ORGANISATION DETAILS			
Organisation Name:	Gedoun Constructions Pty Ltd	**Contact Name:**	Joe Gedoun
ACN/ABN:	52 284 873 581	**Contact Position:**	Director
Address:	PO Box 1138, Townsville QLD 4810	**Contact Phone Number:**	0412 968 974

PROJECT DETAILS					
Project:	Gedoun Construction Sites	**Project Address:**	Gedoun Construction Sites		
Project No:		**This WMS has been developed in consultation with:**	Joe Gedoun		
Activity:	Plumbing and Draining	**Reviewed by:**	Stacy Jacobsen		
		Position:	Contract Administrator		
Training/Instructions to be provided:	☑ Site Induction Training ☑ OHS Induction Card Training ☑ Manual Handling Training	☑ Task Specific Training, Manual Handling Training ☑ Training Specified in any MSDS ☑ Other (Specify): _____			
Resources/Trades Involved:	Plumber and Drainers	**Engineering Details/Certificates/EPA/QLD Work Place Health & Safety Approvals:**	Nil		
Plant/Equipment Used:		**Warning Signs and Controls Measures:**	As per Displayed Signage		
		Details of Emergency Procedures:	As per Site Safety Plan		
Personal Protective Equipment (PPE) to be used:	High Visibility Clothing and Safety Footwear (Steel Capped Boots) are to be worn by ALL worksites. Fire retardant material long sleeve shirt, trousers, safety helmet, safety glasses, rescue kit, low voltage insulating gloves.	**Safety Data Sheets Required:**	Unleaded fuel, Bostik plumb weld, Bostik solvent cement, Acetylene, Compressed oxygen		

PROJECT DETAILS			
Occupational Health Safety or Environmental Legislation:	• Queensland Acts & Regulations • Workplace Health & Safety Act 2011, Workplace Health & Safety Regulations 2011 • Electrical Safety Act 2015, Electrical Safety Regulations 2013 • Building and Construction Industry Improvement Acts 2005	**Codes and/or Standards Applicable to the Works:**	Building Code of Australia 2010 Queensland & National Codes of Practice: • Building and Construction 2000 Updated 2011 • Noise 2004 • Scaffold 2009 • Electrical 2013 • Manual Tasks 2010 • Plant 2013 • First Aid 2015 • Hazardous Substances 2011 • Prevention of Falls in Housing Construction 2012 • Construction Work 2013 • Building Code of Australia 2015 • Hazardous Substance Code of Practice 2003 National Standards: • Risk Management AS/NZS150 31000:2009 • National Standard for Construction Work NOSHC:1 016 (2005) • National Standard for Manual Tasks 2007

HIGH RISK ACTIVITY: WORKING ON OR NEAR EXPOSED ENERGISED ELECTRICAL EQUIPMENT									
JOB STEP	**POTENTIAL HAZARDS**	**RISK SCORE** (Before Control Measures)			**CONTROLS**	**RESIDUAL RISK** (After Control Measures)			**PERSON RESPONSIBLE**
		L	**C**	**R**		**L**	**C**	**R**	
General Job Planning	- Inadequate information received to enable appropriate planning for the work to be conducted - Inadequate installation of safety fencing and signage - Inappropriate use and application of mobile plant - Lack of understanding of site specific requirements (injury) - Falling branched or contact with overhead wires (injury) - Sun/heat damage	3	2	6	- Manager to receive appropriate details of the work to be undertaken and materials to be delivered prior to the allocation of both equipment and staff or subcontractors to the site - Manager to be aware of all site requirements, issues and hazards before works begin. In relation to the delivery of material, a separate and secure area is to be established. Manager to ensure that all staff and subcontractors are aware of safe site access for all people and plant - Manager to secure a copy of the Work Method Statement as provided by Principal Contractor/Builder - Equipment to be sent to the work task shall be appropriately designed and matched in order to undertake the nature of the work to be conducted - All operators will have read and understood the operators manual before operating the equipment - Site personnel and subcontractors to engage in site specific induction process or generic client induction (as applicable) - Manager to ensure that the location is secure and appropriated barriers are in place in order to protect the public - Manager to check and assess site for overhead wires and tree branches - Manager to supply personal protective equipment for protection from the sun and adequate water	1	2	2	Manager

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		L	**C**	**R**		**L**	**C**	**R**	
Site Preparation	- Movement of vehicles and equipment onsite and delivery of resources (collision risk) - Movement of resources (manual handling) - Dust hazards (accident) - Obstructions (tripping) - Unattended machinery (injury) - Noise hazard - Fuel (skin contact, inhalation, fire/explosion)	3	2	6	- The delivery of all materials will be in accordance with requirements and site specific safety plans. Where possible all deliveries will be made and coordinate with existing onsite personnel - Manager to check and assess site for overhead wires and tree branches - Heavy equipment will be moved according to weight and size. Material delivered on pallets will be moved by pallet jack only. Staff are to assess each item and determine if an additional person is required for movement and placing into position - All loads are to be fully tarped and waste material is to be contained - Materials and equipment will be kept tidy and clean at all times to prevent tripping and associated hazards - Staff or subcontractor to manage the transfer and application of unleaded fuel, including storage. Manager to supervise the transfer and storage of this material	1	2	2	Operators and Supervisors
Site Excavation Works	- Underground services – pipe works, communications - Entry to a trench of more than 1.5m in depth without batons (collapse) - Subcontractor management and activities - Mobile plan movement on site	3	2	6	- Manager to consult with the client in relation to any existing services. All services to be identified to staff members and subcontractors - Trench will be only at 2m deep and it will be battered out 500mm and down on each side. The trench will be dug and filled on a single working day. There will be 2 personnel (1 doing trench work and 1 on top of trench), whilst there is personnel in the trench	1	2	2	All Staff and Manager

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		L	**C**	**R**		**L**	**C**	**R**	
Site Excavation Works (Continued)	– dingo - Loading of trucks with excavated earthworks (injury to staff or other contractors) - Fuel (skin contact, inhalation, fire/explosion) - Dust management (accident)				- Works to be undertaken by staff subcontractors in relation to all site excavation. Manager to ensure that staff and subcontractors have sighted and read WMS, participate in inductions, use qualified operators and apply PPE - Ensure that staff and subcontractors have viewed and comply with the WMS as provided by client - Where mobile plant is required all movements will be supervised and managed by a spotter on the ground. Where access to a truck is required and roads or footpaths are crossed the appropriate signage and control measures will be in place - Subcontractor and Manager to ensure that all warning lights and signals are operational on vehicles and plant moving on site - Staff/subcontractor to manage the transfer and application of unleaded fuel, including storage. Manager to supervise the transfer and storage of this material				
Installation	- Lifting and placement of items (lifting/manual handling hazards) - Movement on site with resources (collision) - Chemical use – Bostik plumb weld and solvent cement (burns, asphyxiation) - Gas installation	3	2	6	- Items over a certain weight must be lifted using appropriate equipment or two staff at all times. When items must be carried through narrow access two personnel must be used at all times - The positioning of heavy items must be undertaken by two staff members with the identification of location before movement - Staff will check the immediate environment before lifting and carrying heavy objects in order to prevent	1	2	2	All Staff and Manager

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		L	**C**	**R**		**L**	**C**	**R**	
Installation (Continued)	(asphyxiation/fire hazard) - Movement throughout the site (tripping hazard) - Use of equipment and tools (electrification/injury)				collisions - Staff must performs checks before the use of all equipment to examine the immediate surrounding, appropriate surface for works and safe power source Staff to check ventilation of the immediate area before beginning any works that require the following: **Bostik Solvent Cement:** Any use of this chemical will require the following: - Use only with adequate ventilation. Ventilation should ensure exposure is kept as low as practicable or at least below the recommended exposure standards - Avoid contact with skin and eyes and avoid breathing vapours. The following is recommended: o If there is a danger of skin contact gloves made from Polyvinyl Alcohol (PVA) should be suitable for intermittent contact o Safety goggles if risk of eye contact exists Refer to MSDS for First Aid Treatment **Bostik Plumb Weld:** Any use of this chemical will require the following: - Ensure ventilation is adequate to maintain air concentrations below Exposure Standards as per MSDS - If there is a danger of skin contact, gloves made from				

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Installation (Continued)					Polyvinyl Alcohol (PVA) should be suitable for intermittent contact - Safety glasses if risk of eye contact exists - Keep containers closed when not in use - Always wash hands before smoking, eating, drinking or using the toilet Refer to MSDS for First Aid Treatment **Compressed Oxygen:** Use of compressed oxygen will require the following - Operation of equipment in accordance with manufacturer's instructions - Assessment of immediate surroundings in relation to ventilation requirements - Pre-start check of all equipment to identify any faulty cylinders - No smoking or naked flames unrelated to operations - Staff to notify emergency services of equipment on sire in the event of a fire - Refer to MSDS for First Aid Treatment **Acetylene:** Use of acetylene will require the following: - Review of the immediate environment to ensure adequate ventilation - Staff to prevent direct exposure to skin or eyes - Equipment to be utilized in accordance with manufacturer's instructions - Transport and movement of cylinders separate from				

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		L	**C**	**R**		**L**	**C**	**R**	
Installation (Continued)					flammable gases and other combustibles - Staff to notify emergency services of equipment on site in the event of a fire Refer to MSDS for First Aid Treatment When using other material such as silicon or no more gaps, care should be taken to prevent contact with eyes. If required staff should wash their hands after use				
Access to Roof	- Falling hazard 3m or more - Tripping hazard - Climbing hazard - Exposure to elements, heat and sun	3	2	6	**Falling 3m (domestic housing) or 2m (commercial projects) or more while accessing the roof (max. pitch 25 degrees):** - Principal contractor will supply edge protection for gable ends which will be erected and dismantled by qualified roof plumbers - Staff and subcontractor will provide their own ladders for access where necessary. They will: o Be placed on a level base at an angle of between 70 and 80 degrees o Extend at least 1m beyond the access point o Be secured at the top and/or the bottom before being used **Falling 3m (domestic housing) or 2m (commercial projects) or more while working on the roof (max. pitch 25 degrees):** - Timber batons, including the spans, will comply with the attached architectural plans - Batons will be fixed starting from the tail end and	1	2	2	All Staff and Manager

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		L	**C**	**R**		**L**	**C**	**R**	
Access to Roof (Continued)					working to the ridgeline - Only qualified personnel will be allowed access to the roof - The slope of the roof is unlikely to cause falls, as it is less than 25 degrees - No personnel are to be on the roof if it is wet **Falling 3m (domestic housing) or 2m (commercial projects) or more while working on trestles:** - The use of trestles and planks is permissible if used in accordance with standards - If above 3m the edge protection must be used - Each trestle must be secured to prevent it from moving - The planks or platforms must be a min. of 450mm wide, if 2 planks are used to make up the width then they must be properly secured to prevent them separating and moving Manager to supply PPE for protection from the sun and adequate water				
Completion of Work	- Incorrect shut down of equipment - Equipment damage - Incorrect loading of equipment for transport (equipment movement) - Poor housekeeping	3	2	6	- Shut down equipment as per approved operations manual procedures - All equipment is to be transported back to depot at end of day. Only where approved by the Manager, shall equipment remain on site - All tools and equipment shall be accounted for. Site to be left free of debris. Final site inspection	1	2	2	Manager and Staff

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JOB STEP	**POTENTIAL HAZARDS**	**RISK SCORE** (Before Control Measures)			**CONTROLS**	**RESIDUAL RISK** (After Control Measures)			**PERSON RESPONSIBLE**
		L	**C**	**R**		**L**	**C**	**R**	
Completion of Work (Continued)					completed to ensure no hazards exist prior to handover				

RISK MATRIX					
LIKELIHOOD	**CONSEQUENCES**				
	INSIGNIFICANT (1)	**MINOR (2)**	**MODERATE (3)**	**MAJOR (4)**	**CATASTROPHIC (5)**
RARE (1)	Low (1)	Low (2)	Low (3)	Moderate (4)	Moderate (4)
UNLIKELY (2)	Low (2)	Moderate (4)	Moderate (6)	Moderate (8)	High (10)
POSSIBLE (3)	Low (3)	Moderate (6)	Moderate (9)	High (12)	High (15)
LIKELY (4)	Moderate (4)	Moderate (8)	High (12)	Catastrophic (16)	Catastrophic (20)
ALMOST CERTAIN (5)	Moderate (5)	High (10)	High (15)	Catastrophic (20)	Catastrophic (25)

If the residual risk is	Catastrophic (16+)	Then	Work is unable to proceed. Seek other methods (Significant)
	High (10 – 15)	Then	Permission from **High Level Management** for work to proceed (Significant)
	Moderate (4 – 9)	Then	Permission from **Worker in Charge** for work to proceed (Insignificant)
	Low (1 – 3)	Then	Work able to proceed (Insignificant)

1. **Eliminate** →	2. **Substitute** →	3. **Isolate** →	4. **Redesign** →	5. **Administrative** →	6. **PPE (Last Resort)**
Eliminate the hazard	Substitute with a less hazardous material, process or equipment	Isolate the hazard	Redesign equipment or work process	Introduce administrative controls	Use appropriate PPE

C = Consequence

5 = **Catastrophic** = Fatality, permanent disability, long term widespread impacts, huge financial loss

4 = **Major** = Permanent disability or extensive injuries, medium to long term widespread impact, major financial loss

3 = **Moderate** = Lost time injury, reversible medium term local impact, high financial loss

2 = **Minor** = Medical treatment, reversible short – medium term impact to local area, medium financial loss

1 = **Insignificant** = First aid, limited impact to minimal area, low financial loss

L = Likelihood

5 = **Almost Certain** = It is almost certain that the risk will occur in most circumstances

4 = **Likely** = The risk is likely to occur in most circumstances

3 = **Possible** = There is uncertainty that the risk could occur

2 = **Unlikely** = The risk could occur at some time but there is confidence that it will not

1 = **Rare** = The impact/risk may occur only in exceptional circumstances

I HAVE BEEN CONSULTED AND I ASSISTED IN DEVELOPPING THE WORK METHOS STATEMENTS THAT APPLY TO MY WORK ACTIVITIES. I WILL COMPLY WITH ITS SAFE WORK PRACTICE.			
PRINT NAMES	**POSITION/TRADE**	**SIGNATURE**	**DATE**
JOE GEDOUN	DIRECTOR/SITE MANAGER		16 October 2017
MATTHEW CARROLL	SITE SUPERVISOR		16 October 2017
CRAIG PENSINI	SITE SUPERVISOR		16 October 2017
BOYD TURNER	SITE SUPERVISOR		16 October 2017

MONITORING AND REVIEWING OF WMS USE AND EFFECTIVENESS		
NAME	**SIGNATURE**	**DATE**
STACY JACOBSEN		16 October 2017