

Designer's Risk Assessment - Construction

Project Title: Wellington Toilets Prepared by (Structural Engineer) & Date: (AS) 24/10/2025 <input type="checkbox"/> Architect / Lead Designer <input type="checkbox"/> Mechanical Engineer <input type="checkbox"/> Electrical Engineer <input checked="" type="checkbox"/> Structural Engineer <input type="checkbox"/> Civil Engineer <input type="checkbox"/> Landscape Designer	Project No.: 24149 Reviewed by & Date:	
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Ref	Risk Identification (Hazard)	Who is at risk?	Implication	Risk Assessment Prior to control measure		Risk Rating (SxL)	Control Method	Risk Assessment After control measure		Risk Rating (SxL)
				Severity	Likelihood			Severity	Likelihood	
1	Struck by moving plant	Site Operatives, visitors	Fractures, crushing, fatal injury	4	3	12	Segregated pedestrian routes;banksman for movements; reversing alarms; plant competence & pre-start checks; exclusion zones; high-vis	4	1	4
2	Strike to underground services	Excavation crews, site staff	Electrocution, gas release/explosion, flooding, serious injury/fatality	5	3	15	Up to date service records; CAT & Genny scans; permit-to-dig; hand-digging/vacuum near services; utility provider liaison	5	1	5
3	Manual Handling	Site Operatives	Musculoskeletal injury, strains	2	4	8	Mechanical lifting aides, team lifts, training, risk assessments, store materials close to use	2	2	4
4	Formwork failure during pour	Site Operatives public	collapse, large rework cost	3	2	6	Design/inspection of temporary works; controlled pour rates; competent supervisor.	3	1	3
5	Reinforcement impalement/cuts/puncture	Steel fixers, site operatives	Lacerations, puncture injuries, infection	3	3	9	Rebar caps, tidy storage, PPE (gloves, boots), first aid provision	2	1	2
6	Cement/wet concrete chemical burns	Operatives placing/finishing concrete	Chemical burns to skin/eyes, scarring	3	3	9	PPE - gloves, goggles, boots; emergency wash facilities; training on handling;avoid prolonged skin contact; COSHH info	2	1	2
7	Fire (fuel, electrical equipment, hot work)	Site operatives, nearby properties	Burns, smoke inhalation, property damage	4	2	8	Hot works permits, safe storage of fuels, fire extinguishers, no-smoking policy, electrical PAT testing, emergency plan	4	1	4