there is any movement of powered mobile plant | Plant Over-Turning | D Unlikely | 4 Large | 8 | ROPS/FOPS to be installed on all plant involved in the work activity. Physical Barrier to be installed along top of excavation / trench to prevent plant / vehicles entering the zone of influence. The SWL of plant and its attachments is not to be exceeded. Seat Belts to be worn where fitted. | Penetration covers to be physically secured with signage and be of sufficient strength to support likely plant or equipment in the area. If sizable penetration, load & point limits to be displayed. | 4. Isolation | SS / SM | 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, Managing the risks of plant in the workplace COP |
| Landscaping | | Fire/Explosion when refuelling plant and equipment | C Possible | 4 Large | 12 | Hazardous Materials to be stored in designated storage area immediately after use. Fire Fighting equipment to have tag in date of 6 months and be readily accessible to the refuelling area. Refuelling area to be clear of any combustible material. | | 4. Isolation | SS / SM | 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, Managing risks of hazardous chemicals in the workplace COP |
| Landscaping | | Environmental Contamination from Spill of Hazardous Chemicals/Substances | D Unlikely | 3 Medium | 6 | Contractor to provide, and have readily available access to, a spill kit which is appropriately sized for the risk of spill when refuelling or if damage was to occur to a piece of plant and equipment. Workers must be trained in the use of spill kits and the SDS's for chemicals/substances that they are using on this project. | | 2. Administration | SS / SM | 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, Managing risks of hazardous chemicals in the workplace COP |
| Landscaping | Is carried out in an area at a workplace in which there is any movement of powered mobile plant | Hit by Falling Objects | D Unlikely | 4 Large | 8 | All lifting gear is to be maintained as per manufacturer specifications and inspected daily by a competent person - Synthetic slings are to be checked 3 monthly and documented on a register. Chains are to be tested yearly and documented on a register. The SWL of lifting equipment is not to be exceeded. Where a dogman is not available - Weight of load to be lifted to be predetermined by a competent person and marked on load. Selection of sling & slinging techniques for load is predetermined by a competent person. Lifting points are to be predetermined by a competent person and marked on the load. Standard lifting procedures must be documented within HR SWMS. Authorised person only to be in direct workzone. | | 3. Engineering | SS / SM | 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 |
| Landscaping | | Working in High Temperatures - Heat Stress/Heat Exhaustion | E Rare | 2 Small | 2 | Sufficient quantities of cool drinking water is readily available close to work areas. Regularly rotate workers who perform more strenuous activities with less demanding tasks. Take regular work breaks in cooler areas such as air conditioned sheds. | Shade Covers to be installed. Workers to wear broad brimmed hats and sunglasses for UV protection. | 3. Engineering | SS / SM / HSR | 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, Managing the work environment and facilities COP |
| Landscaping | | Working In Cold, Inclement or Windy Weather | E Rare | 2 Small | 2 | Heated amenities to be provided. Suitable Access / Egress to be provided to work areas. 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. | Inspection to be conducted prior to gates of site open by PBS Site Manager/ EHS Committee to assess all access routes. Any unsuitable work areas are to be barricaded off with physical barrier until deemed safe to enter. | 3. Engineering | SS / SM / HSR | 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, Managing the work environment and facilities COP |
| Lift Installation | Risk of Person Falling more than 2m | Fall of Person | A Almost Certain | 4 Large | 20 | 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. | 4. Isolation | SS / SM | 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 |
| Lift Installation | Is carried out in an area at a workplace in which there is any movement of powered mobile plant | Hit by Moving Plant | C Possible | 4 Large | 12 | No one is to approach plant unless confirmation has been received by the operator that it is ok to approach. All plant to have flashing beacons operating. Mobile phones not to be used when operating plant and equipment. Ensure working temp platform / lift cage is electrically isolated and the lift has been tagged out accordingly. Operator to be appropriately Trained / Ticketed. Isolation/Energisation Permit to be issued. | Exclusion zone to be in place to prevent unauthorised entry to work area. Access ways to be redirected to ensure no personnel inside operating areas. Outriggers of crane to be protected by jersey kurbs or similar to prevent contact from other plant/vehicles. Use Tag Lines when appropriate to control lift weight &/or large panel lifts in windy conditions. Dogman and Operator to sign into Crane Management Sub Plan. Spotter/Dogman to have positive communication with operator (via hand signals, whistle or UHF radio) at all times. Seat belts to be worn at all times where fitted. Refer to mobile crane operations activity in this PRR. | 4. Isolation | SS / SM / FM | 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, Managing the risks of plant in the workplace COP |

PBS Project Risk Register

PBS Project Risk Register (PRR)



| Workplace Location: St Hedwigs Village, 134-140 Reservoir Rd, Blacktown | | Acronym | Responsible Positions | | | Hierarchy of Control | | Control Selections | | %Controls ≥ Engineering 91% %Controls < Engineering 9% &Check formulas in L2-L7 if you add rows to ensure range is correct Delete Legislation / Codes not applicable to your jurisdiction | |
|---|---|--|----------------------------------|-------------|-------------|--|--|--|------------------------|--|--|
| Issue Number: | Rev 5.0 Updated to clarify Electrical Easment Controls | SS | Sub-Contractor Supervisor | | | 6. Elimination | 3 | | | | |
| Issue Date: | 22/09/2021 | SM | Site Manager | | | 5. Substitution | 6 | | | | |
| | | FM | Foreman | | | 4. Isolation | 71 | | | | |
| | | CA | Contracts Administrator | | | 3. Engineering | 109 | | | | |
| | | EHSQ | EHSQ Co-Ordinator | | | 2. Administration | 19 | | | | |
| | | PE/SE | Project Engineer / Site Engineer | | | 1. PPE | 0 | | | | |
| Activity Description | High Risk Construction Work | Hazard / Impact (Worst Credible Consequence) | Likelihood | Consequence | Risk Rating | Mandatory Control Measures | Site Specific Control Measures | Hierarchy of Control (Highest Level Control) | Responsible | Status | Legal and other requirements |
| Lift Installation | | Fire/Explosion | C Possible | 4 Large | 12 | Hot Works Permit to be in place. Area to be clear of combustible materials. Correct PPE to be worn. Flash back arrestors to all oxy sets. | | 3. Engineering | SS / SM / FM | 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, Welding processes COP |
| Lift Installation | | Cuts and Lacerations | D Unlikely | 2 Small | 4 | All guards to be fitted to power tools. All PPE requirements shall be assessed in the contractors HR SWMS | | 3. Engineering | SS / SM / FM | 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 |
| Masonry | Risk of Person Falling more than 2m | Fall of Person | A Almost Certain | 4 Large | 20 | 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. | Scaffold to be used with hand rails and mid rails or mesh panels. Ticketed Personnel required for operation of EWP. Harness to be worn and connected prior to bucket being raised. Harness to be inspected daily before use and maintained as per manufacturer specifications. | 3. Engineering | SS / SM | 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 |
| Masonry | | Hit by Falling Objects | B Likely | 4 Large | 16 | Physical barriers to be in place as an exclusion zone to prevent access adjacent to or behind the uncured wall and must take into consideration the arc, fall and bounce of materials and tools. | Tools to be on lanyards when working above 2m fall risk. | 4. Isolation | SS / SM | 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 |
| Masonry | | Cuts and Lacerations | C Possible | 2 Small | 6 | All guards to be fitted to power tools. Brick saw to be locked on solid bench. | | 3. Engineering | SS / SM / FM | 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 |
| Masonry | | Failure of Structure | B Likely | 4 Large | 16 | Temporary bracing of all 'green walls' above 1.5m to be installed prior to any additional courses being laid. Contractor supervisor to ensure scaffold decks not overloaded with max loading signage visible. Masonry walls must be designed by a qualified and registered engineer. Masonry walls must not be erected in adverse weather conditions. | | 3. Engineering | SS / SM / FM / SE / CA | 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, Safe Design of Structures COP |
| Masonry | | Noise | C Possible | 2 Small | 6 | Hearing Protection to be worn. Brick Saw to be set up in an isolated cutting area with signage Wet cutting only | | 4. Isolation | SS / SM | 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, Managing noise and preventing hearing loss at the work COP |
| Masonry | | Environmental Contamination from Spill of Hazardous Chemicals/Substances | D Unlikely | 2 Small | 4 | Designated washout / recycling areas for concrete and concrete equipment with regular monitoring. Waste water must be controlled from flowing across walkways, work areas and outside site boundaries. | | 4. Isolation | SS / SM | 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, Managing risks of hazardous chemicals in the workplace COP |
| Masonry | Carried out in an area that may have a contaminated atmosphere | Dust Inhalation | C Possible | 2 Small | 6 | Correct PPE to be worn when mixing cement including P2/P3 dust mask. Wet Brick Saw to be set up in an isolated cutting area with signage. | Brick saw to have water attachment and P2 mask to be worn when operating. | 4. Isolation | SS / SM | 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, Managing risks of hazardous chemicals in the workplace COP |
| Masonry | Is carried out in an area at a workplace in which there is any movement of powered mobile plant | Hit by Moving Plant | A Almost Certain | 4 Large | 20 | No one is to approach plant unless confirmation has been received by the operator that it is ok to approach. All plant to have flashing beacons operating. Mobile phones not to be used when operating plant and equipment. Operator to be appropriately Trained / Ticketed. | Exclusion zone to be in place to prevent unauthorised entry to work area. Access ways to be redirected to ensure no personnel inside operating areas. Outriggers of crane to be protected by jersey kurbs or similar to prevent contact from other plant/vehicles. Use Tag Lines when appropriate to control light weight &/or large panel lifts in windy conditions. Dogman and Operator to sign into Crane Management Sub Plan. Spotter/Dogman to have positive communication with operator (via hand signals, whistle or UHF radio) at all times. Seat belts to be worn at all times where fitted. Refer to mobile crane operations activity in this PRR. | 4. Isolation | SS / SM | 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, Managing the risks of plant in the workplace COP |
| Mobile Crane Operations (includes Vehicle Mounted Crane/Telehandler/Franna/Crawler) | Is carried out in an area at a workplace in which there is any movement of powered mobile plant | Hit by Moving Plant | A Almost Certain | 4 Large | 20 | Spotter/Dogman to have positive communication with operator (via hand signals, whistle or UHF radio) at all times. No one is to approach plant unless confirmation has been received by the operator that it is ok to approach. All plant to have flashing beacons operating. Mobile phones not to be used when operating plant and equipment. Dogman and Operator to sign into Crane Management Sub Plan. Use Tag Lines when appropriate to control light weight &/or large panel lifts in windy conditions. Operator to be appropriately Trained / Ticketed. | Exclusion zone to be in place to prevent unauthorised entry to work area. Access ways to be redirected to ensure no personnel inside crane operating areas. Outriggers of crane to be protected by jersey kurbs or similar to prevent contact from other plant/vehicles. | 4. Isolation | SS / SM | 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, Managing the risks of plant in the workplace COP |
| Mobile Crane Operations (includes Vehicle Mounted Crane/Telehandler/Franna/Crawler) | | Hit by Falling Objects | B Likely | 4 Large | 16 | Dogman and Operator to sign into Crane Management Sub Plan. All lifting gear is to be maintained as per manufacturer specifications and inspected daily by a competent person - Synthetic slings are to be checked 3 monthly and documented on a register. Chains are to be tested yearly and documented on a register. Authorised person only to be in direct workzone. | Tag Lines to be used when appropriate to control light weight &/or large panel lifts in windy conditions | 3. Engineering | SS / SM | 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 |
| Mobile Crane Operations (includes Vehicle Mounted Crane/Telehandler/Franna/Crawler) | Is carried out in an area at a workplace in which there is any movement of powered mobile plant | Plant Over-Turning | B Likely | 4 Large | 16 | Dogman and Operator to sign into Crane Management Sub Plan. Seat belts to be worn at all times where fitted. The SWL of the plant and its attachments is not to be exceeded. Set up in an area that is approved by PBS Site Manager. Lift study to be completed for any loads 20 Tonne or when expecting to use crane over 95% capacity. Plant is not to be set up or traverse within the zone of influence of a service trench or on a service trench. Outriggers must be set up on stable ground. | Penetration covers to be physically secured with signage and be of sufficient strength to support likely plant or equipment in the area. If sizable penetration, load & point limits to be displayed. Crane to work lower than 95% capacity. Compaction test is required prior to set up of outriggers on disturbed soil. Routes for pick and carry operations to be assessed and designated by the PBS Site Manager. | 3. Engineering | SS / SM | 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, Managing the risks of plant in the workplace COP |

PBS Project Risk Register

PBS Project Risk Register (PRR)



| Workplace Location: St Hedwigs Village, 134-140 Reservoir Rd, Blacktown | | Acronym | Responsible Positions | | | Hierarchy of Control | | Control Selections | | Delete Legislation / Codes not applicable to your jurisdiction | |
|---|--|--|----------------------------------|--------------|-------------|--|--|---|------------------------|--|--|
| Issue Number: Rev 5.0 <small>Updated to clarify Electrical Easment Controls</small> | | SS | Sub-Contractor Supervisor | | | 6. Elimination | 3 | %Controls ≥ Engineering 91% | | | |
| Issue Date: 22/09/2021 | | SM | Site Manager | | | 5. Substitution | 6 | %Controls < Engineering 9% | | | |
| | | FM | Foreman | | | 4. Isolation | 71 | | | | |
| | | CA | Contracts Administrator | | | 3. Engineering | 109 | 8Check formulas in L2-L7 if you add rows to ensure range is correct | | | |
| | | EHSQ | EHSQ Co-Ordinator | | | 2. Administration | 19 | | | | |
| | | PE/SE | Project Engineer / Site Engineer | | | 1. PPE | 0 | | | | |
| Activity Description | High Risk Construction Work | Hazard / Impact (Worst Credible Consequence) | Likelihood | Consequence | Risk Rating | Mandatory Control Measures | Site Specific Control Measures | Hierarchy of Control (Highest Level Control) | Responsible | Status | Legal and other requirements |
| Mobile Crane Operations (includes Vehicle Mounted Crane/Telehandler/Franna/Crawler) | Is carried out on or near energised electrical installations or services | Contact with Overhead Power Lines | C Possible | 4 Large | 12 | Dogman and Operator to sign into Crane Management Sub Plan. No unloading / loading of trucks to happen in the vicinity of these powerlines. All plant to remain at a minimum approach distances to powerlines. Up to 132,000 volts = 3m. 132,000 - 330,000 volts = 6m. Above 330,000 = 8m. | Install height/location indicators. Non conductive barrier to be installed between plant and power lines. Competent Spotter to have positive communication with plant (UHF radios) and observe plant movements when design envelope has the potential to reach closer than 3 metres to power lines. Install signage as visual reminder. Non conductive tag lines to be used to control load. All crane works are to have a PBS approved lift plan in place that conforms with the PBS Crane Sub plan to ensure Electrical Easment is not encroached. | 3. Engineering | SS / SM | 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, Managing the risks of plant in the workplace COP, Managing electrical risks in the workplace COP |
| Mobile Crane Operations (includes Vehicle Mounted Crane/Telehandler/Franna/Crawler) | | Plant Failure | C Possible | 4 Large | 12 | All lifting gear is to be maintained as per manufacturer specifications and inspected daily by a competent person - Synthetic slings are to be checked 3 monthly and documented on a register. Chains are to be tested yearly and documented on a register. Daily inspection to be completed by operator prior to operation. Plant to serviced and maintained as per manufacturers specifications. | Work box available for rescue | 3. Engineering | SS / SM | 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, Managing the risks of plant in the workplace COP |
| Perimeter Screens | Risk of Person Falling more than 2m | Fall of Person | A Almost Certain | 4 Large | 20 | Install handrails & mesh prior to lifting screens. Documented emergency procedure for retrieval of injured workers to be included in HR SWMS. | Use of Harness Work Permit to be issued. Harness to be inspected daily before use and maintained as per manufacturer specifications. Person with working at heights ticket to conduct works involving use of harness only. | 6. Elimination | SS / SM / FM | 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 |
| Perimeter Screens | | Hit by Falling Objects | A Almost Certain | 4 Large | 20 | Lifting control by competent person. Lifting screens handover certificate to be provided prior to works being allowed to commence on decks. Authorised person only to be in direct workzone. | | 2. Administration | SS / SM | 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 |
| Perimeter Screens | | Failure of Structure | B Likely | 5 Very Large | 20 | Structural engineer to approve design and erection to be done by competent personnel. Lifting control by qualified person. | | 2. Administration | SS / SM / FM / SE / CA | 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, Safe Design of Structures COP |
| Piling | Risk of Person Falling more than 2m | Fall of Person | D Unlikely | 4 Large | 8 | Exclusion zone to be in place using physical barriers around each pier. Piers must be covered if work is not being conducted. | | 3. Engineering | SS / SM | 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 |
| Piling | Involves, or is likely to involve, the disturbance of asbestos | Exposure to Hazardous Dust | C Possible | 3 Medium | 9 | Test Holes of soil conditions to be completed by consultant and results provided to PBS. | Contaminated areas to be bunted off using physical barriers and signage installed. Plastic to be installed over contaminated areas to prevent risk of dust arising until removal process is initiated. Plan created to highlight affected asbestos KNOWN areas, with likely areas also highlighted. This plan is then to be communicated to contractors and used in their internal communications with the workers. | 4. Isolation | SS / SM | 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 |
| Piling | Is carried out in an area at a workplace in which there is any movement of powered mobile plant | Hit by Moving Plant | C Possible | 4 Large | 12 | Spotter to have positive communication with operator (via hand signals or UHF radio) at all times. No one is allowed in the swing zone of the piece of plant. No one is to approach plant unless confirmation has been received by the operator that it is ok to approach. All plant to have flashing beacons operating. Mobile phones not to be used when operating plant and equipment. All immediate workers must be outside the swing zone and behind a physical barrier protecting the hole. | Exclusion zone to be in place to prevent unauthorised entry to work area. | 4. Isolation | SS / SM | 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 |
| Piling | Is carried out in an area at a workplace in which there is any movement of powered mobile plant | Plant Over-Turning | B Likely | 4 Large | 16 | ROPS/FOPS to be installed on all plant involved in the work activity. Physical Barrier to be installed along top of excavation / trench to prevent plant / vehicles entering the zone of influence. The SWL of plant and its attachments is not to be exceeded. Seat Belts to be worn where fitted. | Penetration covers to be physically secured with signage and be of sufficient strength to support likely plant or equipment in the area. If sizable penetration, load & point limits to be displayed. | 3. Engineering | SS / SM | 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, Managing the risks of plant in the workplace COP |
| Piling | | Plant Failure | B Likely | 3 Medium | 12 | All lifting gear is to be maintained as per manufacturer specifications and inspected daily by a competent person - Synthetic slings are to be checked 3 monthly and documented on a register. Chains are to be tested yearly and documented on a register. Daily inspection to be completed by operator prior to operation. Plant to serviced and maintained as per manufacturers specifications. | | 3. Engineering | SS / SM | 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, Managing the risks of plant in the workplace COP |
| Piling | Is carried out on or near pressurised gas distribution mains or piping; is carried out on or near energised electrical installations or services | Contact with In-Ground Services | B Likely | 4 Large | 16 | Excavation Permit required when penetrating the ground 200mm or more. DBYD to be reviewed. Known services are to be identified and Summary Of Services Location Plan (SOS LP) to be updated on weekly basis including services that are being installed progressively by service trades. Digging by mechanical means is not to be carried out within 1m of a known live service unless EHSQ Manager has been consulted | As built to be received from the client to confirm existing services. Service Locator to be engaged to conduct survey of site and provide to PBS. Pot Hoing via sucker truck/hand digging every 5m to determine direction of service. . Energise/Isolate Permit may also be required. | 3. Engineering | SS / SM / FM | 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, Excavation COP, Managing electrical risks in the workplace |
| Piling | Is carried out in an area at a workplace in which there is any movement of powered mobile plant | Hit by Falling Objects | D Unlikely | 3 Medium | 6 | Any spoil must be stored at least 1m back from edge and on down slope side. All lifting gear is to be maintained as per manufacturer specifications and inspected daily by a competent person - Synthetic slings are to be checked 3 monthly and documented on a register. Chains are to be tested yearly and documented on a register. The SWL of lifting equipment is not to be exceeded. Where a dogman will not be used - Weight of load to be lifted to be predetermined by a competent person and marked on load. Selection of sling & slinging techniques for load is predetermined by a competent person. Lifting points are to be predetermined by a competent person and marked on the load. Standard lifting procedures must be documented within HR SWMS. Authorised person only to be in direct workzone. | | 3. Engineering | SS / SM | 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 |
| Plumbing | Risk of Person Falling more than 2m | Fall of Person | C Possible | 4 Large | 12 | Platform ladders or EWP's are to be used in the first instance. Work trestles a minimum width of 450mm can be used. Step Ladders may only be used for minor works which take less than 15 minutes to complete and 3 points of contact must be maintained. 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. Ladders to be stepped back from any edges of a building/balconies at least 3m or 1:1 ratio if a full perimeter screen/scaffold has been installed. | Ticketed Personnel required for operation of EWP. Harness to be worn and connected prior to bucket being raised. Harness to be inspected daily before use and maintained as per manufacturer specifications. Mobile scaffold to be used. Any mobile scaffold over 4m needs to be erected by a ticketed scaffolder. | 3. Engineering | SS / SM | 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 |
| Plumbing | | Fire/Explosion | C Possible | 3 Medium | 9 | Hot Works Permit to be in place. Area to be clear of combustible materials. Correct PPE to be worn. Flash back arrestors to all oxy sets. | Flash/welding Screens to be installed to protect the public and other workers. | 3. Engineering | SS / SM / FM | 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, Welding processes COP |

PBS Project Risk Register

PBS Project Risk Register (PRR)



| Workplace Location: St Hedwigs Village, 134-140 Reservoir Rd, Blacktown | | Acronym | Responsible Positions | | | Hierarchy of Control | | Control Selections | | %Controls ≥ Engineering 91% %Controls < Engineering 9% &Check formulas in L2-L7 if you add rows to ensure range is correct Delete Legislation / Codes not applicable to your jurisdiction | |
|---|---|--|----------------------------------|--------------|-------------|---|--|--|------------------------|--|--|
| Issue Number: | Rev 5.0 Updated to clarify Electrical Easment Controls | SS | Sub-Contractor Supervisor | | | 6. Elimination | 3 | | | | |
| Issue Date: | 22/09/2021 | SM | Site Manager | | | 5. Substitution | 6 | | | | |
| | | FM | Foreman | | | 4. Isolation | 71 | | | | |
| | | CA | Contracts Administrator | | | 3. Engineering | 109 | | | | |
| | | EHSQ | EHSQ Co-Ordinator | | | 2. Administration | 19 | | | | |
| | | PE/SE | Project Engineer / Site Engineer | | | 1. PPE | 0 | | | | |
| Activity Description | High Risk Construction Work | Hazard / Impact (Worst Credible Consequence) | Likelihood | Consequence | Risk Rating | Mandatory Control Measures | Site Specific Control Measures | Hierarchy of Control (Highest Level Control) | Responsible | Status | Legal and other requirements |
| Plumbing | | Cuts and Lacerations | C Possible | 2 Small | 6 | All guards to be fitted to power tools. All PPE requirements shall be assessed in the contractors HR SWMS | | 3. Engineering | SS / SM / FM | 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 |
| Plumbing | Is carried out in an area at a workplace in which there is any movement of powered mobile plant | Hit by Moving Plant | B Likely | 4 Large | 16 | No one is to approach plant unless confirmation has been received by the operator that it is ok to approach. All plant to have flashing beacons operating. Mobile phones not to be used when operating plant and equipment. Operator to be appropriately Trained / Ticketed. | Exclusion zone to be in place to prevent unauthorised entry to work area. Access ways to be redirected to ensure no personnel inside operating areas. Outriggers of crane to be protected by jersey kurbs or similar to prevent contact from other plant/vehicles. Use Tag Lines when appropriate to control light weight &/or large panel lifts in windy conditions. Dogman and Operator to sign into Crane Management Sub Plan. Spotter/Dogman to have positive communication with operator (via hand signals, whistle or UHF radio) at all times. Seat belts to be worn at all times where fitted. Refer to mobile crane operations activity and excavation activity in this PRR. | 4. Isolation | SS / SM | 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, Managing the risks of plant in the workplace COP |
| Plumbing | | Hit by Falling Objects | C Possible | 2 Small | 6 | Authorised person only to be in direct workzone. | Tools to be on lanyards when working above 2m fall risk. Physical barriers to be in place as an exclusion zone and must take into consideration the arc, fall and bounce of materials and tools. Area to be bunted off with signage to prevent unauthorised access. | 4. Isolation | SS / SM | 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 |
| Plumbing | | Environmental Contamination from Spill of Hazardous Chemicals/Substances | E Rare | 2 Small | 2 | Contractor to provide, and have readily available access to, a spill kit which is appropriately sized for the risk of spill when refuelling or if damage was to occur to a piece of plant and equipment. Workers must be trained in the use of spill kits and the SDS's for chemicals/substances that they are using on this project. | | 3. Engineering | SS / SM | 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, Managing risks of hazardous chemicals in the workplace COP |
| Plumbing | | Exposure to Hazardous Material | D Unlikely | 2 Small | 4 | Correct PPE to be worn. SDS to be communicated to all workers involved in the task via TBT, training register or SWMS. Hazardous Materials to be stored in designated storage area immediately after use. | Hazardous Materials and Dangerous Goods sub plan to be in place. | 4. Isolation | SS / SM | 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, Managing risks of hazardous chemicals in the workplace COP |
| Post Tension Stressing | | Plant Failure | B Likely | 3 Medium | 12 | Gauge to be calibrated as per manufacturer specifications. Plant and equipment to be maintained as per manufacturer specifications. | | 2. Administration | SS / SM | 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, Managing the risks of plant in the workplace COP |
| Post Tension Stressing | | Hit by Falling Objects | B Likely | 4 Large | 16 | Place solid back board in position behind stressing conduct prior to installing stressing cables. Ensure barrier installed behind stressing equipment during initial and final stress. Signage to be installed whilst stressing. Authorised person only to be in direct workzone. | | 3. Engineering | SS / SM | 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 |
| Post Tension Stressing | Risk of Person Falling more than 2m | Fall of Person | B Likely | 4 Large | 16 | Fall Protection must be in place around edge of slab. | PT pans to be filled in as soon as is practicable. Covers to be installed over PT pans until filled in where they are situated in access ways. 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 | SS / SM | 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 |
| Post Tension Stressing | | Cuts and Lacerations | B Likely | 3 Medium | 12 | All guards to be fitted to power tools. Wear gloves when working with sharp steel edges. | Use a spotter at exiting point of tendon to ensure no other workers in the vicinity. Spotter is not to stand directly behind/in front of ducts. Erect physical barriers and signage as an exclusion zone. Strand ends to be protected and capped. | 4. Isolation | SS / SM / FM | 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 |
| Post Tension Stressing | | Fire/Explosion | C Possible | 3 Medium | 9 | Hot Works Permit to be in place. Area to be clear of combustible materials. Correct PPE to be worn. | | 3. Engineering | SS / SM / FM | 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, Welding processes COP |
| Post Tension Stressing | | Failure of Structure | C Possible | 5 Very Large | 15 | Forworker/Engineer to include in drawing or provide written instruction where load points are on deck. Ensure satisfactory concrete testing before final stress. | Location of where coil is to be set down on deck is to be physically marked/indicated. | 3. Engineering | SS / SM / FM / SE / CA | 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, Safe Design of Structures COP |
| Precast | Involves tilt-up or precast concrete | Failure of Structure | B Likely | 5 Very Large | 20 | Structural engineers load point and panel approval are provided prior to erection. HR SWMS to include engineered propping method and reference lift plan & erection process plan. Structural engineer sign off to be provided after installation. Correct bolts to be used to secure props. Locks to be installed on every prop. | Formwork engineering certificate provided before setting pads. | 3. Engineering | SS / SM / FM / SE / CA | 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, Safe Design of Structures COP |
| Precast | Involves tilt-up or precast concrete | Hit by Falling Objects | A Almost Certain | 5 Very Large | 21+ | Suitable rigger experienced in precast erection to supervise lifting process. Secondary secure line to be used when "cracking" the load. No workers to be in the release zone when driver is cracking the load. Engineer designed and approved precast insert points use compatible lifting clutches. Panel to be hooked up by an intermediate rigger. Birth certificate to be issued to PBS before approval to erect or unload on site. Authorised person only to be in direct workzone. | Exclusion zone to be in place to ensure personnel are not underneath suspended loads or in restricted areas. Tools to be on lanyards when working out of EWP. | 4. Isolation | SS / SM | 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 |
| Residential Plaster (ACT Only) | | Hit by Falling Objects | D Unlikely | 3 Medium | 6 | Authorised person only to be in direct workzone. | Physical barriers to be in place as an exclusion zone and must take into consideration the arc, fall and bounce of materials and tools. Area to be bunted off with signage to prevent unauthorised access. | 4. Isolation | SS / SM | 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 |
| Roof Hand-Rail Installation | Risk of Person Falling more than 2m | Fall of Person | A Almost Certain | 4 Large | 20 | Erected in accordance with suppliers installation manual to full perimeter of structure. Handover Certificate to be completed and provided to PBS. Scaff Tag (or equivalent signage) to be displayed on rail adjacent to entry point. HR SWMS to be developed by installer. | Entry point to roof to ensure there is no exposure to worker of risk of fall (swing gate at top of ladder or similar) EWP, Platform ladder, Scaffold, snappy scaffold or painters tressel system to be used for the install of roof perimeter hand-rail system. | 3. Engineering | SS / SM | 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 |

PBS Project Risk Register

PBS Project Risk Register (PRR)



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|---|---|--|----------------------------------|--------------|-------------|--|---|--|---------------|--|--|
| Issue Number: | Rev 5.0 Updated to clarify Electrical Easment Controls | SS | Sub-Contractor Supervisor | | | 6. Elimination | 3 | | | | |
| Issue Date: | 22/09/2021 | SM | Site Manager | | | 5. Substitution | 6 | | | | |
| | | FM | Foreman | | | 4. Isolation | 71 | | | | |
| | | CA | Contracts Administrator | | | 3. Engineering | 109 | | | | |
| | | EHSQ | EHSQ Co-Ordinator | | | 2. Administration | 19 | | | | |
| | | PE/SE | Project Engineer / Site Engineer | | | 1. PPE | 0 | | | | |
| Activity Description | High Risk Construction Work | Hazard / Impact (Worst Credible Consequence) | Likelihood | Consequence | Risk Rating | Mandatory Control Measures | Site Specific Control Measures | Hierarchy of Control (Highest Level Control) | Responsible | Status | Legal and other requirements |
| Roofing | Risk of Person Falling more than 2m | Fall of Person | A Almost Certain | 4 Large | 20 | Heavy Duty sarking or safety mesh with adequate overlap and tie points or intermediate battens must be installed. Authorised access to roof only. 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. | Safety Mesh to be signed off by competent person and handover to be given to PBS. Voids to be adequately protected prior to accessing roof level (i.e skylights) Where the slope of a roof exceeds 35 degrees the roof is an inappropriate surface to stand on, even with guadrailing or a catch platform. In these circumstances, roof workers need a system to prevent both sliding and falling from the perimeter and this must be documented in the HR SWMS. Use of Harness Work Permit to be issued. Harness to be inspected daily before use and maintained as per manufacturer specifications. Person with working at heights ticket to conduct works involving use of harness only. Safety catch netting installed under potential fall zones. Perimeter scaffolding installed around the perimeter. | 3. Engineering | SS / SM / FM | 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 |
| Roofing | | Hit by Falling Objects | B Likely | 4 Large | 16 | Authorised person only to be in direct workzone. | Tools to be on lanyards when working above 2m fall risk. Physical barriers to be in place as an exclusion zone and must take into consideration the arc, fall and bounce of materials and tools. Area to be bunted off with signage to prevent unauthorised access. | 4. Isolation | SS / SM | 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 |
| Roofing | | Noise | D Unlikely | 2 Small | 4 | Hearing Protection to be worn. | Signage to be in place when using Explosive Power Tools. | 2. Administration | SS / SM | 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, Managing noise and preventing hearing loss at the work COP |
| Roofing | | Cuts and Lacerations | E Rare | 2 Small | 2 | All guards to be fitted to power tools. Wear gloves when working with sharp steel edges. Eye Protection to be worn when using explosive power tool. No high velocity/direct action Explosive Power Tool to be used on site unless approved by PBS Site Manager and the controls required are communicated to workers via a toolbox. Explosive Powered Tool charges must be stored in a locked metal box marked "explosives". Used charges must be disposed of immediately after use. | Hot works Permit to be in place | 5. Substitution | SS / SM / FM | 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 |
| Roofing | Is carried out in an area at a workplace in which there is any movement of powered mobile plant | Hit by Moving Plant | D Unlikely | 4 Large | 8 | No one is to approach plant unless confirmation has been received by the operator that it is ok to approach. All plant to have flashing beacons operating. Mobile phones not to be used when operating plant and equipment. Operator to be appropriately Trained / Ticketed. | Exclusion zone to be in place to prevent unauthorised entry to work area. Access ways to be redirected to ensure no personnel inside operating areas. Outriggers of crane to be protected by jersey kurbs or similar to prevent contact from other plant/vehicles. Use Tag Lines when appropriate to control light weight &/or large panel lifts in windy conditions. Dogman and Operator to sign into Crane Management Sub Plan. Spotter/Dogman to have positive communication with operator (via hand signals, whistle or UHF radio) at all times. Seat belts to be worn at all times where fitted. Refer to mobile crane operations activity | 4. Isolation | SS / SM | 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, Managing the risks of plant in the workplace COP |
| Scaffold | Risk of Person Falling more than 2m | Fall of Person | A Almost Certain | 4 Large | 20 | Non - compliant areas of scaffold are to be isolated with signage (i.e Danger - incomplete scaffold). Sequential erection / dismantle method to ensure fall prevention for scaffolders at all times. Scaffolder working platforms to be min 450mm wide with access & handrails above 1.5m fall. No trades to modify any scaffold components / arrangements nor overload platforms. | 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 | SS / SM | 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 |
| Scaffold | | Hit by Falling Objects | A Almost Certain | 4 Large | 20 | Exclusion zone using physical barrier to be in place for erection / dismantle / altering of scaffold activities. All platforms shall be closely decked such that a gap between individual decking components in a bay is not greater than 10mm - this applies to platforms greater than 2m above ground. Authorised person only to be in direct workzone. | Working platforms are to be fully enclosed to prevent objects / materials falling through. The resultant gap between the finished face of the building and the platform edge or adjacent horizontal member of the scaffold does not exceed 100mm. | 3. Engineering | SS / SM | 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 |
| Scaffold | | Failure of Structure | A Almost Certain | 5 Very Large | 21+ | Ensure that person/s are nominated to co-ordinate number of scaffold working decks (i.e close off access to current non working decks) & material loading on each deck at any one time. Scaffold to be erected in accordance with manufacturer's instructions &/or in accordance with approved scaffold plan. Handover certificate to be provided and scaff tags to be updated at each access point / change of duty loading every 30 days. No trades to modify any scaffold components / arrangements nor overload platforms. Allowable loading limits to be signed or marked on scaffold decks. Provide protection to scaffold components adjacent to areas where mobile plant is operating. | Use designated loading platforms with loading limit signage displayed. Scaffshield to be installed on all ties | 3. Engineering | SS / SM | 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, Safe Design of Structures COP |
| Scaffold | Is carried out on or near energised electrical installations or services | Contact with Overhead Power Lines | B Likely | 5 Very Large | 20 | No unloading / loading of trucks to happen in the vicinity of these powerlines. All plant to remain at a minimum approach distances to powerlines. Up to 132,000 volts = 3m. 132,000 - 330,000 volts = 6m. Above 330,000 = 8m. | Endeavour Energy to provide intrusion where scaffold is in proximity to Easment. (e.g rubber matting, plywood). | 3. Engineering | SS / SM | 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, Managing the risks of plant in the workplace COP, Managing electrical risks in the workplace COP |
| Scaffold | Is carried out in an area at a workplace in which there is any movement of powered mobile plant | Hit by Moving Plant | C Possible | 4 Large | 12 | No one is to approach plant unless confirmation has been received by the operator that it is ok to approach. All plant to have flashing beacons operating. Mobile phones not to be used when operating plant and equipment. Operator to be appropriately Trained / Ticketed. | Exclusion zone to be in place to prevent unauthorised entry to work area. Access ways to be redirected to ensure no personnel inside crane operating areas. Outriggers of crane to be protected by jersey kurbs or similar to prevent contact from other plant/vehicles. Use Tag Lines when appropriate to control light weight &/or large panel lifts in windy conditions. Dogman and Operator to sign into Crane Management Sub Plan. Spotter/Dogman to have positive communication with operator (via hand signals, whistle or UHF radio) at all times. Seat belts to be worn if available. Refer to mobile crane operations activity in this PRR. | 4. Isolation | SS / SM | 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, Managing the risks of plant in the workplace COP |
| Scaffold | | Working in High Temperatures - Heat Stress/Heat Exhaustion | D Unlikely | 2 Small | 4 | Sufficient quantities of cool drinking water is readily available close to work areas. Regularly rotate workers who perform more strenuous activities with less demanding tasks. Take regular work breaks in cooler areas such as air conditioned sheds. | Shade Covers to be installed. Workers to wear broad brimmed hats and sunglasses for UV protection. | 3. Engineering | SS / SM / HSR | 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, Managing the work environment and facilities COP |
| Scaffold | | Working in Cold, Inclement or Windy Weather | D Unlikely | 2 Small | 4 | Heated amenities to be provided. Suitable Access / Egress to be provided to work areas. Following adverse weather conditions a full inspection to be conducted by a competent person of the scaffold. | Inspection to be conducted prior to gates of site open by PBS Site Manager/ EHS Committee to assess all access routes. Any unsuitable work areas are to be barricaded off with physical barrier until deemed safe to enter. | 4. Isolation | SS / SM / HSR | 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, Managing the work environment and facilities COP |

PBS Project Risk Register

PBS Project Risk Register (PRR)



| Workplace Location: St Hedwigs Village, 134-140 Reservoir Rd, Blacktown | | Acronym | Responsible Positions | | | Hierarchy of Control | | Control Selections | | %Controls ≥ Engineering 91% %Controls < Engineering 9% &Check formulas in L2-L7 if you add rows to ensure range is correct Delete Legislation / Codes not applicable to your jurisdiction | |
|---|---|--|----------------------------------|-------------|-------------|---|---|--|------------------------|--|--|
| Issue Number: | Rev 5.0 Updated to clarify Electrical Easment Controls | SS | Sub-Contractor Supervisor | | | 6. Elimination | | 3 | | | |
| Issue Date: | 22/09/2021 | SM | Site Manager | | | 5. Substitution | | 6 | | | |
| | | FM | Foreman | | | 4. Isolation | | 71 | | | |
| | | CA | Contracts Administrator | | | 3. Engineering | | 109 | | | |
| | | EHSQ | EHSQ Co-Ordinator | | | 2. Administration | | 19 | | | |
| | | PE/SE | Project Engineer / Site Engineer | | | 1. PPE | | 0 | | | |
| Activity Description | High Risk Construction Work | Hazard / Impact (Worst Credible Consequence) | Likelihood | Consequence | Risk Rating | Mandatory Control Measures | Site Specific Control Measures | Hierarchy of Control (Highest Level Control) | Responsible | Status | Legal and other requirements |
| Shotcrete | Risk of Person Falling more than 2m | Fall of Person | C Possible | 4 Large | 12 | | Mobile scaffold to be used. Any mobile scaffold over 4m needs to be erected by a ticketed scaffolder. HR Licence required for operation of EWP over 11m. Harness to be worn and connected prior to bucket being raised. Harness to be inspected daily before use and maintained as per manufacturer specifications. | 3. Engineering | SS / SM | 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 |
| Shotcrete | | Failure of Structure | C Possible | 3 Medium | 9 | Confirm engineering report (geo-tech) for max depth of unsupported excavation | | 2. Administration | SS / SM / FM / SE / CA | 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, Safe Design of Structures COP, Excavation COP |
| Shotcrete | | Hit by Falling Objects | C Possible | 2 Small | 6 | Authorised person only to be in direct workzone. | Exclusion zone using physical barriers to be in place. | 4. Isolation | SS / SM | 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 |
| Shotcrete | | Exposure to Hazardous Material | A Almost Certain | 3 Medium | 15 | Correct PPE to be worn. SDS to be communicated to all workers involved in the task via TBT, training register or SWMS. | | 2. Administration | SS / SM | 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, Managing risks of hazardous chemicals in the workplace COP |
| Shotcrete | | Noise | B Likely | 3 Medium | 12 | Hearing Protection to be worn. | Mufflers to be used on plant. | 3. Engineering | SS / SM | 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, Managing noise and preventing hearing loss at the work COP |
| Steel Fixing | Risk of Person Falling more than 2m | Fall of Person | B Likely | 4 Large | 16 | Cast/Embed 4mm mesh into larger penetrations. Fixed cover to be on all penetrations over 125mm diameter. All penetration covers to be identified similar to "Danger Penetration Below". If sizeable penetrations are located in areas where plant &/or equipment is likely to be used (eg scissor lift, pallet trolley, forklift), secured covers to be of sufficient strength with load limits displayed. Platform ladder to be used when constructing lift shafts. Scaffold or the like, platforms with edge protection to be used when constructing lift shafts or vertical walls. | No one is to stand on truck tray unless it has hand rails in place. Platform Ladder or work trestles of 450mm width to be used. Mobile scaffold over 4m needs to be erected by a ticketed scaffolder. | 3. Engineering | SS / SM | 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 |
| Steel Fixing | Is carried out in an area at a workplace in which there is any movement of powered mobile plant | Hit by Moving Plant | C Possible | 3 Medium | 9 | No one is to approach plant unless confirmation has been received by the operator that it is ok to approach. All plant to have flashing beacons operating. Mobile phones not to be used when operating plant and equipment. Operator to be appropriately Trained / Ticketed. | Exclusion zone to be in place to prevent unauthorised entry to work area. Access ways to be redirected to ensure no personnel inside crane operating areas. Outriggers of crane to be protected by jersey curbs or similar to prevent contact from other plant/vehicles. Use Tag Lines when appropriate to control light weight &/or large panel lifts in windy conditions. Dogman and Operator to sign into Crane Management Sub Plan. Spotter/Dogman to have positive communication with operator (via hand signals, whistle or UHF radio) at all times. Seat belts to be worn if available. Refer to mobile crane operations activity in this PRR. | 4. Isolation | SS / SM | 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, Managing the risks of plant in the workplace COP |
| Steel Fixing | | Fire/Explosion | C Possible | 3 Medium | 9 | Hot Works Permit to be in place. Area to be clear of combustible materials. Correct PPE to be worn. | Flash/welding Screens to be installed to protect the public and other workers. | 3. Engineering | SS / SM / FM | 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, Welding processes COP |
| Steel Fixing | | Cuts and Lacerations | B Likely | 3 Medium | 12 | All guards to be fitted to power tools. Install bar caps on all exposed steel bars. Wear gloves when working with sharp steel edges. | Hot works Permit to be in place | 3. Engineering | SS / SM / FM | 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 |
| Structural Steel | Risk of Person Falling more than 2m | Fall of Person | B Likely | 4 Large | 16 | EWP or Scaffold to be used for access for install of structural steel. Platform ladders may also be used on even surfaces. 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. | Mobile scaffold to be used. Any mobile scaffold over 4m needs to be erected by a ticketed scaffolder. Ticketed Personnel required for operation of EWP. Harness to be worn and connected prior to bucket being raised. Harness to be inspected daily before use and maintained as per manufacturer specifications. | 3. Engineering | SS / SM | 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 |
| Structural Steel | | Fire/Explosion | A Almost Certain | 3 Medium | 15 | Hot Works Permit to be in place. Area to be clear of combustible materials. Correct PPE to be worn. Flash back arrestors to all oxy sets. | Flash/welding Screens to be installed to protect the public and other workers. | 3. Engineering | SS / SM / FM | 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, Welding processes COP |
| Structural Steel | | Hit by Falling Objects | C Possible | 3 Medium | 9 | Authorised person only to be in direct workzone. | Tools to be on lanyards when working above 2m fall risk. Physical barriers to be in place as an exclusion zone and must take into consideration the arc, fall and bounce of materials and tools. | 4. Isolation | SS / SM | 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 |
| Structural Steel | Is carried out in an area at a workplace in which there is any movement of powered mobile plant | Hit by Moving Plant | C Possible | 4 Large | 12 | No one is to approach plant unless confirmation has been received by the operator that it is ok to approach. All plant to have flashing beacons operating. Mobile phones not to be used when operating plant and equipment. Operator to be appropriately Trained / Ticketed. | Exclusion zone to be in place to prevent unauthorised entry to work area. Access ways to be redirected to ensure no personnel inside crane operating areas. Outriggers of crane to be protected by jersey curbs or similar to prevent contact from other plant/vehicles. Use Tag Lines when appropriate to control light weight &/or large panel lifts in windy conditions. Dogman and Operator to sign into Crane Management Sub Plan. Spotter/Dogman to have positive communication with operator (via hand signals, whistle or UHF radio) at all times. Refer to mobile crane operations activity in this PRR. | 4. Isolation | SS / SM | 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, Managing the risks of plant in the workplace COP |
| Structural Steel | | Cuts and Lacerations | D Unlikely | 2 Small | 4 | All guards to be fitted to power tools. All PPE requirements shall be assessed in the contractors HR SWMS | 225mm grinder permit to be issued when applicable | 3. Engineering | SS / SM / FM | 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 |

PBS Project Risk Register


PBS Project Risk Register (PRR)



| Workplace Location: St Hedwigs Village, 134-140 Reservoir Rd, Blacktown | | Acronym | Responsible Positions | | | Hierarchy of Control | | Control Selections | | Legal and other requirements | |
|---|---|--|----------------------------------|--------------|-------------|---|--|---|--------------|--|--|
| Issue Number: | Rev 5.0 <small>Updated to clarify Electrical Easment Controls</small> | SS | Sub-Contractor Supervisor | | | 6. Elimination | 3 | %Controls ≥ Engineering | 91% | | |
| Issue Date: | 22/09/2021 | SM | Site Manager | | | 5. Substitution | 6 | %Controls < Engineering | 9% | | |
| | | FM | Foreman | | | 4. Isolation | 71 | | | | |
| | | CA | Contracts Administrator | | | 3. Engineering | 109 | 8Check formulas in L2-L7 if you add rows to ensure range is correct | | | |
| | | EHSQ | EHSQ Co-Ordinator | | | 2. Administration | 19 | | | | |
| | | PE/SE | Project Engineer / Site Engineer | | | 1. PPE | 0 | | | Delete Legislation / Codes not applicable to your jurisdiction | |
| Activity Description | High Risk Construction Work | Hazard / Impact (Worst Credible Consequence) | Likelihood | Consequence | Risk Rating | Mandatory Control Measures | Site Specific Control Measures | Hierarchy of Control (Highest Level Control) | Responsible | Status | Legal and other requirements |
| Tower Crane | | Plant Failure | B Likely | 4 Large | 16 | All lifting gear is to be maintained as per manufacturer specifications and inspected daily by a competent person - Synthetic slings are to be checked 3 monthly and documented on a register. Chains are to be tested yearly and documented on a register. Daily inspection to be completed by operator prior to operation. Plant to serviced and maintained as per manufacturers specifications. No 'free fall' option is allowable; if the crane has this option, it must be physically locked out. | | 4. Isolation | SS / SM | 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, Managing the risks of plant in the workplace COP |
| Tower Crane | | Hit by Falling Objects | C Possible | 4 Large | 12 | Dogman and Operator to sign into Crane Management Sub Plan. All lifting gear is to be maintained as per manufacturer specifications and inspected daily by a competent person - Synthetic slings are to be checked 3 monthly and documented on a register. Chains are to be tested yearly and documented on a register. No 'free fall' option is allowable; if the crane has this option, it must be physically locked out. Authorised person only to be in direct workzone. | Tag Lines to be used when appropriate to control light weight &/or large panel lifts in windy conditions. Immediate rigger licence required when dual lift occurring. Lanyards are to be used on all tools during crane erection/dismantle process. No multi-slinging (Christmas Tree Lifts) of materials for a single crane lift. Minimum 4 lifting points required for material & waste bins and limit load lifting to 1 bin per sling load. Suitably rated hoarding or catch deck to be installed over common areas and access ways. | 4. Isolation | SS / SM | 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 |
| Tower Crane | Is carried out on or near energised electrical installations or services | Contact with Overhead Power Lines | C Possible | 4 Large | 12 | Dogman and Operator to sign into Crane Management Sub Plan. No unloading / loading of trucks to happen in the vicinity of these powerlines. All plant to remain at a minimum approach distances to powerlines. Up to 132,000 volts = 3m. 132,000 - 330,000 volts = 6m. Above 330,000 = 8m. | Competent Spotter to have positive communication with plant (UHF radios) and observe plant movements when design envelope has the potential to reach closer than 10 metres to power lines. Install signage as visual reminder. Non conductive tag lines to be used to control load. Alarm device to be installed on tower crane to indicate location of load. Crane is to be ARC limited to prevent Unauthorised encroachment of easment. | 3. Engineering | SS / SM | 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, Managing the risks of plant in the workplace COP, Managing electrical risks in the workplace COP |
| Tower Crane | | Multiple Crane &/or Satellite Boom/Concrete Pump Collision | B Likely | 5 Very Large | 20 | Dogman and Operators to sign into Crane Management Sub Plan. Communication meeting to be held with other operators (i.e concrete boom) and crane crews daily before work begins on the site for the shift. | An automated anti-collision or zoning system must be installed on the tower cranes and gantry cranes when multiple cranes are planned to be in use and their planned lifting radius will interface with or overlap with other cranes. Crane crews are to be specifically trained in the operating features of the crane including the use and maintenance of the anti - collision or zoning system fitted to the crane. Separate vertical and horizontal communication channels shall be provided and an established procedure in place and utilised prior to slewing into another crane's radius. | 3. Engineering | SS / SM | 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, Managing the risks of plant in the workplace COP |
| Tower Crane | Risk of Person Falling more than 2m | Fall of Person | A Almost Certain | 4 Large | 20 | 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. Dogman are to remain inside/behind perimeter edge protection when working on decks. | For Erection, Dismantle and Maintenance of the Tower Crane - Use of Harness Work Permit to be issued. Harness to be inspected daily before use and maintained as per manufacturer specifications. Person with working at heights ticket to conduct works involving use of harness only. | 3. Engineering | SS / SM / FM | 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 |
| Traffic Control | Is carried out on, in or adjacent to a road that is in use by traffic other than pedestrians | Hit by Moving Vehicular Traffic | A Almost Certain | 4 Large | 20 | Consultant holding correct tickets to provide Traffic Management Plan (including Traffic Control Plan) which is specific to the works on site. Signage and Devices to be set up in accordance with approved Traffic Control Plan by workers who hold the correct tickets. Traffic Controllers to position themselves where an escape route is accessible at all times. Traffic control signs and devices are to be checked daily to confirm they are still erected as per TCP and documented using PBS Traffic Controls Daily Checklist | Physical Barrier to be set up in between workers and road users. Signage to be held down with weights and/or other appropriate methods to prevent them blowing over. Traffic and Vehicle Management Sub Plan to be in place. TCP to be generated by Authorised Agency for PBS Contracted Traffic controllers to implement (automated traffic signals) at Site Entry and residents end of site after construction DA hours. *17.108r04v02 TRAFFIX 140 Reservoir Road, Blacktown - TCP Statement" refers. PBS Traffic controllers to be engaged and instructed through Toolbox prior to implementation. | 3. Engineering | SS / SM | 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 |
| Traffic Control | Is carried out on, in or adjacent to a road that is in use by traffic other than pedestrians | Impact on current Traffic Conditions | C Possible | 5 Very Large | 15 | Traffic Management and Traffic Control Plan to be in place which has been selected or created by a competent person. Traffic Control signage and devices to be installed as per approved TCP. | No contractor parking on site. Workers are advised to utilise public transport. Work Zone on the road is only to be utilised for delivery of material and tools. Traffic and Vehicle Management Sub Plan to be in place. TCP to be generated by Authorised Agency for PBS Contracted Traffic controllers to implement (automated traffic signals) at Site Entry and residents end of site after construction DA hours. *17.108r04v02 TRAFFIX 140 Reservoir Road, Blacktown - TCP Statement" refers. PBS Traffic controllers to be engaged and instructed through Toolbox prior to implementation | 5. Substitution | SS / SM | 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 |
| Traffic Control | Is carried out on, in or adjacent to a road that is in use by traffic other than pedestrians; Is carried out in an area at a workplace which there is any movement of powered mobile plant. | Vehicle / Plant Collision | C Possible | 5 Very Large | 15 | Traffic Management and Traffic Control Plan to be in place which has been selected or created by a person holding the correct tickets if works conducted outside PBS Perimeter Fencing. Traffic Control signage and devices to be installed as per approved TCP. Traffic control signs and devices are to be checked daily to confirm they are still erected as per TCP and documented using PBS Traffic Controls Daily Checklist | Traffic and Vehicle Management Sub Plan to be in place. No contractor parking on site. TTCP to be generated by Authorised Agency for PBS Contracted Traffic controllers to implement (automated traffic signals) at Site Entry and residents end of site after construction DA hours. *17.108r04v02 TRAFFIX 140 Reservoir Road, Blacktown - TCP Statement" refers. PBS Traffic controllers to be engaged and instructed through Toolbox prior to implementation | 2. Administration | SS / SM | 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 |
| Tree Trimming and Removal Work | | Cuts and Lacerations | C Possible | 4 Large | 12 | All guards to be fitted to power tools. Only competent (as per national unit of competency) and trained operators to use chainsaw. Chainsaw should not be used above shoulder height. Select chainsaw with the shortest practicable bar length for each work task undertaken. Chainsaw to be operated and maintained in accordance with manufacturers instructions. Chainsaw to be started on level ground and be secure when pulling the starter. | 225mm grinder permit to be issued when applicable | 5. Substitution | SS / SM | 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 |
| Windows | Risk of Person Falling more than 2m | Fall of Person | B Likely | 4 Large | 16 | Scaffold to be used. Platform ladders may be used on ground floor. 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. Ladders to be stepped back from any edges of a building/balconies at least 3m or 1:1 ratio if a full perimeter screen/scaffold has been installed. | Mobile scaffold to be used. Any mobile scaffold over 4m needs to be erected by a ticketed scaffolder. Loads to arrive pre-slung to eliminate the need for workers to stand on the truck tray. Internal edge protection needed when installing windows from inside the building on any level above ground. | 3. Engineering | SS / SM | 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 |
| Windows | | Hit by Falling Objects | B Likely | 3 Medium | 12 | Approved, regularly inspected lifting frames to be used. Check section and battery strength prior to lifting if applicable. Engineered lifting frames to be inspected annually by boiler maker or other competent person to ensure suitability for purpose and be recorded on plant and equipment register. Authorised person only to be in direct workzone. | Tools to be on lanyards when working above 2m fall risk. Physical barriers to be in place as an exclusion zone and must take into consideration the arc, fall and bounce of materials and tools. Area to be bunted off with signage to prevent unauthorised access. | 4. Isolation | SS / SM | 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 |
| Windows | Is carried out in an area at a workplace in which there is any movement of powered mobile plant | Hit by Moving Plant | C Possible | 4 Large | 12 | No one is to approach plant unless confirmation has been received by the operator that it is ok to approach. All plant to have flashing beacons operating. Mobile phones not to be used when operating plant and equipment. Operator to be appropriately Trained / Ticketed. | Exclusion zone to be in place to prevent unauthorised entry to work area. Access ways to be redirected to ensure no personnel inside operating areas. Outriggers of crane to be protected by jersey kurbs or similar to prevent contact from other plant/vehicles. Use Tag Lines when appropriate to control light weight &/or large panel lifts in windy conditions. Dogman and Operator to sign into Crane Management Sub Plan. Spotter/Dogman to have positive communication with operator (via hand signals, whistle or UHF radio) at all times. Seat belts to be worn at all times where fitted. Refer to mobile crane operations activity in this PRR. | 4. Isolation | SS / SM | 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, Managing the risks of plant in the workplace COP |
| Windows | | Cuts and Lacerations | D Unlikely | 2 Small | 4 | All guards to be fitted to power tools. All PPE requirements shall be assessed in the contractors HR SWMS | Hot works Permit to be in place | 3. Engineering | SS / SM | 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 |

PBS Project Risk Register

PBS Project Risk Register (PRR)

| Workplace Location: St Hedwigs Village, 134-140 Reservoir Rd, Blacktown | | Acronym | Responsible Positions | | | Hierarchy of Control | | Control Selections | |  | |
|--|--|--|----------------------------------|-------------|-------------|--|---|---|-------------|--|---|
| Issue Number: Rev 5.0 | Updated to clarify Electrical Easment Controls | SS | Sub-Contractor Supervisor | | | 6. Elimination | 3 | %Controls ≥ Engineering | 91% | | |
| Issue Date: 22/09/2021 | | SM | Site Manager | | | 5. Substitution | 6 | %Controls < Engineering | 9% | | |
| | | FM | Foreman | | | 4. Isolation | 71 | &Check formulas in L2-L7 if you add rows to ensure range is correct Delete Legislation / Codes not applicable to your jurisdiction | | | |
| | | CA | Contracts Administrator | | | 3. Engineering | 109 | | | | |
| | | EHSQ | EHSQ Co-Ordinator | | | 2. Administration | 19 | | | | |
| | | PE/SE | Project Engineer / Site Engineer | | | 1. PPE | 0 | | | | |
| Activity Description | High Risk Construction Work | Hazard / Impact (Worst Credible Consequence) | Likelihood | Consequence | Risk Rating | Mandatory Control Measures | Site Specific Control Measures | Hierarchy of Control (Highest Level Control) | Responsible | Status | Legal and other requirements |
| Local Traffic Condition | | | | | | PBS will either communicate directly (through Letter drops, Public Notice Boards or Consultation sessions) with these entities, or through the client established communication protocols for feedback when assessing HIRAC to be implemented when reducing any potential risk(s) posed. PBS will either communicate directly (through Letter drops, Public Notice Boards or Consultation sessions) with these entities, or through the client established communication protocols for feedback when assessing HIRAC to be implemented when reducing any potential risk(s) posed. | Client to be notified where potential impacts clients and village residents TCP to be generated by Authroised Agency for PBS Contracted Traffic controllers to implement (automated traffic signals) at Site Entry and residents end of site after construction DA hours. *17.108r04v02 TRAFFIX 140 Reservoir Road, Blacktown - TCP Statement* refers. PBS Traffic controllers to be engaged and instructed through Toolbox prior to implementation. PM to notify client through formal meeting and correspondence. | | | Open | |
| Neighbouring Residents | | | | | | PBS will either communicate directly (through Letter drops, Public Notice Boards or Consultation sessions) with these entities, or through the client established communication protocols for feedback when assessing HIRAC to be implemented when reducing any potential risk(s) posed. | Client to be notified where potential impacts clients and village residents | | | Open | |
| Local Council Requirements | | | | | | PBS will either communicate directly (through Letter drops, Public Notice Boards or Consultation sessions) with these entities, or through the client established communication protocols for feedback when assessing HIRAC to be implemented when reducing any potential risk(s) posed. | | | | Open | |
| Cutting Grinding or drilling Products containing Crystalline Silica (e.g. Concrete/Bricks/Tiles & Stone) | | Respirable Crystalline Silica Exposure | C Possible | 4 Large | 12 | 1. SDS for products to be submitted to PBS prior to works commencing. 2. Contractor SWMS are to capture required work practices to control risk for works conducted. 3. Minimum Requirements are: Use of Wet Cutting/Grinding with P2 Masks, or Dry Cut/Grind/Drill Use of H or M class vacuum/capture systems and attachments and P2 Masks | Extraction units required where works are conducted indoors, regular Housekeeping and maintenance of Vaccum systems | 3. Engineering | SS/SM | Open | WHS Act 2011, WHS Regulations 2017, Construction Work COP, How to manage work health and safety risks COP, PBS Safety Guide |