

RISK ASSESSMENT – EXCAVATIONS

**Project: 50 Avenue Road
Job Ref: TBC**



Hazard/Activity	Potential Harm/Damage	Severity	Likelihood	Risk Factor	Comments	Control Measures Required During Site Work
Excavations	Collapse of excavation	10	2	20	Also refer to Structural Engineers 'Health & Safety Risk Assessment Action Plan' and 'Site Survey Report' Obtain existing records / drawings to indicate known services Contact local authorities to establish service routes & depths	CIRIA, R97, Trenching practice, 2nd edn, 1992 CIRIA, TN95, Proprietary trench support systems, 3rd edn, 1986 HSE, HSG185, Health and safety in excavations - be safe and shore, 1999. Chapter 16 Falling HSC, HSG33, Health and safety in roof work, 1998 HSE, INDG284, Working on roofs, 1999. HSE, Deadly maintenance. Roofs - a study of fatal accidents at work, 1985. Chapter 17 Fire Building Employers Confederation, Fire prevention on Construction Sites, 4th edn, 1997 HSE, CIS51, Construction fire safety, 1997. HSE, HSE8REV, Take care with oxygen. Fire and explosion hazards in the use and misuse of oxygen, 2nd edn, 1999 HSE, HSG140, The safe use and handling of flammable liquids, 1996 HSE, HSG168, Fire safety in construction work, 1997 HSE, INDG227, Safe working with flammable substances, 1996
	Collapse of nearby structures	8	1	8		
	Risk of falling into excavation	4	1	4		
	Risk of intoxication from gases	8	1	8		

Note: This system provided an INDICATION of risk only, and is based on subjective judgement. Therefore users of this form must satisfy themselves that the risk assessment and the actions with the hazards they have identified are adequate.

Severity

- 10. Multiple deaths
- 8. Single death
- 6. Major injuries, disabling disease, write off
- 4. Injury, non-disabling disease, serious damage
- 2. Minor injury, minor damage
- 1. Delay; prosecution

Likelihood

- 10. Certain
- 8. Very likely
- 5. Likely
- 2. Unlikely
- 1. Very unlikely

Risk Assessment Factor on a scale of 1 to 100

- 50-100 High risk, special provisions equipment, training, high level of supervision
- 20-50 Significant risk which will require appropriate levels of resources
- 1-20 Low risk, but try to reduce further