

CONSTRUCTION RISK ASSESSMENTS

Project Title:		Risk Assess. No.:	26								
Task/Activity:	Underground/Buried Services	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	General excavation hazards	X				X				12	
2	Damaged pipes (gas, sewage, water, oil, chemicals etc)		X			X				8	
3	Toxic/Flammable atmospheres		X			X				8	
4	Electrocution		X		X					10	
5											
6											
7											
8											
9											
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	
Other Workers	X	Managers		Young Persons	
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"> ➤ Inform site manager and operatives of the location, type and position of underground services. ➤ All operatives should be trained in the requirements of HSG 47 Avoiding Danger From Underground Services. ➤ Plant operators should be trained to CPCS level. ➤ All operatives to be trained in emergency. ➤ Procedures to be followed in the event of a service strike. 	<ul style="list-style-type: none"> ➤ Ensure adequate supervision is provided and that control measures remain valid for the duration of the work. ➤ All services should be assumed live until proved otherwise.

ADDITIONAL CONTROL MEASURES

Information/Instruction/Training	Managerial Controls
➤	

Physical Controls	Procedural Controls
<ul style="list-style-type: none"> ➤ Confirm the location of services with a cable detection tool ➤ Hand dig around services to avoid damage 	<ul style="list-style-type: none"> ➤ Obtain copies of services drawings and mark them out on the surface prior to starting work ➤ Implement a permit to dig system ➤ A detailed method statement outlining the work should also be provided.

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"> ➤

Residual Risk Rating

Considering the above control measures

LOW

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