

# X- Discipline

## Site Safety and SWMS



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## ***Be Responsible For Your Own Safety***

- *Look after yourself and be sensible*
- *Don't be afraid to say NO if something looks unsafe*
- *If you are unsure or haven't been inducted, ask to be escorted*
- *Wear appropriate PPE (Personal Protective Equipment)*



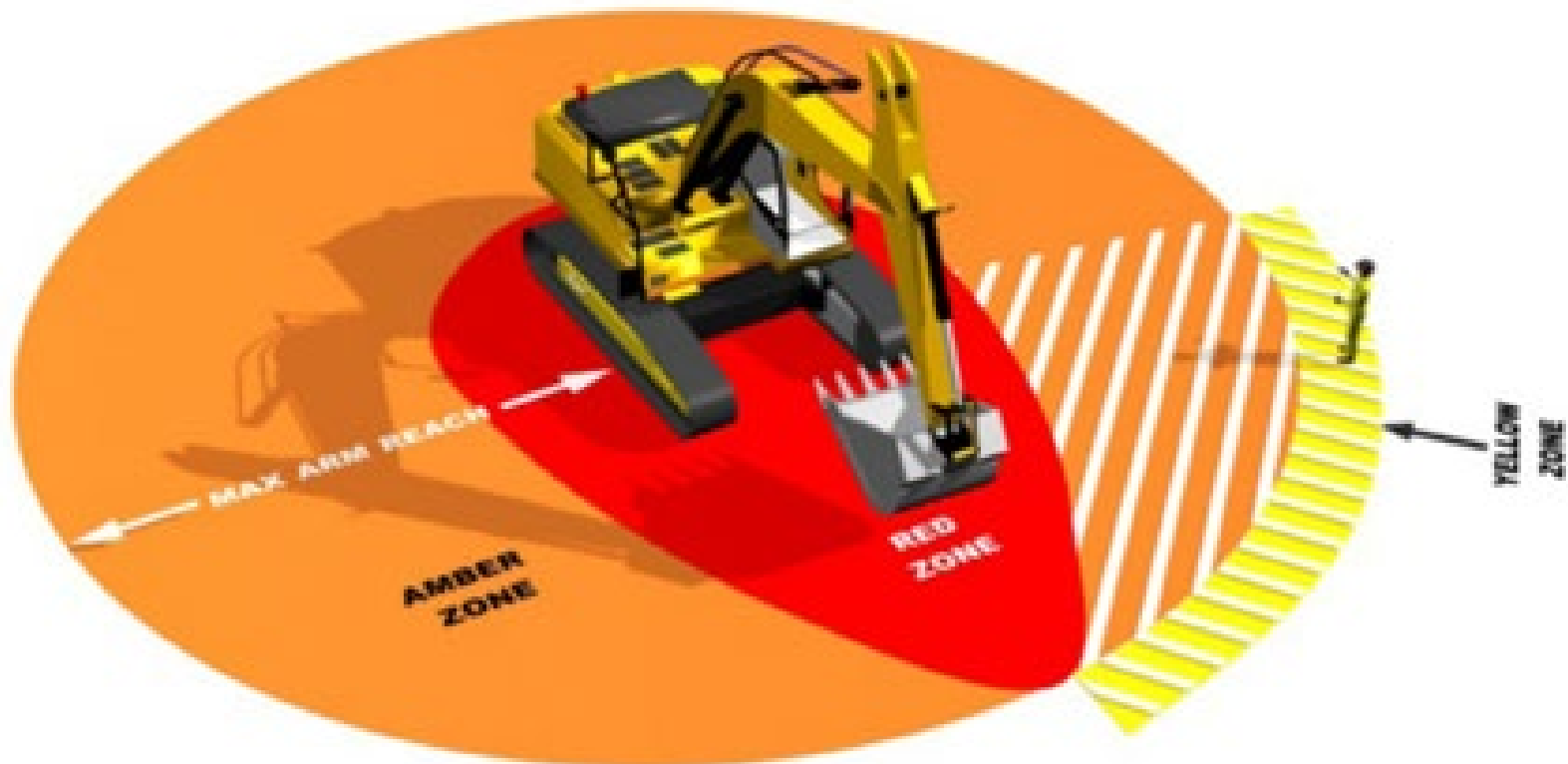


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## ***Evacuator Safety***



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## ***Exposed Reinforcement***



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## ***Walking Around Partially Reinforced Decks***



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## ***Unprotected Voids***



<https://www.safework.nsw.gov.au/compliance-and-prosecutions/incident-information-releases/construction/worker-falls-into-unprotected-pier-hole>

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## ***Unsupported Excavations***



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## **RESI**

*Risks on a resi site are often higher than on a commercial site as safety is done poorly. A lot of resi builders are more relaxed on site therefore the site has more risks.*

### **Some things to think about when on a resi site include:**

*Roof cavity space in hot weather,  
Propping sanity checks prior to inspections of  
suspended slabs,  
Never any fall protection on dropped edges, required  
over 1m,  
Constantly climbing ladders – important to ensure the  
feet are on a solid base,  
Often walking across formwork planks on scaffolding  
to get to different scaffold panels*



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## **HYDRAULIC**

### ***Roof inspections & Access***

*Check Weather Conditions before Inspections (windy, rainy, early morning dew makes it slippery)*

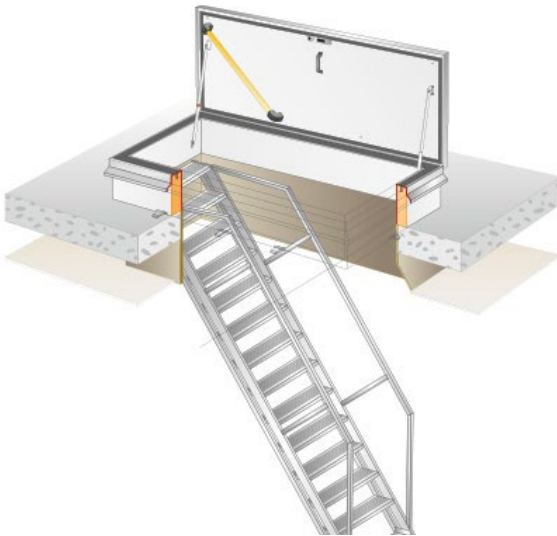
*Roof Access (hatch, ladder points, anchor points)*

*Roof Safety System Certificate*

*Harness Equipment Needed / SWMS*

*Working at Heights Certificate*

*Never go within 2m of an unprotected edge without being trained and connecting to a fall protection system*



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## **CIVIL**

### ***Deep Excavations***

*Contractor to have fenced off trenches*

*Shoring has been undertaken to Geotechnical advice*

*Underpinning of adjacent buildings*

### ***No Entry into Manholes or Below Ground Structures Under Any Circumstances***

*Confined space sign off*

*Gas Metering (especially sewer)*

### ***Any Plant or Equipment in Operation in the Vicinity***

*Site PPE worn*

*Fencing sectioning off areas that don't require easy access*

*Traffic controllers in place*







SWMS No:	High Risk Work Activities:		
Date Prepared: / /	Engineering Site Inspections; Walking Near Formworks Penetration; Walking Near Formworks Penetration. Working on Suspended Decks.		
SWMS Reviewed by	Project Manager:	Person Responsible for implementing this SWMS:	
WHS Rep:	Project Number:	Name:	
Resp. Supervisor:	Project Address:	Position:	
	Principal Contractor:	Signature:	

RISK MATRIX						
Consequences		Likelihood or Probability				
People	Environment	A	B	C	D	E
		Almost Certain (expected)	Likely (will probably occur)	Moderate (might occur - has happened)	Unlikely (could occur - known to happen)	Rare (practically impossible)
1	No Incident or First Aid Injury	High 15	Medium 19	Low 22	Low 24	Low 25
2	Medical Treatment	High 10	High 14	Medium 18	Low 21	Low 23
3	Alternate Work or Lost Time Injury	Extreme 6	High 9	High 13	Medium 17	Medium 20
4	Serious or Permanent Injury	Extreme 3	Extreme 5	Extreme 8	High 12	High 16
5	Fatality	Extreme 1	Extreme 2	Extreme 4	Extreme 7	High 11

Risk Ranking	Risk Score	Risk Description
Low	21 - 25	Tolerable. Monitor, manage and carryout activity in accordance with identified controls.
Medium	17 - 20	Implement strict control measures reduce hazard to ALARP. <u>Activity must not commence without appropriate Supervision. (ALARP) As Low As Reasonably Practical</u>
High	9 - 16	Implement strict control measures reduce hazard to ALARP. <u>Activity must not commence without Workplace Manager or higher approval and appropriate Supervision present.</u> Review process.
Extreme	1 - 8	Intolerable. <u>Activity must not commence.</u> Eliminated hazard or introduce further controls to reduce to ALARP.

Action Type	HIERARCHY OF HAZARD CONTROL	
1	ELIMINATION	Elimination of the hazard is the most effective means of hazard control.
2	SUBSTITUTION	The second most effective way to control hazards is substitution. An example of substitution is replacing lead-based paint with acrylic paint.
3	ENGINEERING	The third most effective means of controlling hazards is engineering controls i.e. physical barrier.
4	ADMINISTRATION	Administrative controls include procedure changes, employee training, and installation of signs.
5	PPE	PPE is the least effective way to control hazards. PPE can include gloves, respirators, hard hats, safety glasses, high-visibility clothing, and safety footwear.

Level Type	WORKING @ HIEGHT HIERACHY OF HAZARD CONTROL
1	Undertake the work on the ground or on a solid construction.
2	Undertake the work using a passive fall protection device.
3	Undertake the work using a work positioning system.
4	Undertake the work using a fall injury prevention system.
5	Undertake the work from ladders or implement administrative controls.

PERSONNEL DETAILS		EQUIPMENT DETAILS	
Occupations Trades / Skills / Work Teams		Static Plant and Equipment	
Qualifications / Licenses / Permits		Mobile Plant and Equipment	
Training required		Safety / Emergency Equipment	
Other Training required What, how many and by when		Personal Protective Equipment & Tools	
Applicable Legislative requirements i.e. Australian Standard, Code of Practice			

TASK	HAZARD / RISK DESCRIPTION	Risk (Without Controls)	CONTROLS REQUIRED	Hierarchy of Hazard Control Action Type	Hierarchy of Height Hazard Control Level Type	PERSON RESPONSIBLE
<b>Example</b> Transport 50kg reo bars to work area	Heavy reo bars may cause back strain or sprain.	H 13	Two person(s) to transport 50 kg reo bars to work area.	1 to 5	1 to 5 (if applicable)	
Travelling to and from client worksite	Vehicle incident and possibly being hit by passing vehicle.		<ul style="list-style-type: none"> <li>Ensure appropriate road rules are followed at all times.</li> <li>Stay on the pedestrian footpaths when walking to and from worksite.</li> <li>Follow Traffic Management Rules while on worksite.</li> </ul>			
Site Inspection on Client construction site	Skin damaged to UV Rays		<ul style="list-style-type: none"> <li>Wear appropriate sun smart PPE's (e.g.: Sunglasses).</li> <li>Wear 50+ Sunscreen and regularly reapply.</li> </ul>			
	Heat Dehydration		<ul style="list-style-type: none"> <li>Drink plenty of fluid (Water).</li> <li>Rest in the shade / First Aid room.</li> </ul>			
	Ground slippery due to wet weather condition		<ul style="list-style-type: none"> <li>Ensure appropriate footwear is worn.</li> <li>Do not run.</li> <li>Wear appropriate PPE's on site.</li> </ul>			

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TASK	HAZARD / RISK DESCRIPTION	Risk (Without Controls)	CONTROLS REQUIRED	Hierarchy of Hazard Control Action Type	Hierarchy of Height Hazard Control Level Type	PERSON RESPONSIBLE
	Wet weather condition (Raining / Lighting)		<ul style="list-style-type: none"> <li>Use umbrella for light rain.</li> <li>Postpone inspection if unsafe.</li> <li>Seek shelter on site if lightning storm occurs.</li> <li>Wear appropriate PPE's on site.</li> </ul> <i>(Do not shelter under trees and handle metal objects)</i>			
	Incident with a Plant & Equipment		<ul style="list-style-type: none"> <li>Stay alert for moving plant and equipment.</li> <li>Follow site traffic management rules.</li> <li>Wear appropriate PPE's on site.</li> <li>Report any Incidents / Near Misses.</li> </ul>			
	Materials falling from tower crane.		<ul style="list-style-type: none"> <li>Stay alert of crane tower movements.</li> <li>Stay clear from crane when lifting materials.</li> <li>Wear appropriate PPE's on site.</li> </ul>			
	Trip and Falls on reinforcement bars		<ul style="list-style-type: none"> <li>Stay alert of your surroundings.</li> <li>Do not walk and read drawings at the same time.</li> <li>Look out for starter bars.</li> <li>Be aware of unformed reo being slippery.</li> <li>Wear appropriate PPE's on site.</li> </ul>			
	Cuts, splinters and abrasion		<ul style="list-style-type: none"> <li>Stay alert of sharp objects / reinforcement.</li> <li>Do not touch structures.</li> <li>Wear appropriate PPE's on site (i.e.: Gloves, etc.)</li> </ul>			
	Fall from and through formworks.		<ul style="list-style-type: none"> <li>Stay alert around formworks.</li> <li>Do not walk and read drawings at the</li> </ul>			

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TASK	HAZARD / RISK DESCRIPTION	Risk (Without Controls)	CONTROLS REQUIRED	Hierarchy of Hazard Control Action Type	Hierarchy of Height Hazard Control Level Type	PERSON RESPONSIBLE
			same time.			
	Falls from edge into excavation		<ul style="list-style-type: none"><li>▪ Maintain safe distance from edges.</li><li>▪ Stay within the barriers and edge protections.</li></ul>			
	Eye damage due to dust and falling objects		<ul style="list-style-type: none"><li>▪ Wear appropriate PPE's as required (i.e.: Safety Glasses).</li><li>▪ Obtain site specific client induction.</li></ul>			
	Post-tension tendons letting go		<ul style="list-style-type: none"><li>▪ Do not walk on or near post-tension slab / beams when stressing is occurring.</li><li>▪ Stay alert of your surroundings.</li><li>▪ Do not walk and read drawings at the same time.</li></ul>			
	Neck strain induced by assessment of high- or low-level structure		<ul style="list-style-type: none"><li>▪ Take regular breaks.</li><li>▪ Report all near misses / incidents to client and Sellicks Head Office.</li></ul>			
	Electrocution		<ul style="list-style-type: none"><li>▪ Conduct visual assessment prior to starting inspection.</li><li>▪ Avoid working under live cables.</li><li>▪ Take extra care and cease work, if raining.</li><li>▪ Report all near misses / incidents to client and Sellicks Head Office.</li></ul>			
	Power cables hung from standards causing potential incident		<ul style="list-style-type: none"><li>▪ Stay alert around formworks.</li><li>▪ Do not walk and read drawings at the same time.</li><li>▪ Report all near misses / incidents to client and Sellicks Head Office.</li></ul>			
	Abusive people		<ul style="list-style-type: none"><li>▪ Be polite to all personal, move away if any signs of aggressiveness behaviour occurs.</li></ul>			

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TASK	HAZARD / RISK DESCRIPTION	Risk (Without Controls)	CONTROLS REQUIRED	Hierarchy of Hazard Control Action Type	Hierarchy of Height Hazard Control Level Type	PERSON RESPONSIBLE
			<ul style="list-style-type: none"><li>Report any aggressive behaviour to client supervisor and report it back to Sellicks Head Office (manager / Supervisor).</li></ul>			

- In signing this form, you are acknowledging that you have been inducted / trained in the Safe Work Method Statement (SWMS) and understand the content and had the opportunity to ask questions. You also agree to work in accordance within the control boundary / measures within this SWMS.*
- Important note: Always wear appropriate PPE's on site (e.g.: Hard Hat, Gloves, High Vis Vest, Safety Boots, Safety Glasses.)*
- Report all Near Misses, Incidents or Injuries to site supervisor / HSR and Sellicks management / manager.*

Staff Name	Position	Signature

# ***Questions?***

# ***Stay Safe***

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