

Job: B0244				Risk Assessment Record Prepared by Ian Rothen			
<b>Contract.</b> Vegetation removal along wall, and 65m piling  <b>Date of Assessment</b> 07/07/22  <b>Probability x Severity</b> 1--4      1--5 <b>= Level</b> out of 20				<b>Operations:-</b> Vegetation clearance & 65m piling  <b>Equipment:-</b> wide beam crane pontoon, tug, 2.5t excavator, 21t excavator (on land), piling hammers chipper & hand tools			
Hazard	Assessment			Action		New assessment	
<b>EXAMPLE</b>	P	S	L				P
Movements of vehicles on and off site	2	5	10	Client to be advised of dates vehicles will be on site ahead of arrival. All off road movements to be monitored by a banksman Designated drivers only to drive vehicles on or off site 5 mph speed limit to be observed on site at all times Vehicles to be limited to approved parking areas only			1
Safety of vessels to be used on the contract	3	5	15	All vessels used on the contract should hold a current boat safety scheme certificate and carry a first aid box & eye bath facilities. The vessel should only be used by a person of sufficient experience of operating canal boats in an engineering environment.			2
Possible Crush injuries from boat impact.	3	4	12	When entering and leaving locks all limbs should be kept well in the boat. The vessel should also not use excessive speed, so as the boat may become out of control.			1
The possibility of the boat capsizing.	3	5	15	When working the boat, monitor the safe load indicator at all times to ensure that an unsafe load is not lifted, which could capsize the boat. Only trained, experienced operatives to use plant.			2
Working of vessel through locks	3	4	12	Care should be taken when entering & leaving locks, excessive speed should not be used. Operatives should take care when crossing lock gates and of unprotected edges. The boat should not be allowed to rest on the sill when the lock is emptying or damage or sinking may occur to the vessel. There should always be an operative on the vessel at all times to ensure the boat is in full control.			1
Welfare	2	3	6	Welfare will be provided on site by client.			1
Personnel protection of operatives	2	5	10	Personal protection equipment of safety boots, reflective waistcoat, hard hat with chin strap & face shield, ear defenders, overalls & lifejackets & rubber gloves should be worn at all times by all operatives engaged in the works. Chainsaw trousers, gloves etc should be worn. A mobile telephone will be carried by all staff at all times. All boats to have throw lines			1

				Staff should not share any PPE, all disposable PPE should be bagged and taken off site and disposed of appropriately. All reusable PPE should be wiped and disinfected daily.			
Waterborne diseases	2	5	10	There are water related risks from Leptospirosis (Weils Disease), & Tetanus. All staff will have up to date tetanus vaccinations. All hands and areas of body that have come into contact with water to be washed with soap and clean water before eating, toileting etc. Ensure gloves worn where possible.	1	5	5
Danger of electric shock	2	4	8	All power tools to be 110v	1	3	3
Operator errors caused by poor visibility.	2	3	6	In cases where the driver's visibility is restricted, competent banksmen must be placed in full view to direct operations, if required two-way radios (or similar) should be used to maintain effective two way communication.	1	3	3
Damage to equipment	3	3	9	Ensure machines and equipment's capabilities are not exceeded - only trained personnel will operate plant. SWL displayed on crane. Duty charts and SWL in place on crane. In the event of contact with overhead obstacles/trees etc the digger and attachment will be inspected prior to re-use and recorded on the attachment register	1	3	3
Controlling the risk of falling into the canal.	2	5	10	All staff to wear gripped protective boots, any boots found to have excessive wear to be replaced. Anti-slip surface on the work vessels. Be aware of danger zones around crane on boat.	1	5	5
Use of vibrating tools	2	3	6	All staff using vibrating tools to adhere to HAVS rules. Ensure regular breaks are taken when using compactor. It is not anticipated that HAVS will be applicable as no personnel will come into direct contact with vibrating tools/accessories.	1	3	3
Anti-Social behaviour.	3	4	2	All staff will carry mobile telephones and if necessary, call their supervisor and or the Police.	1	4	4
Pollution	3	5	15	COSSH sheets to be consulted before fuelling takes place. Only suitable drums to be used to transport fuel. A funnel and spill kit must be used when re-fuelling and care must be taken not to spill fuel into the waterway. A plant nappy will be in place. If there is a pollution of the waterway contact the environment Agency on 0800 807060 All COSH items to be stored at least 10 m from canal or on nappy on boat.	1	5	5

Use of vibrating tools	2	3	6	All staff using vibrating tools to adhere to HAVS rules. Ensure regular breaks are taken when using drill. It is not anticipated that HAVS will be applicable as no personnel will come into direct contact with vibrating tools/accessories.	1	3	3
Pollution	3	5	15	COSSH sheets to be consulted before fuelling takes place. Only suitable drums to be used to transport fuel. A funnel and spill kit must be used when re-fuelling and care must be taken not to spill fuel into the waterway. A plant nappy will be in place. If there is a pollution of the waterway contact the Environment Agency on 0800 807060 All COSH items to be stored at least 10 m from canal.	1	5	5
Dangers to other boaters	2	5	10	Signs will be put out before work commences, warning boaters of the works ahead. All work operations to stop whilst boats are passing.	1	5	5
Manual Lifting	2	3	6	All staff have been instructed in manual lifting. When an object looks too heavy for one person, several members of staff should help in the lifting of the object.	1	2	3
Safety of staff engaged on works	2	4	8	Care should be taken at the canal edge due to unprotected edges, All staff to wear gripped protective boots, any boots found to have excessive wear to be replaced. Care should be taken on the waterway in general due to the possible hazards created by other waterway users, such as boaters, walkers or cyclists, all staff on the towpath to wear high visibility waistcoats.	1	3	6
Loss of Load	3	4	12	All lifting equipment to be adequate for the load with up-to-date test certificates. Trained, competent slinger to visibly inspect before use and after each change of attachment and record on quick hitch/attachment register. Weekly LOLER checks carried out and recorded on LOLER inspection pro-forma. All slingers and banksmen to be trained certified and competent. All areas affected by the operation will be cordoned off to prevent unauthorised personnel from entering. All lifting equipment to display a valid colour code, certification maintained in site files. 6-monthly thorough examination certificates provided for the excavator In the event of defects being identified the equipment is to be quarantined immediately and returned to the supplier for repair. Adhere to lift plan.	1	4	4
Plant operations.	3	5	15	Only trained, experienced operatives to use plant. Banksman to be employed. Any operative should get a thumbs up from the excavator operator before passing into the danger zone of the digger.	1	5	5

				Land based excavator to be sat on suitable piling rig pad & at least 3 m back from existing wall			
Services	3	4	12	CAT scanner to be used prior to works commencing and during works to ensure no services are in the works area	1	4	4
Underground services	3	4	12	Underground services to be scanned for ahead of works commencing. Depending upon exact location of cable, matting/boards may be required to spread the load of the machine. Hand digging only around services with insulated tools (if required).	1	4	4
Overhead services	3	4	12	Visual inspection of area of overhead services. Client to inform site team of any services within works area. If required, exclusions zones set up.	1	4	4
Adverse weather conditions	3	4	12	Wear appropriate clothing for weather. Suitable footwear if icy conditions.	1	4	4
Piling hammers/Noise, vibration and flying debris	2	4	8	Chippers & hand tools may impact hearing, 35db reducing ear defenders will be worn. All operatives will wear safety glasses and face shields.	1	5	5
Coughing/sneezing etc	4	5	20	Keep touching of face and hands to an absolute minimum and wash hands if have to. If you sneeze/cough, catch it in a tissue or sleeve & place tissue in bin lined with plastic bag.	2	5	10
Total			294	Total			130