

CONSTRUCTION RISK ASSESSMENTS

Project Title:		Risk Assess. No.:	09							
Task/Activity:		Project No.:								
		Date Prepared:								
HAZARDS		Likelihood			Severity			Risk Score		
Ref.	Key hazards associated with the above task/activity.	Probable	Occasional	Remote	Catastrophic	Critical	Serious	Marginal	Negligible	Likelihood x Severity
	Score:	3	2	1	5	4	3	2	1	
1	Contaminated ground		X			X				8
2	Underground/buried services	X				X				12
3	Confined spaces	X			X					15
4	Collapse of the excavation		X			X				8
5	Undermining of adjacent structures			X		X				4
6	Water ingress/flooding		X				X			6
7	Noise/vibration	X				X				12
8	Toxic/flammable gases	X				X				10
9	Oxygen deficiency		X			X				8
10	Persons/Plant/Materials falling into the excavation		X		X					10
Risk Assessment Scores:		10+ High Risk			5-9 Medium Risk			1-4 Low Risk		

PERSONS AFFECTED					
Operatives	X	Members of Public	X	Site Visitors	X
Other Workers	X	Managers	X	Young Persons	X
Others					

PPE REQUIREMENTS					
Harness & Lanyard		Hi-Viz Clothing	X	Respiratory Protection	X
Hearing Protection	X	Eye Protection	X	Head Protection	X
Gloves	X	Boots	X		

ADDITIONAL CONTROL MEASURES	
Information/Instruction/Training	Managerial Controls
<ul style="list-style-type: none"> ➤ Staff should be trained in the use of cable location tools ➤ Staff should be informed of the dangers of some signs of asbestos. ➤ Staff to be trained in safe excavation procedures ➤ All Plant operators should be CPCS (or equivalent) qualified 	<ul style="list-style-type: none"> ➤ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work

ADDITIONAL CONTROL MEASURES	
Information/Instruction/Training	Managerial Controls
<ul style="list-style-type: none"> ➤ At least one person on site shall have received training in electric shock treatment 	
Physical Controls	Procedural Controls
<ul style="list-style-type: none"> ➤ Ensure sufficient and appropriate equipment is available to support excavations and prevent collapse ➤ Use a cable detection tool and obtain copies of the service plans from the statutory authorities prior to proceeding with the excavations ➤ Carefully hand dig around buried services ➤ Do not stockpile excavated or other materials adjacent to the excavation ➤ Ensure water bowser has the facility to spray a fine mist over the excavated area. ➤ Provide a handrail/barrier around the edge of all excavations to prevent persons falling into the excavation ➤ Where there is a risk of flooding from sewers, groundwater or surface runoff, a suitably sized pump should be provided to dewater the excavation ➤ Provide stop logs at the edge of the excavation to stop plant and machinery falling into the excavation or overloading the edges 	<ul style="list-style-type: none"> ➤ Excavation to be inspected each shift before the commencement of work – record of inspections to be maintained ➤ Implement a permit to work system for all excavations ➤ Where there is a considered risk of potential ventilation problems, a gas monitor should be utilized before entry and during the works
HSE & Other Guidance	Comments
<ul style="list-style-type: none"> ➤ HSG 47 Avoiding Danger from Underground Services ➤ Construction Information Sheet No. 8 Safety in Excavations ➤ HSG185 Health and Safety in Excavations: Be Safe and Shore. 	<ul style="list-style-type: none"> ➤

<p style="color: red; font-weight: bold; font-size: 1.2em;">Residual Risk Rating</p> <p>Considering the above control measures</p>
<p style="font-size: 2em; font-weight: bold; color: black;">MEDIUM</p>

Assessment Prepared by:

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Date: 01.08.2018

This risk assessment should be read in conjunction with all relevant method statements, safe systems of work and associated risk assessments as detailed on the Risk Assessment Briefing Record