

Designer Risk Assessment

In accordance to Construction Design and Management (CDM2015) Regulations 9(2)(3)(4)

Hydroground Civils

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Revision	Dates	Notes
A	21/12/2025	

RISK ASSESSMENT

Definitions

Hazard: Anything that can cause harm

Risk: Chance that the hazard will cause harm AND how serious this harm will be

Risk Scores

High = Unacceptable, mitigation measures MUST be recommended

Medium = Acceptable, mitigation measures MAY be recommended

Low = Acceptable, mitigation measurements NOT required

Very Likely
Likely
Not Likely

Minor Harm Significant Harm Severe Harm

Risk Score

	High
	Medium
	Low

Severe Harm = No longer able to resume normal body functions; will require immediate medical intervention; Death

Significant Harm = Harm/injury that requires recovery time, will require first aid and may require medical intervention

Minor Harm = Able to resume normal body functions immediately, may require basic first aid

HAZARD IDENTIFICATION

			Forseeable Risk to the Health and/or Safety of			
Design Element	Hazard associated with design element	Why is this a hazard	Person(s) carrying out the work associated with this hazard	Person(s) liable to be affected by construction work associated with this hazard	Person(s) maintaining or cleaning the structure	Person(s) using a structure designed as a workplace
1 Surface water soakaway (geocellular tank)	Excavation for soakaway	Excavation required to install soakaway presents risk of ground collapse, falls into excavation, and contact with groundwater	Groundworkers, drainage contractors	Site operatives, visiting supervisors	Maintenance operatives inspecting silt trap / soakaway	Not applicable (domestic drainage)
2 Foul drainage runs and chambers	Open excavations and chamber installation	Excavations and chambers create fall risk and confined space risk during construction and maintenance	Drainage contractors	Groundworkers, supervisors	Drainage maintenance operatives	Not applicable
3 Connection to existing public foul sewer	Work adjacent to live sewer	Risk of exposure to sewage, contamination, collapse of existing sewer, and confined space hazards	Approved drainage contractor	Contractors, sewer undertaker staff	Sewer undertaker operatives	Not applicable
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RISK ASSOCIATED WITH HAZARD

Hazard	Likelihood	Potential Impact	Risk Score	Why can risk not be eliminated by design as per Reg. 9(2)?	How is the risk reduced or controlled? Reg 9(3)(a)	Has this risk been communicated to the principal designer? Reg 9(3)(b)
1 Excavation for soakaway	Likely	Significant Harm	Medium	Excavation is inherent to installation of infiltration system	Contractor to implement safe practices of work, such as shoring the excavation or trench support	Via this Risk Register
2 Open excavations and chamber installation	Not Likely	Severe Harm	Medium	Chambers are required for access and maintenance	Limit number of chambers, use standard shallow chambers, covers specified flush with finished levels	Via this Risk Register
3 Work adjacent to live sewer	Likely	Significant Harm	Medium	Connection to existing sewer required to serve proposed development	Connection subject to S106 agreement, works by approved contractor, live sewer clearly identified on drawings	Via this Risk Register
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