



ATM-RISK ASSESSMENT

TASK:	Underground Services	RA No:	ATMRA2020/050				
EQUIPMENT / MATERIALS USED	Mechanical Plant, Insulated Hand Tools						
PERSONS AT RISK:	OPERATOR, PERSONS IN THE VICINITY, OTHER EMPLOYEES, CONTRACTORS, VISITORS, MEMBERS OF THE PUBLIC (All operatives or teams of operatives are to ensure that the daily on-site risk assessment is completed prior to commencing any work on site.)						
HAZARD / RISK	RISK LEVEL			CONTROL MEASURES	RESIDUAL RISK		
	S	L	RL		S	L	RL
Striking service leading to Explosion, electrocution, fire etc.	5	3	15	<p>All excavation works completed by ATM Ltd shall be completed in accordance with HSE Guidance HSG47.</p> <p>Before work commences the supervisor is to obtain from the Principal Contractor a permit to excavate if applicable to the site.</p> <p>Once the permit to work is in place, a visual survey of the area is to be carried out by the supervisor and any indication of the proximity of buried services is to be noted i.e. previous excavations, marker posts, manholes etc.</p> <p>All service drawings should be obtained from either the Principal Contractor or the Utility Companies checked and known services marked out on the ground using spray paint or pegs.</p> <p>A survey of the area must then be carried out by a trained and competent operator, using a suitable cable detector to determine if any other services exist.</p> <p>All cable avoidance devices used by ATM Ltd and its subcontractors shall be serviced, maintained and, calibrated in accordance with the manufacturer's guidance and PUWER regulations, to ensure it is fit for purpose.</p> <p>If services are found, they are to be marked out and the Principal Contractor asked for further information.</p> <p>If services are indicated on drawings and cannot be located using a cable locating tool, trial holes are to be excavated by hand to identify their location.</p> <p>Once the location of all services in the area is known, operatives are to be briefed on the position and the limitations for the excavation work.</p> <p>The operation to excavate the postholes can begin.</p> <p>Should the location of any excavation be within "1 metre of a live service" then the architect is to be consulted to agree on a re-location of the excavation where possible.</p> <p>When using a breaker to remove hard surfaces the scan with the cable locating tool is to be repeated once the hard surface is removed.</p>	5	2	10

ATMRA2020/050	Original Author: Rob Whamond	Date: 01-06-2021	
	Reviewed By : Dale Nelson	Next Review Date: 01-06-2022	
Use the table below to calculate the severity and likelihood. (Severity X Likelihood = RISK)		Use the table below to indicate whether the Residual Risk Rating is:	
Severity of Outcome; 5 Fatality / Loss of Limb. 4 Serious Injury. 3 Moderate. 2 Minor Injuries. 1 Negligible.		1 – 6 = Low Risk	
Likelihood of Harm; 5 Almost Certain , 4 Very Likely , 3 Fair Chance , 2 Remote, 1 Very Unlikely.		7 – 11 = Medium Risk	
		12+ = High Risk	
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HAZARD / RISK	RISK LEVEL			CONTROL MEASURES	RESIDUAL RISK		
	S	L	RL		S	L	RL
Striking service leading to Explosion, electrocution, fire etc.	5	3	15	<p>HAND DIG</p> <p>Spades shovels and hand tools with, wooden or insulated handles only, should be used to hand dig, forks or picks shall not be used. Tools are not to be speared into the ground. Power tools, where possible, should only be used to remove hard surfaces. Flame-retardant clothing shall be worn by operatives. If services are found which have not previously been identified, the Principal Contractor or the utility company is to be notified and clarification as to its identity sought.</p> <p>MACHINE DIG</p> <p>The machine is to be supervised by a competent banksman at all times when the ground is being broken.</p> <p>If the banksman sees any indication in the ground that a service may be present i.e. sand, gravel, warning tape, tiles etc. he is to instruct the machine operator to cease work and the operation will revert to hand dig as above.</p>	5	2	10
Disruption of services to general public	5	3	15	<p>Telephone numbers (including out of hours numbers) are to be held on site.</p> <p>If any service is struck the service provider is to be notified immediately. All work in the area must cease at once and, particularly if there is the possibility of a gas leak, all machines and electrical equipment are to be switched off. The area should be cordoned off and work must not recommence until the service provider gives permission.</p> <p>The disruption of services may not be apparent on site. They may however, cause other safety or commercial risks elsewhere, hence the need for rapid reporting.</p>	5	2	10

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