

USSL Risk Assessment

Risk Assessment No		11	Activity			Installation of EHV, HV, LV Cables		Locations		Site		
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	Don high-visibility clothing. Sign and guard the site in compliance with Chapter 8. Read and implement the control measures detailed in the Method Statement & Risk Assessment 06 "Signing & Guarding" Ensure that excavator flashing beacon is in operation at all times. Park plant and vehicle(s) safely within the working space.	4	1	4	Yes		
2	Underground Services	E	4	4	16	All excavations will be carried out in compliance with HS(G)47 Read and implement the control measures detailed in the Method Statement & Risk Assessment 01 "Avoiding Danger from Underground Services" Only trained Operatives must locate underground services	4	1	4	Yes		
3	Overhead Services	E	4	3	12	Read and implement the Method Statement and Risk Assessment 02 "Avoiding Danger from Overhead Services". All operations in close proximity will be carried out in compliance with GS6 'Avoiding Danger from Overhead Electric Lines'. Consult the utility owner for guidance on minimum safe working distance.	4	2	8	Yes		
4	Plant & Equipment	E,P,V,C	4	4	16	Only trained and certificated operatives to use plant and equipment. Ensure that a banksman is present when using mechanical excavators in order to ensure that the excavator arm and loading bucket are not allowed to encroach into 1.2 metre safety zone.	4	2	6	Yes		
5	Excavations 1.2m or deeper	E	4	3	12	• All excavations 1.2 metres or deeper must be shored in compliance with the Method Statement & Risk Assessment 03 "Shoring of Excavations". • If poor ground conditions are experienced at a depth less than 1.2 metres, shoring must still be used. • Ensure that a continuous gas tester is placed in deep excavations during operations carried out in deep excavations over 2 metres deep.	4	1	4	Yes		
6	Pulling cable from drums	E	4	4	16	Ensure drum trailer and winch are positioned on firm and level ground. Avoid operating on top of existing services i.e. HP Gas mains	4	2	8	Yes		
7	Entanglement/trapping	E	4	4	16	Do not have more than two wraps on capstan Never wrap/Kevlar around body parts/hands Ensure rope/Kevlar is coiled neatly and removed at regular intervals If rope becomes tight, stop work and identify blockage and remove Only use sound cabling cord Lazy splices must be properly taped and formed to prevent snagging on the capstan Ropes/cable under tension must not be touched, use self reeling winches wherever possible The winch operator must ensure that he is stood clear of the capstan and that all loose clothing is tucked in/removed Ensure that personnel do not enter trench during pulling operations DO NOT allow anyone to hold/guide rope when it is in motion DO NOT allow anyone to adjust the rollers unless the winch is isolated and the winch operator is informed of the situation Ensure that communication is maintained via 2-way radios at all times Before entering the trench or attempting to make adjustments to, or handle the rope, cable, winch or rollers, ensure that the winch operator has been informed, the tension has been released from the rope and the cable and that the winch is isolated	4	1	4	Yes		
8	Cutting cable	E	5	4	20	Live cables must not be cut. Cut only from drum (LV, HV & EHV only)	5	1	5	Yes		