

USSL Risk Assessment

Risk Assessment No		3		Activity		Shoring of Excavations		Locations		Site Works	
Assessment Undertaken by		M. Watson		Assessment Date		Jun-17		Review Date		1/6/18	
Risk Ratings											
Persons at risk (PAR)			Severity / Harm Rating (S)				Likelihood (L)				
E	Employees / Contractors	1	Negligible injury or no injury				1	Extremely unlikely to occur at any time			
P	Members of Public	2	Minor injury requiring First Aid				2	A rare combination of factors would be required for an incident to occur			
V	Visitors	3	Lost time injury				3	Could happen, but considered unlikely under normal circumstances			
C	Clients	4	Single serious injury or single death				4	Not certain, but an additional factor may result in an incident			
		5	Multiple deaths and or serious injuries				5	Almost inevitable that an incident will result - Highly likely to occur			
Tolerance rating											
15 - 25		DANGER - Task/activity should not proceed. Further control measures are to be put in place to reduce risk. When in place the level of risk should be re-assessed for adequacy before the work recommences.									
7 - 14		SIGNIFICANT RISK is attached to this task/activity. Look critically at ways of reducing the level of risk to a more tolerable level by improving existing control measures or by introducing new controls.									
1 - 6		TOLERABLE RISK - Consider if risk is "as low as reasonably practicable", if not try to reduce risk further by improving control measures. Keep under review and continue with task/activity, but with caution									
NB. Full PPE will be utilised as a matter of course during any works undertaken											
Initial Assessment No controls						Risk Mitigation Measures					
Item No	Hazard Identification	PAR	S	L	Score	Control Measures	S	L	Revised Score	Risk Acceptable	
1	Pedestrians & vehicles	E,P,V,C	3	4	12	Operatives to wear high-viz clothing and hard hats Signing & guarding to comply with Chapter 8 Where an excavation is 2 metres deep or more, substantial guard rails must be provided to prevent falls into the excavation, e.g. Heras fencing. Where there is a risk of children gaining access to a deep excavation ensure that the excavation is either backfilled, guarded with Heras fencing or securely covered.	3	1	3	Yes	
2	Flooding	E,P,V,C	3	5	15	Pump / bale out ground water and maintain dry trench. If the ground is permanently saturated and will not stay dry, contact your supervisor.	3	1	3	Yes	
3	Collapse of trench	E	4	4	16	Ensure that shoring is in place before entry into trench and that spoil and equipment is stored away from the edge of the trench. If there is insufficient material on site to adequately support the excavation, stop work and advise your supervisor. DO NOT work in an unsupported excavation. Ensure that the supports are fixed securely in order to prevent displacement.	4	1	4	Yes	
4	Excavated spoil	E	3	4	12	Ensure that all excavated spoil is stored at a safe distance from excavation, e.g. if the excavation is 1 metre deep, the leading edge of the spoil must be 1 metre away from the top of the excavation, if the excavation is 2 metres deep, then the leading edge of the spoil must be 2 metres away from the top of the excavation etc. Ensure Excavations are inspected on a daily basis any movement in the excavation must be documented on the excavation inspection from	3	2	6	Yes	
5	Materials, plant or equipment falling into the excavation.	E	4	4	16	Do not store materials close to the excavation Do not park or operate vehicles or plant close to the sides of the excavation. Position stop blocks where vehicles or plant must operate close to the excavation Ensure poling boards are protruding over the top of the excavation in order to prevent objects falling into the excavation	4	1	4	Yes	
6	Fumes	E	5	4	20	Do note site petrol or diesel-engine equipment such as generators or compressors in, or near the edge of an excavation unless fumes can be ducted away or the area can be ventilated. Prior to working in excavation do tests for toxic gases or oxygen depletion. This test should then run continually whilst working in the excavation.	5	1	5	Yes	
7	Deep Excavations	E,P,V,C	4	4	16	Excavations deemed deep will require Deep Excavation & Confined Space control measures (See Separate Risk Assessment for Entry into Confined Space)	4	1	4	Yes	