

Residual Risks



Register reference

Project River Dodder Barrier Mitigation Project

Job number 315948

**Package/
topic** Topographic and Bathymetry Survey

Design stage Stage 1

Remember: Avoid – Reduce – Control and communicate relevant information to others

Description of the works assessed: River Dodder Barrier Mitigation Project – Topographic and Bathymetric survey.

As per the works described in the Specification

Date (+ initials)	Area/location of risk exposure	Description of hazard and risk exposure	Mitigation of risk (potential or achieved)	A	R	C	Further action	By	Status
									Active/closed
20/08/26 PG	Within river channel, along banks of river.	Hazard: Working in water: sudden changes in depth, hidden scour holes, soft bed material or obstructions, fast flows, turbulence and weir hydraulics, changing river levels following rainfall, reduced visibility. Risk exposure: risk of slips and injuries, risk of drowning, cold water shock, entrapment or being swept downstream, Weil's disease, difficulty in rescue	The Contractor should select a safe method of bathymetric survey appropriate to flow, depth, access, weather and site constraints. In- channel work shall only be undertaken where justified by RAMS and supported by appropriate water safety controls, and emergency plan. The RAMS is to be agreed with the Client prior to commencement of the works.			x		TBC	Active

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20/08/26 PG	Along the banks of the river	Hazard: Unprotected river banks, steep slopes, vegetated areas, uneven paths. Staff carrying survey poles, tripods, equipment. Risk: risk of slips/trips and falls, risk of injuries, slipping/falling into water, drowning.	Contractor to assess each location as the severity of the risk will change from site to site due to changes in slopes, vegetation etc. Weather conditions will also increase slipperiness of banks so consideration of the forecast and reorganising the order of delivery of survey outputs could be considered, deployment of safe systems of work such a fall arrest, roped access etc where required. Employment of survey techniques that minimise the need for personal to access risk areas.			x	Staff to wear appropriate footwear, staff to be briefed on potential risk of unprotected river banks, in particular when walking on uneven or steep ground. Staff to assess each site on arrival taking into consideration weather conditions and ground conditions underfoot.	TBC	Active

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20/08/26 PG	Working on or alongside roads/highways	Hazard: fast moving vehicles. Risk: Risk of clash/accident with motorised / fast moving vehicles, risk of injuries, death.	As per the specification, Surveyors shall not survey live roads. Capturing the footpath and kerb is sufficient.	x		x	Staff to maintain situational awareness at all times with consideration being given to the use of a buddy/watch person who can warn the surveyor of any need to move away from hazards such as large vehicles approaching. Staff to wear appropriate PPE when working to adjacent live traffic lanes. Surveyor to include RAMS in tender submission.	TBC	Active	
20/08/26 PG	Work in Nature: wild animals	Hazard: Staff have the potential to encounter wild animals such as badgers and foxes. Risk: Risk of injuries, disease.	As per the specification, works shall normally be permitted between 0800- 1800, to avoid encounters with nocturnal animals.		x	x	Should the Surveyor wish to deviate from the normally permitted working hours, it should be brought to the attention of the Employer in advance.	TBC	Active	

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20/08/26 PG	Public interface all along the Dodder cycleway.	Hazard: interaction with members of the public, anti social behaviour, use of shared paths with other users, cyclist, e- scooters, e-bikes, dog walkers. Risk: Staff have the potential to be subjected to verbal and physical abuse and or violence. Risk of being struck by cyclists. Risk of dogs off leads causing distraction, unexpected movement of bite injuries	Staff to maintain situational awareness at all times and to assess risks as they arise – in particular with respect to being on the path when cyclists, e-bikes, e- scooters could be passing. Stepping off path as appropriate will help mitigate this risk. A location is not to be visited or an area is to be left if any antisocial behaviour is encountered or deemed likely to occur. Staff to carry high vis vests and they are to be used if in busy locations with cyclists or traffic. However they may not be worn if they present a risk			x	Further action shall be decided upon by the Contractor, described in the RAMS and agreed with the Client.	TBC	Active

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									Active/closed
			of attracting antisocial behaviour.						
20/08/26 PG	Upstream of Milltown Weir, Upstream of the drop weirs, near Smurfit Weir	Hazard: Presence of Combined Sewer Overflows (CSOs). After flash heavy rainfalls events, CSOs are likely to spill, releasing raw untreated sewage into the river. Risk: in case of exposure to raw sewage, illness.	The Contractor should consider postponing entering the water after a flashy heavy rainfall event. In case of exposure, the Employer recommends thoroughly washing hands, clothes and equipment, and avoiding touching eyes and mouth.	x			The Contractor shall select a safe method of bathymetric survey appropriate to flow, depth, access, weather and site constraints, in order to mitigate the risks associated with in- channel works. The responsibility of taking the decision to postpone surveying areas of the river in case of a risk of CSO spillage lies with the Contractor.	TBC	Active
20/08/26 PG	Milltown Weir.	Hazard: Milltown weir, a masonry weir with timber core, is in an advanced state of disrepair. Unstable/loose stone	The Contractor should exercise extreme caution while undertaking the survey of the weir,	x			The Contractor shall select a safe method of surveying the weir appropriate to flow, depth, access, weather and site	TBC	Active

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		masonry, liable to be further damaged by high flow events in the river. Risk: risk of trips if stone masonry become loose under footing, risk of weir collapse, severe injuries, death.	avoiding surveying the weir if the flows in the river are particularly high.				constraints, in order to mitigate the risks associated with in-channel works. The responsibility of taking the decision to postpone surveying the weir in case of risk of weir collapse/ masonry coming loose, lies with the Contractor.		