

USSL Risk Assessment

Risk Assessment No		42		Activity		Demolition of Joint Boxes		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	4	4	16	Operatives to wear high-viz clothing and other relevant PPE (hard hats/gloves/safety footwear/ear defenders/goggles etc. Signing and guarding to comply with Chapter 8/NRASWA Acop. Read and implement the control measures detailed in the Method Statement & Risk Assessment 06 'Signing and Guarding'.	4	1	4	Yes		
2	Striking underground services or services encased in the wall of the box	E	4	4	16	Read and implement the controls detailed in the Method Statement and Risk Assessment 01 'Avoiding Danger from Underground Services'. Excavate a slit trench around the entire box to a depth exceeding the floor of the box in order to establish whether there are any services encased in the wall of the box.	4	2	8	Yes		
3	Excavation collapse	E	5	4	20	Ensure that where excavations reach 1.2 metres in depth, that suitable and sufficient shoring is available and used. However, where ground conditions are poor at a depth less than 1.2 metres shoring must be available and used. Ensure safe access and egress is maintained via ladders that are footed and secured at the top. Prior to the commencement of any work a risk assessment must be carried out in relation to each excavation. All excavations may need to be shored to ensure ground stability in compliance with the Method Statement & Risk Assessment 03 'Shoring of Deep Excavations'. Ensure that a continuous atmospheric monitoring takes place and the results recorded. Inspection of the excavation must take place, in accordance with the inspection schedule. All excavated areas must be protected with a suitable barrier. Safe digging practices must be observed. Works to be Supervised at all times. Spoil from the excavation must be stored away from the edge of the excavated area.	5	1	4	Yes		
4	Defective location equipment	E	5	4	20	Only use location equipment that is calibrated and in good working order. Stop work if location equipment is considered faulty.	5	2	10	Yes		
5	Explosive/toxic gases – oxygen deficient/enriched atmosphere	E	5	4	20	Lift the cover from the box with a lifting key and chock into position. Test for gas at the top, middle, bottom of the box and in the duct entries. If all clear commence work. If gas is found, stop work and ventilate box until gas is diluted.	5	1	5	Yes		
6	Hand / Arm vibration	E	3	3	9	Implement the control measures detailed in the Method Statement and Risk Assessment 24 'Use of Vibrating Hand-Held / Hand-Guided Tools'.	3	1	3	Yes		
7	Flying Particles	E,P,V,C	3	3	9	Operatives must wear impact grade eye protection.	3	1	3	Yes		
8	Access and egress	E	3	3	9	In deep boxes, access and egress must be via box steps and ladders. DO NOT climb out using the services.	3	1	3	Yes		
9	Weils Disease	E	4	3	12	All open cuts/abrasions must be covered with waterproof dressings. Wash hands before eating, drinking or smoking. Operatives should wash all areas of exposed skin at the end of shift. If there are indications that rats are or have been present e.g. nesting stop work and inform your Supervisor who will arrange for the box/manhole to be cleaned out and disinfected. All operatives must carry the Weils Disease card and be aware of the symptoms of the disease.	4	1	4	Yes		
10	Hypodermic Needles	E	4	3	12	If hypodermic needles are discovered within the working area or the box, NO attempt must be made to pick them up. If the needles are positioned so as to present a hazard, STOP WORK and inform your Supervisor.	4	1	4	Yes		