



**Risk Assessment – Working near Existing Underground Services.**

<b>Company:</b>	SES Engineering (Newark) Ltd	<b>Date:</b>	16.05.2022	<b>Review Date:</b>	16.05.2023	<b>Ref:</b>	SES/0061
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<b>Operation:</b>	Working near Existing Underground Services.			<b>Persons at risk:</b>	Employees, 3 <sup>rd</sup> parties		
<b>HAZARD</b>	<b>Assessment</b>			<b>CONTROL MEASURES TO REDUCE THE RISK</b>	<b>Re-assessment</b>		
	<b>S</b>	<b>L</b>	<b>R</b>		<b>S</b>	<b>L</b>	<b>R</b>
Striking of underground services – flooding, electrocution, fire.	4	5	20	Obtain details of all underground services from clients/site owners prior to commencing works. Always use cable avoidance tools to confirm the location of, and trace any services, marking the ground and relevant drawings accordingly. Look for obvious signs of underground services such as manhole covers, valve covers or patching of the road/path surface. Trial holes to be hand dug to confirm location. Lines of services to be marked. Earthwork support to consider the position of nearby services. All services to be assumed live. If services are struck stop all works immediately and contact relevant utilities company/local authority. When backfilling excavations, extreme care to be taken to ensure voids beneath the services are not created and the service has not shifted due to backfilling.	4	1	4
Explosion.	4	5	20	Ensure that all confined spaces are vented, and no naked flames are near when identifying existing services. No smoking. Ensure all equipment is intrinsically safe.	4	1	4

<b>Likelihood →</b>	<b>Likely</b>	<b>Probable</b>	<b>Possible</b>	<b>Unlikely</b>	<b>Very unlikely</b>
<b>↓ Severity</b>	(5)	(4)	(3)	(2)	(1)
Death (4)	20	16	12	8	4
Major Injury (3)	15	12	9	6	3
Minor Injury (2)	10	8	6	4	2
No Injury (1)	5	4	3	2	1

**KEY:** S = Severity

L= Likelihood

R= Risk rating

12-20 High risk
8-10 Medium risk
1-6 Low risk

**PPE Required:**

Hard hat	Y
High vis clothing & boots	Y
Eye/ ear protection	Y
Suitable gloves	Y
Respiratory equipment	As necessary
Safety harness	As necessary

Risk assessment to be reviewed every 12 months or following an accident / incident.