MWP

ENGINEERING AND ENVIRONMENTAL CONSULTANTS

Designers Risk Assessment

Design Discipline

Project Name	TRSLC SI Works
Client	Kerry County Council
Project Number	27495
Date	20/09/2026
Document Number	27495-XX-XXX-HS-MWP-CE-6001
Project Stage	Conceptual

Civil Engineering

Author	OK
Checked	DC
Approved	PC
Purpose	Information
Status	P1/S
Revision	0

Likelihood							
	Certain	5	Low	Medium	Significant	High	High
	Likely	4	Low	Medium	Significant	Significant	High
	Possible	3	Low	Medium	Medium	Significant	Significant
	Unlikely	2	Nominal	Low	Medium	Medium	Medium
	Rare	1	Nominal	Nominal	Low	Low	Low
			1	2	3	4	5
			Slight	Minor Impact	Considerable	Critical/Major	Catastrophic
			Impact				

Note: This Design Risk Assessment has been prepared in accordance with the Safety, Health and Welfare at Work (Construction) Regulations 2013 Schedule 1 Particular Risks must be referred to.
Note: Contractor should prepare their RAMS taking cognisance of this DRA along with DRAs and PSHP by others.

Tag	POTENTIAL HAZARD	WHETHER PRESENT		RELEVANCE OF HAZARD TO THIS PROJECT	Severity / Impact Level	Probability / Frequency	Initial Risk Ranking	Design Processes & Controls to eliminate or reduce risk	Severity / Impact Level	Probability / Frequency	Residual Risk Ranking	Measures to be taken to further control residual risk	Action Owner
	SCHEDULE 1 - PARTICULAR RISKS												
1	Work which puts persons at risk of falling from a Height	YES		There is a risk of falls into open excavations associated with trial pits and soakaway testing. Level changes including slopes are present on the site.	5	2	**10 Medium**	Scope given within specification to adjust exploratory positions away from areas where falling from a height is a significant risk.	5	2	**10 Medium**	Method statements, risk assessments, work plans and appropriate PPE to be implemented. Contractor should consider providing edge protection and implement additional measures as necessary to prevent falls from height. Contractor to develop appropriate safe operating procedures and communicate to all involved. Measures should be implemented to protect the public from these. Use of Appropriate PPE. Erect warning signs.	Contractor / PSCS
2	Work which puts persons at risk of burial under earthfalls	Yes		Excavation works associated with the SI may expose personnel to the risk of collapse of excavation sides and burial by soil. Ground conditions may be variable across the sports facility site, particularly in made ground or areas affected by existing services and drainage infrastructure. Falling into open excavations or trial pits, engulfment in the event of a collapse of excavation, plant and machinery.	5	2	**10 Medium**	Contractor has designer's discretion to relocate exploratory positions where this poses a hazard.	5	1	**5 Low**	Method statements, risk assessments, work plans and appropriate PPE to be implemented. Contractor should consider providing edge protection and implement additional measures as necessary to prevent falls from height. Contractor to develop appropriate safe operating procedures and communicate to all involved. Measures should be implemented to protect the public from these. Use of Appropriate PPE. Erect warning signs.	Contractor / PSCS
3	Work which puts persons at risk of engulfment in swampland		NO	Hazard is not envisaged for this site based on GSI mapping and site visit observations.									
4	Work which puts persons at risk from chemical or biological substances	YES		Concrete, screed, sealants, and chemical resins will be used during reinstatement works. There is a risk of contact with biological hazards such as vermin, foul water, and surface water sewers if encountered during site investigations. Made ground will be encountered. There is also the potential to encounter contaminated soil during intrusive works. Fly tipping is present on the site.	4	3	**12 Significant**	Designer to provide information known to the Contractor regarding services on site to the Contactor.	4	2	**8 Medium**	Contractor to adopt a systematic approach to chemicals used. Contractor should provide Material Safety Data Sheets for all chemicals used and appropriate PPE to all personnel. Contractor to consult with Irish Water DRA for watermains and foul sewers. Contractor to have procedures in place in the event of contaminated ground and/or dumping being encountered.	Contractor / PSCS
5	Work which puts persons at risk from ionising radiation		NO	Hazard is not envisaged on site with the proposed Works.									
6	Work near high voltage power lines	YES		Contact of personnel and plant with ESB lines could lead to electrocution. Other unknown buried services may also be present. Overhead lines are present on the vicinity of and in the site.	5	2	**10 Medium**	All existing services known to the designer to be supplied to the Contractor. However unknown services may exist underlying the site. Designer to provide information known to the Contractor regarding services on site to the Contactor. Scope is given within specification to move exploratory locations away from services.	5	1	**5 Low**	Safe systems of work, Training, implementation of method statements to be implemented. All service locations are to be identified on site prior to Works commencement. Exploratory locations are to have safe working distances from services. Existing service drawings to be procured by the Contractor. Power outage may be required when working adjacent to any existing cables. Contractor to operate a dial and dig policy before the work commences to ensure all services present on the site are known. Check for further buried lines through use of CAT scanners by personnel with the CSCS card for locating underground services. Power outages to occur when works are being completed on or near electrical items which pose a risk. Works to be completed in accordance with the HSA Code of Practice for Avoiding Danger from Underground Services.	Contractor / PSCS
7	Work which puts persons at risk of drowning	YES		Ponding may also occur in excavations due to ground water, perched water tables and/or from a leak from a utility. Soakaway testing will be conducted as part of the works.	5	3	**15 Significant**	Scope is given within specification to move other exploratory hole locations away from water bodies where practicable.	5	2	**10 Medium**	Safe systems of work, Training, implementation of method statements to be implemented. Exploratory positions are to have safe working distances from services. Existing service drawings to be procured by the Contractor. Contractor to operate a dial and dig policy before the work commences to ensure all services present on the site are known. Contractor to consult the Irish Water DRA's. Temporary edge protection required to excavation if ponding is observed to occur. Safety Guide for Construction Work over/near Water by Occupational Safety and Health Branch Labour Department to be consulted by the Contractor when preparing their RAMS. Safe working distances to be put in place from water bodies/drainage ditches/flooded excavations	Contractor / PSCS

8	Work on wells, underground earthworks and tunnels		NO	Hazard is not envisaged for this task									
9	Work carried out by divers at work having a system of air supply		NO	Hazard is not envisaged for this task									
10	Work carried out in a caisson with a compressed-air atmosphere		NO	Hazard is not envisaged for this task									
11	Work involving the use of explosives		NO	Hazard is not envisaged for this task									
12	Work involving the assembly or dismantling of heavy prefabricated components and heavy lifting	YES		Transporting, erecting, operating and dismantling of the borehole rigs could pose this hazard.	3	3	9 Medium	The number of boreholes has been minimised as reasonably practicable and use of alternative methods.	3	2	6 Medium	Safe systems of work, PPE, RAMS to be implemented.	Contractor / PSCS
	Other Risks Relevant to This Project Not Included in Schedule 1 - Particular Risks												
13	Overhead and Underground Services	YES		A utility search was completed. Overhead and underground ESB cables were found on the site. Telecommunications, lighting, heating supply and CCTV services are present on the site. Irish water mains and sewer networks are also present. Other unknown services may be present within the site.	4	3	12 Significant	Utility search completed and to be passed to the PSCS. Exploratory locations are specified away from services shown on service drawings where possible. Scope is given within specification to move exploratory locations away from services.	4	2	8 Medium	All services locations to be identified on site prior to commencement of work. Exploratory locations to be adjusted onsite to ensure safe working distances from services are achieved. Risk assessments, method statements, training, work plans and safe systems of work should be implemented.	Contractor / PSCS
15	Working in confined spaces		NO	Hazard not envisaged for this task. No persons are permitted to enter a confined space.									
16	Manual handling	YES		Back or Spinal injury when moving site investigation equipment.	3	2	6 Medium	No design controls can reduce this risk.	3	2	6 Medium	Safe systems of work and method statements to be implemented. All personnel to have manual handling certificates. Mechanical lifting aids to be used where possible. Minimise work elements incorporating risk due to manual handling.	Contractor / PSCS
17	Noise	YES		Noise will be an occurrence due to the proposed works. Potential risk of hearing loss/impairment. Residential areas located beside the proposed site. MTU located beside site.	2	1	2 Nominal	No design controls can reduce this risk.	2	1	2 Nominal	Appropriate PPE, safe systems of work, training, method statements and work plans should be implemented. Working hours to be agreed on with all relevant bodies.	Contractor / PSCS
18	Vehicular Movements and Access to Site	YES		Risks associated with access and egress to the site due to its location. The site is located within Tralee Town and adjacent to the MTU campus. The surrounding road network and pedestrian routes experience high levels of vehicle and pedestrian traffic throughout the day. The site contains publicly accessible areas which must remain open during the works. There is potential for conflict between site traffic, plant movements, pedestrians, cyclists and other road users. A gym, swimming pool and sports ground facility are present on the site which are intended to remain in operation during the works.	4	3	12 Significant	No design controls can reduce this risk.	4	3	12 Significant	All traffic movements associated with the works shall be coordinated with Kerry County Council (KCC) and Facility Management. A Traffic Management Plan shall be prepared and implemented by the Contractor prior to the commencement of works. The Contractor shall be responsible for ensuring the public roads and pavements surrounding the sites are kept clean and free from mud, soils and other construction material. Adequate signage shall be displayed at the entrance and approach to the sites. The Contractor shall ensure all employees and sub-contractors attention is brought to the surrounding areas and ensure due courtesy and consideration is given to the general public and the environment in the vicinity of the site. Safe systems of work, training and method statements to be implemented. Speed limits and stop signs shall be displayed. Plant to be equipped with reversing camera, flashing beacons, use of hazard warning lights etc. All personnel to wear high visibility clothing. Machinery to operate with trained banksmen and trained operators. Access to the sites for the Emergency Services shall be maintained at all times. Public walkways and pedestrian routes through the site shall be maintained at all times unless otherwise agreed with KCC. Suitable signage, barriers, traffic marshals/banksmen and temporary diversions shall be provided where required to ensure the safe segregation of pedestrians, cyclists, vehicles and construction activities. Particular consideration shall be given to peak traffic and pedestrian periods associated with the adjacent MTU campus and town centre activities.	Contractor / PSCS
19	High winds	YES		There is the possibility that strong winds may occur during the works which could result in injury from being blown over or struck by flying debris.	3	2	6 Medium	No design controls can reduce the risk.	3	2	6 Medium	Safe systems of work, training and risk awareness method statements and work plans. Weather forecast to be consulted prior and during the works with appropriate measures implemented if a weather warning is advised.	Contractor / PSCS
20	Interface with non-site investigation activities on the site and members of the public.	YES		Site is located in Tralee beside the MTU campus. An existing pathway within the site must remain open to the public and all paved areas are open to the public and must be maintained throughout the works. Members of the public may traverse onto the site that is not open to the public. These may become aggressive towards the staff and/or anti-social behaviour may occur.	2	2	4 Low	No design controls can reduce the risk.	2	2	4 Low	The Contractor shall be responsible for ensuring the public roads and pavements surrounding the sites are kept clean and free from mud, soils and other construction material. Adequate signage shall be displayed at the entrance and approach to the sites. Regular liaison should occur with the relevant landowners, Employer and other members of the public at the pertinent times. Areas of high risk to be secured from the public. Safe systems of work, method statements and training to be implemented. Contractor to have appropriate security measures in place.	Contractor / PSCS
21	Contaminated Materials	YES		There is potential of contaminated ground to be encountered on the site.	3	2	6 Medium	This risk could not be eliminated by design.	3	2	6 Medium	Safe systems of work, method statements and appropriate PPE to be implemented. Contractor to have measures in place in the event of contaminated ground being met.	Contractor / PSCS