













<b>Precision Installations</b> <b>ABN 17155740551</b> <b>Suite 41 / 124 - 130 Auburn Street, Wollongong, NSW, 2500</b>		<b>Revision #1</b>	<b>Job Date:</b> 26th August 2022
		<b>Created:</b> 26th August 2022	<b>Last Update:</b> 26th August 2022
<b>Authorised Representative:</b>	Glen Fitzgerald - <a href="tel:0420995605">Ph:0420995605</a>	This SWMS has been developed by: <b>Glen Fitzgerald</b> With consultation from onsite personnel and the responsible person for SWMS implementation, monitoring and review: <b>Glen Fitzgerald</b>	
<b>WHS Representative:</b>	Glen Fitzgerald - <a href="tel:0420995605">Ph:0420995605</a>		
<b>Work Activity / Task:</b> Rainwater Tank Installation			
<b>Location:</b> 50-52 Phillip Street, Sydney			
<b>Description:</b> Installation of in-ground rainwater tank			
<b>Review of Control Measures</b>	The control measures for high risk work will be implemented by the workers undertaking the work who have had the opportunity to have input into the control measures and have been trained in the SWMS. The supervisor of the workers will periodically check that the control measures are being followed and determine if a review of the controls is required. A review may also be initiated at the request of an elected Health and Safety Representative. The implementation of the control measures may also be monitored by the completion of the Site Safety Checklist. Any non compliance at this stage will also initiate a review of the controls.		
<b>Relevant WHS Act:</b>		<a href="#">Work Health and Safety Act 2011</a>	
<b>Relevant WHS Regulations:</b>		<a href="#">Work Health and Safety Regulation 2017</a>	

## Task / Job Requirements:

PPE Requirements	
 <input checked="" type="checkbox"/>	 <input checked="" type="checkbox"/>
 <input checked="" type="checkbox"/>	 <input checked="" type="checkbox"/>
 <input checked="" type="checkbox"/>	 <input checked="" type="checkbox"/>
 <input checked="" type="checkbox"/>	 <input checked="" type="checkbox"/>
 <input checked="" type="checkbox"/>	 <input checked="" type="checkbox"/>
 <input checked="" type="checkbox"/>	 <input checked="" type="checkbox"/>
Permit To Work Requirements	
This job does not require any permits be obtained before commencing work.	
Equipment Requirements	
Equipment used on this Job / Task has been verified to be in good working order and is authorised for use on the job site at <b>50-52 Phillip Street, Sydney</b> . Compliance documentation and pre start checks can be obtained through the responsible person <b>Glen Fitzgerald</b> .	
Training Requirements	
<b>Personnel Responsibilities</b>	All workers must read and adhere to all safety procedures and Codes of Conduct in place for this site. All staff are to be pro-active regarding safety and report any near misses or safety risks to a <b>Precision Installations</b> Supervisor. In addition workers must read and understand the site safety rules as well as the requirements and processes outlined in this Safe Work Method Statement.

## High Risk Works Check List:

Risk of a person falling more than 2 metres	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>
Likely to involve disturbing asbestos	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>
Working on or near shaft or trench deeper than 1.5m or a tunnel	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>
Work on or near chemical, fuel or refrigerant lines	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>
Tilt-up or precast concrete elements	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>
Work in areas with artificial extremes of temperature	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>
Work on telecommunications tower	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>
Temporary load bearing support for structural alteration or repairs	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>
Use of explosives	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>
Work on or near energised electrical installations or services	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>
Work on/in/adjacent to roadway, railway, shipping line or other traffic corridor in use by traffic other than pedestrians	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>
Work in or near water or other liquid that involves a risk of drowning	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>
Demolition of load bearing structure	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>
Work on or near a confined space	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>
Work on or near pressurised gas mains or piping	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>
Work in an area that may have contaminated or flammable atmosphere	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>
Diving Work	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>
Work in an area with movement of powered mobile plant	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>

# Job Breakdown:


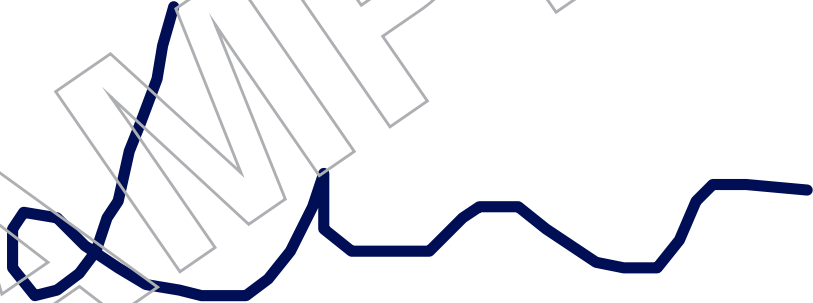
HIERARCHY OF CONTROLS					
Most Effective					Least Effective
Item	Step Description	Potential Hazards	Risk Class	Controls	Residual Risk
1	Excavation with machine	<ul style="list-style-type: none"> <li>- Machinery plant tipping over or falling</li> <li>- Injury to site personnel being hit by plant</li> <li>- Services – Electrocutation or explosion, damage to other services.</li> <li>- Trench collapse</li> <li>- Strike persons working near machine</li> </ul>	18	<ul style="list-style-type: none"> <li>- Only suitably trained personnel to work with plant.</li> <li>- Plant operator to be aware of site personnel</li> <li>- Ensure clear access &amp; egress to work areas</li> <li>- Locate services</li> <li>- Use shovel to locate services where required</li> <li>- Ensure open trenching has been clearly barricaded &amp; defined</li> <li>- Ensure trenches and excavations are battered or benched when they are more than 1.5m deep</li> <li>- Stock pile material at least 2m away from the excavation.</li> <li>- Spotter to maintain a clear distance from machine whilst working and ensure safety of others</li> </ul>	3
2	Placement of tank	<ul style="list-style-type: none"> <li>- Person struck by tank.</li> <li>- Machine tipping.</li> <li>- Load falling</li> <li>- Excavation collapsing</li> </ul>	18	<ul style="list-style-type: none"> <li>- Use spotter/drainer to make sure that no get to close to load or machine</li> <li>- The tank is only to be lifted from the lifting brackets attached to the tank by the manufacture</li> <li>- Never operate the machine close to the excavation where the machine could topple over or collapse the excavation</li> </ul>	3

3	Placement of concrete around tank.	<ul style="list-style-type: none"> <li>- Excavation collapse.</li> <li>- Machine tipping.</li> <li>- Damage to tank.</li> <li>- Person being struck by machine</li> </ul>	18	<ul style="list-style-type: none"> <li>- If pouring concrete straight out of a concrete around base of tank the spotter/drainer is to make sure the truck is a safe distance away from the excavation.</li> <li>- Make sure the ground is level and clean for the machines to operate correctly.</li> <li>- Protect the top of the tank from damage</li> </ul>	3
4	Backfilling Procedures around tank.	<ul style="list-style-type: none"> <li>- Dust – respiratory damage.</li> <li>- Site personnel or machine slipping into backfill area.               <ul style="list-style-type: none"> <li>- Collapsing sides of excavation</li> </ul> </li> <li>- Damage to tank</li> </ul>	18	<ul style="list-style-type: none"> <li>- Appropriate PPE.</li> <li>- Protect the top of the tank by placing plastic over it before backfilling.</li> <li>- When backfilling around tank spotter/drainer to make sure the machine carrying the backfill material does not get to close to the excavation</li> <li>- Ensure site staff are clear of backfill area before filling.               <ul style="list-style-type: none"> <li>- Barricade unfinished areas.</li> </ul> </li> <li>- Once backfilling is complete connection of drainage pipes, plumbing pipes and electrical lines can proceed.</li> </ul>	4

SAMPLE

## SWMS Acknowledgement:

This SWMS has been developed through consultation with our workers and has been read and signed by all workers involved with this activity

Name	Role	Signature	Date
Glen Fitzgerald	Worker		26th August 2022
Luke Nebo	Worker		26th August 2022

## Appendices: Risk Matrix

	Minor	Serious	Severe	Major	Catastrophic
Almost Certain	Class: 10 Moderate	Class: 16 High	Class: 20 Extreme	Class: 23 Extreme	Class: 25 Extreme
Likely	Class: 7 Moderate	Class: 12 Serious	Class: 17 High	Class: 21 Extreme	Class: 24 Extreme
Possible	Class: 5 Moderate	Class: 6 Moderate	Class: 13 Serious	Class: 18 High	Class: 22 Extreme
Unlikely	Class: 2 Low	Class: 4 Low	Class: 9 Moderate	Class: 14 Serious	Class: 19 High
Rare	Class: 1 Low	Class: 3 Low	Class: 8 Moderate	Class: 11 Moderate	Class: 15 Serious

Likelihood			Consequence		
Value	Classification	Description	Value	Classification	Description
1	Rare	Unlikely to occur (less than 5% chance)	1	Minor	First Aid Injury (FAI). Minimal impact on health & safety which can be resolved by daily procedures & pre-start.
2	Unlikely	Could occur (5-25% chance)	2	Serious	Medical Treated Injury (MTI). Treatment required by physician or medical personnel (not a First-aider).
3	Possible	May occur at some time (25-50% chance)	3	Severe	Lost Time Injury (LTI). Injury sustained to employee who is unable to work following day or perform usual duties.
4	Likely	Will probably occur (50-75% chance)	4	Major	Single fatality or hospitalisation. Permanent disability or long term illness/injury.

5	Almost Certain	Very likely to happen (over 75% chance)	5	Catastrophic	Multiple fatalities or permanent debilitating injuries
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## Appendices: Hazard Identification

**Step 1**  
Excavation with machine

