

Designer's Risk Minimisation Assessment

Designer's Assessment of Safety during Construction and Maintenance taking account of the Principles of Prevention
(read in conjunction with the ACEI/IEI/RIAI Guidance Notes)



Project Title: Sligo University Hospital Transformer Upgrade

Date: 26/05/2026

Our Ref: 125444|R0

Project Engineer: Cathal O'Connell BEng MSc MIEI

Risk No.	Risk Description	Re-design will Eliminate Risk(s)		Description of re-design or list of measures to be put in place to minimise the risk
		YES	NO	
1	Existing slab demolition may damage adjacent structural elements, foundations, walls, plinths or retained services.		✓	Specify controlled saw-cutting and local breakout rather than uncontrolled breaking.
2	Excavation for the new slab may undermine adjacent foundations, walls, trenches, plinths or existing slab edges.		✓	Existing foundations must not be undermined. Temporary works design where excavation could affect stability. Sequence excavation to minimise open unsupported faces.
3	Open excavations create risk of collapse or falls during construction.		✓	Minimise excavation depth and duration where practicable. Open edges to be protected or covered with load-rated covers when unattended.
4	Heavy transformer / board could overload and damage open grating during installation.	✓		Use steel plates to spread load of heavy plant when installing same to avoid overloading and damage to open decking.
5	Risk of electrocution working close to existing live plant.		✓	Contractor to scan ground to get accurate location for live power cables prior to commencing work. Where possible contractor to temporarily disconnect power supply to affected cables/ plant in the work area prior to excavating ground. Safety partition to be installed to separate operatives from live plant.
6	Forming service penetrations in existing masonry walls.		✓	Contractor to needle and prop masonry to allow lintels to be installed safely.