MWP

TRSLC

SITE INVESTIGATION

Preliminary Safety & Health Plan

Kerry County Council

September 2026

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1. Preface

This Preliminary Safety & Health Plan (PSHP) has been prepared in accordance with Statutory Instrument No. 291 of the Safety, Health & Welfare at Work (Construction) Regulations 2013. It should be read in conjunction with the written risk assessments issued by all designers working on the project and any other relevant information. It is to input into the Construction Stage Safety and Health Plan and ultimately will be included in the Safety File for the project.

This Preliminary Safety & Health Plan is produced by MWP as Project Supervisor Design Process (PSDP) for the project having been appointed by Kerry County Council as the Client. Persons using this Plan are advised to familiarise themselves with the purposes of the Plan and their obligations by reference to the Safety, Health & Welfare at Work (Construction) Regulations 2013. A non-exhaustive list of relevant legalization and Codes of Practice is provided in Appendix A. Design Risk Assessments (DRAs) have been provided to the PSDP by all Designers working on the project prior to the preparation of this document in Appendix C.

The contents of this Safety & Health Plan include: -

I. a general description of the project and of the time within which it is intended that the project will be completed;

II. appropriate information on any other work activities taking place on the site;

III. work related to the project which will involve particular risks to the safety, health and welfare of persons at work including but not limited to those referred to in Schedule 1 of the regulations;

IV. the conclusions drawn by designers and the project supervisor for the design process as regards the taking account of the general principles of prevention and any relevant safety and health plan or safety file;

V. the location of electricity, water and sewage connections, where appropriate, to facilitate adequate welfare facilities;

VI. timescale for completion.

VII. Assumptions & Constraints.

VIII. Project organisation.

IX. Relevant drawings.

This plan has been prepared in time to enable it to be provided in compliance with the Regulations to every person being considered or tendering for the role of project supervisor for the construction stage.

A copy of the safety and health plan will be kept available for inspection by an inspector for the duration of the project.

2. Introduction to the Project

2.1 General

Kerry County Council (KCC) Wishes to create a masterplan for the future development of the Tralee Regional Sports and Leisure complex facility. A site investigation campaign is being conducted to increase certainty of the geotechnical conditions on the site so to assist with the masterplan for this site. The remit of MWP's role as PSDP covers the Site Investigation for this current phase only.

2.2 Site Location

The project is located at Cloonalour, Tralee, Co. Kerry, within the grounds of the Tralee Sports Complex and the adjacent grassed and landscaped areas. The site is situated beside the Munster Technological University (MTU) Kerry South Campus. The site is shown in Figure 2-1.



Figure 2-1: Site Location

2.3 Description of the Site

The site is an operational sports and leisure facility located in the centre of Tralee, Co. Kerry. It consists of buildings, sport pitches, green areas, car parking and ancillary areas. Residential areas are located to the north and west of the site. MTU South Kerry campus is located to the east. A railway track is located to the south of the site.

3. General Description of the Work

3.1 Scope of Works

The scope of works for this phase is to undertake a site investigation to inform the design and the construction of the future masterplan on this site. This site investigation will entail:

- Boreholes
- Trial Pits
- Soakaways
- Pavement Cores
- Geophysics
- Laboratory Testing
- And all associated activities.

3.2 Project details

3.2.1 Contract Title

TRSLC Masterplan Site Investigation

3.2.2 Client's Name and Address

Client: Kerry County Council

Clients Representative: Maurice Costello (Maurice.Costello@kerrycoco.ie)

Kerry County Council

Rathass,

Tralee,

Co. Kerry,

V92 H7VT

3.2.3 PSDP Name and Address

MWP,

Reen Point,

Blennerville,

Tralee,

Co. Kerry

3.3 Appointment of Project Supervisor Construction Stage (PSCS)

TBC

4. Information on Concurrent work Activities on or near the Site

The site is located within the Tralee Sports Complex in Tralee, Co. Kerry, which will remain operational during the Site Investigation works. Sports facilities, buildings, access roads, car parks, pedestrian areas and adjacent educational facilities may continue to be in use throughout the investigation period.

The Contractor shall allow for interaction with facility users, site staff, pedestrians and vehicular traffic within and adjacent to the site. Appropriate traffic management, signage, barriers and exclusion zones shall be implemented where necessary to ensure the safety of all site users and members of the public. Access routes, emergency access arrangements and existing site operations shall be maintained for the duration of the works unless otherwise agreed with the Client.

Other maintenance, construction or operational activities may be occurring within the Tralee Sports Complex, MTU Kerry South Campus or neighbouring properties during the investigation works. The Contractor shall coordinate activities with the Client and relevant stakeholders to avoid conflicts and maintain safe access at all times.

5. Work Involving Particular Risks Referred to in Schedule 1 of the Regulations

This section lists the "particular risks" as per Schedule 1 of the Construction Regulations, 2013. Other hazards may arise out of working methods, which are at the discretion of the contractor and as such cannot be determined at this stage. Hazards are to be addressed by the PSCS and the contractors themselves as they arise.

In cases where the residual risk is required to be dealt with by the PSCS by production of Method Statements, reference to those method statements is included in the register of Method Statements appended to this Safety and Health Plan. The PSDP is to keep this register updated for the duration of the project.

Written risk assessments are included in the appendices of this document.

This is a non-exhaustive list and maybe updated as part of the design process.

5.1 Work which puts persons at work at risk of— (a) falling from a height, (b) burial under earthfalls, or (c) engulfment in swampland, where the risk is particularly aggravated by the nature of the work or processes used or by the environment at the place of work or construction site

These risks relate to:

- Soft spots or voids;
- Engulfment in the event of a collapse of excavation, plant and machinery.
- Falling into trial pits
- Stability of ground for plant.
- Falling from embankments.
- Personnel, plant and machinery could become stuck or lose stability in areas of the site.

5.2 Work which puts persons at work at risk from chemical or biological substances constituting a particular danger to the safety and health of such persons or involving a statutory requirement for health monitoring

These risks relate to:

- Concrete, screed, sealants, and chemical resins will be used during reinstatement works.
- Potential exposure to hydrocarbons or made ground in previously disturbed areas.
- Contact with biological hazards such as vermin, foul water, and surface water sewers if encountered during site investigations.
- Potential exposure to hydrocarbons, contaminated ground, or made ground in previously disturbed areas.
- Contact with materials that have been dumped on the site.

5.3 Work with ionising radiation requiring the designation of controlled or supervised areas as defined in Directive 96/29/Euratom

Not applicable.

5.4 Work near high voltage power lines

Overhead and underground cables are on and in the vicinity of the site. Extreme caution must be exercised during site investigation works, and appropriate protective measures shall be put in place to prevent accidental damage or disruption. The Contractor must liaise closely with the Client and relevant stakeholders to ensure the integrity of this infrastructure is maintained throughout the works and that the risk is minimised in so far as is reasonably practicable. All lines should be considered live.

A utility search has been undertaken for the site. Overhead and underground ESB infrastructure, Irish Water watermains and foul sewer networks have been identified within the site. Other unknown unidentified services may be present on the site.

The Contractor shall liaise with all relevant utility providers and Statutory Authorities prior to commencing intrusive works. Utility information made available to the Designer shall be provided to the Contractor; however, the Contractor remains responsible for verifying utility locations and protecting existing infrastructure throughout the works.

5.5 Work exposing persons at work to the risk of drowning

Ponding may occur in excavations due to ground water, perched water tables and/or from a leak from a utility. Soakaway testing is scheduled on the site.

5.6 Work on wells, underground earthworks and tunnels

Not applicable.

5.7 Work carried out by divers at work having a system of air supply

Not applicable.

5.8 Work carried out in a caisson with a compressed-air atmosphere

Not applicable.

5.9 Work involving the use of explosives

Not applicable.

5.10 Work involving the assembly or dismantling of heavy prefabricated components

Transporting, erecting, operating and dismantling of the borehole rigs could pose this hazard.

6. The Timescale for the Project and the Basis for Same

6.1 Time for completion

The SI works are planned to commence in Autumn/Winter 2026. The on-site element of the SI works are likely to take 3-4 weeks on site.

The PSCS is to assess whether their programme can be completed within this timeframe in view of the safety and health issues and phasing of the works.

If the scope of works are changed then the adequacy of the time for completing the works should be reviewed by the Client and the PSDP in consultation with the PSCS.

6.2 Working Hours

Normal working hours are considered 7am to 7pm Monday to Saturday unless dictated otherwise by planning permission and the Client. Works outside of these hours to be agreed with the Client and the Local Authority (Where relevant) in advance of the works. Consideration for the adjacent residential areas, educational institution and the facility itself shall be given by the PSCS with the working hours and works sequencing.

Any works which may result in a service disruption, noise or traffic re-routing must be brought to the attention of the Engineer at least seven working days in advance to allow sufficient notification to be given to the relevant property owner/tenant and their employees.

The Project Supervisor Construction Stage is required to liaise with the Engineer to agree specific arrangements for activities outside of normal working hours if required, that will minimise risk and disruption to the general public.

7. Assumptions and Constraints

The Contractor shall prepare and implement a safe system of work and method statement for all Site Investigation activities, taking account of identified constraints, services, site users and ground conditions. The following assumptions and constraints shall be taken cognisance of by the PSCS in the preparation of the RAMS for the works.

The Contractor shall be responsible for the design, installation, inspection and removal of any temporary works required to safely undertake the Site Investigation. Where required, temporary works shall be supported by appropriate design certification and accompanying design risk assessments.

7.1 Access and Egress

Access to and egress from the site shall be agreed with the Client prior to commencement of the works. The site is located within the Tralee Sports Complex and adjacent to the MTU Kerry Campus, where significant pedestrian and vehicle movements occur throughout the day. Exact access points, site compounds and vehicle routes shall be agreed by the Contractor with the Client in advance of the works. It is assumed that the works will access the site using the same entrance as for the facility as denoted in Figure 7-1. There is a hardstanding area that may be available for use as a compound for the on site element of the works which is denoted by the purple hatch, use of this area as a comopund is to be agreed with Kerry County Council. Note at the access point to this hardstanding area, there is a concrete path connecting a gym to the main building. This walkway is to be maintained for public use at all times and condition fit for wheelchair access. It is assumed that the PSCS will provide personnel to monitor traffic movements in this area with the public at the pertinent times. The PSCS should take note of this in their Traffic Management. Access and egress for Emergency services along with the facility management to be maintained at all times.



Figure 7-1: Site Access Point, Proposed Compound (Hatched in Purple) and compound access point (Circled in pink)

Note there is significant pedestrian and vehicle movements that occur throughout the day. Exact access points, site compounds and vehicle routes shall be agreed by the Contractor with the Client in advance of the works. The PSCS shall liaise with Kerry County Council and the facility management to ascertain the times to sequence the works to minimise interaction with the public.

The PSCS shall take cognisance of these requirements when preparing the Traffic Management Plan. Access and egress for Emergency Services, sports facility users, staff and visitors shall be maintained at all times.

All works are to be confined to the extent of the site outlined. The Contractor shall secure all work areas as necessary and maintain appropriate barriers, signage and exclusion zones for the duration of the works, taking account of the site's use by staff, visitors and members of the public. Access to and egress from the site shall be via agreed access routes and locations approved by the Client. The Contractor shall coordinate all site activities to minimise disruption to the operation of the existing sports facilities and adjacent properties.

7.2 Safety of General Public

Works are proposed to occur in the public road domain alongside the accessing and egressing from the off-road sections. The safety of the general public shall be a key consideration in all of the appointed contractor's methodologies, risk assessments and procedures.

The site is located within an active sports facility and includes publicly accessible pathways, paved areas and open spaces. Certain pedestrian routes through the site are required to remain open during the works.

The safety of the general public, sports facility users, MTU staff and students shall be a key consideration in all Contractor methodologies, risk assessments and procedures. Appropriate segregation measures shall be implemented where construction activities interface with members of the public.

7.3 Environment

The contractor is to carry out the works in accordance with all relevant environmental legal requirements and to take cognizance of the CEMP were pertinent.

7.4 Site

The Contractor must secure the site and works (including in the temporary condition for as long as required) therein satisfactorily and appropriate to location and maintain this security as required.

The site comprises existing sports facilities, associated buildings, grassed areas, sports pitches, public pathways and paved areas within Tralee Sports Complex. The works are to be confined to the locations identified on the contract drawings and agreed with the Client.

The site will remain operational during the works and public access through certain areas must be maintained. Ground conditions may vary across the site, with the potential for soft or waterlogged soils in some locations.

The Contractor shall secure all work areas, excavations, plant and equipment as appropriate to the location and nature of the works and maintain such security for the duration of the project.

7.5 Utilities

A utility search has been undertaken for the site. Overhead and underground ESB infrastructure, Irish Water watermains and foul sewer networks have been identified within the site. Other unidentified services are present such as external lighting, communications, heating pipes, telecommunications, CCTV etc and other unknown unidentified services may be present on the site. In addition, services associated with the existing sports facilities and adjacent buildings may be present within the proposed investigation area.

The Contractor shall liaise with all relevant utility providers and Statutory Authorities prior to commencing intrusive works. Utility information made available to the Designer shall be provided to the Contractor; however, the Contractor remains responsible for verifying utility locations and protecting existing infrastructure throughout the works. A utility search conducted by MWP is provided in Appendix D.

Any appointed Contractor shall confirm the nature, location and condition of all services that may affect or be affected by the works and take all necessary precautions to prevent injury, damage or service disruption. Existing structures, buildings, access roads, footpaths, sports facilities, services and members of the public shall be protected throughout the duration of the works.

Utility records, geophysical survey information and service detection equipment shall be reviewed and utilised prior to undertaking intrusive investigations. All exploratory positions shall be scanned for buried services before excavation or drilling commences. Where services are identified in proximity to a proposed investigation location, the Contractor shall have discretion to adjust the location to maintain safe clearances, subject to agreement with the Client where required.

The Contractor shall immediately report any previously unidentified services encountered during the works and implement appropriate control measures before proceeding.

It is assumed that all existing underground and overground services within the site remain live unless otherwise confirmed. The Contractor shall identify, locate and protect all services prior to commencing intrusive investigation works and maintain them in a safe condition throughout the works. The Client will provide available information relating to known or suspected services within the site; however, the Contractor shall satisfy themselves as to the location and extent of all services before commencing works.

7.6 Preliminary Traffic Management Plan

Access to the site will be via the local road serving the Liosdara housing estate. It is a single carriageway road. Access may be challenging in sections due to narrow road width and traffic volumes, particularly given it is within an urban area. The posted speed limit is 30 km/h on this local road.

The PSCS will be required to prepare a detailed traffic management plans, compiled in accordance with the requirements and advice given in Chapter 8 of the Traffic Signs Manual, Department of Environment, 2021 (or any subsequent amendments thereof) showing the sequence of construction. Note that the exploratory positions are contained within TRSLC lands. The site is located adjacent to the MTU Kerry Campus. Vehicle, cyclist and pedestrian movements are expected to be significant throughout the working day, particularly during peak college, school, sporting and commuter periods.

Access and egress routes for the Emergency Services are at risk of being impeded by the works and it is important that access is maintained for them. Construction works within close proximity to traffic and pedestrian routes for the general public poses a number of risks which must be addressed prior to the commencement of works. This is to note that the facility is to remain live and operational during the SI works. The PSCS shall liaise with Kerry County Council and facility management with respect to planning traffic movements on the site prior to and during the works at the pertinent times. The Traffic Management Plan shall take account of periods of increased pedestrian and vehicular activity associated with the adjacent MTU campus and sports complex operations. Appropriate signage, barriers, traffic marshals and trained banksmen shall be provided where necessary to ensure the safety of site operatives and members of the public. The Contractor shall ensure that all public roads, footpaths and paved areas are kept clean and free from mud, spoil and construction materials arising from the works.

The works are to be enacted by competent personnel with the valid SLG CSCS card holders and Assisting in the Implementation of Health and Safety at Roadworks CSCS cardholders. All traffic management measures shall be implemented by competent personnel holding the appropriate CSCS qualifications. The Traffic Management Plan shall incorporate all stages of the works, including site establishment, internal site traffic movements, exploratory works and demobilisation.

Roads with posted speed limits of 30 km/h are classified as Level 1(i). The survey works are likely to involve Static Type C traffic management for site access and egress; however, there is potential for Static Type B where durations exceed 15 minutes. The PSCS will determine the specific traffic management types to be implemented in accordance with their methodology, which has not yet been confirmed. The Traffic Management Plan should address all stages of the works, including internal site traffic movements.

8. Relevant Documents

The following documents provided are below:

- Designers Risk Assessments (Appendix C)
- Utility Records (Appendix D)

9. Safety File

The Safety File is a record of information on health and safety issues for the end user or client.

It is prepared by the Project Supervisor for the Design Process (PSDP) and delivered to the client on completion of the project. The information contained within the Safety File is a combination of information from the Project Supervisor for the Construction Stage (PSCS), the Designers, and the Contractors and includes the following non exhaustive list of contents:

- Health and Safety Plan prepared by PSDP and further developed by the PSCS;
- Details of Subcontractors and Other Contractors on Site;
- Insurance Details of all Contractors an Site;
- Main Contractors Safety Statement / Policy;
- Construction Drawings;
- As Built Drawings;
- Specification;
- Copy of Method Statements;
- Statements of General Design Criteria;
- Details of Equipment and Maintenance Facilities;
- Maintenance Procedures and Manuals;
- Relevant Certificates from Suppliers / Manufacturers / Specialist Contractors etc;
- Details of Location and Nature of Utilities and Services.

Appendix A

Non-exhaustive List of Legalisation & Codes of Practice

The Contractor must comply with all of its responsibilities and duties pursuant to the Safety, Health and Welfare of Work Act 2005 as amended and the Safety, Health and Welfare at work (Construction) Regulations 2013 as amended and shall further comply with the following legislation, codes of practice and guidelines relevant to Health, Safety and Welfare at the Site and the safe execution of the Project including where relevant, noting this list is non-exhaustive:

- BS 5975:2019 Code of practice for temporary works procedures and the permissible stress design of falsework
- Chemicals (Amendment) Act 2010
- Chemicals (Asbestos Articles) Regulations, 2011
- Code of Practice for Avoiding Danger from Overhead Electricity Lines by the Health & Safety Authority (2019).
- Code of Practice for Avoiding Danger from Underground Services published by the Health & Safety Authority (2010);
- Code of Practice for Managing Safety in Forestry Operations published by the Health & Safety Authority;
- 2026 Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents) Regulations (2001 to 2026) and the Safety, Health and Welfare at Work (Carcinogens, Mutagens and Reprotoxic Substances) Regulations (2024 and 2026);
- Guidance for the Control and Management of Traffic at Roadworks by the Health & Safety Authority. (2010)
- Revised Code of Practice for Working in Confined Spaces Amended 2017;
- Safe Use of Ladders Information Sheet published by the Health & Safety Authority;
- Safety Health and Welfare (Exposure to Asbestos)(Amendment) Regulations 2010
- Safety, Health and Welfare at Work (Biological Agents) Regulations 2013 and associated Code of Practice;
- Safety, Health and Welfare at Work (Construction) (Amendment) Regulations as amended
- Safety, Health and Welfare at Work (General Application) (Amendment) Regulations as amended
- SHWW (Construction) Regulations 2013 as amended
- SHWW (General Application) Regulations 2007 and relevant subsequent Amendments
- The Safety, Health and Welfare at Work Act 2005 (as amended);

Appendix B

Principles of Prevention

The General Principles of Prevention set out in descending order of preference:

1. The avoidance of risks.
2. The evaluation of unavoidable risks, i.e. evaluating the likely consequences of such risks.
3. The combating of risks at source. If risks cannot be avoided, they should be combated at source so far as practicable.
4. The adaptation of work to the individual, especially as regards the design of places of work, the choice of work equipment and the choice of systems of work, with a view, in particular, to alleviating monotonous work and work at a predetermined work rate, and to reducing their effect on health. This will make work less monotonous and improve concentration, and reduce the temptation to take short cuts or to improvise equipment and materials.
5. The adaptation of the place of work to technical progress; taking advantage of technical progress often offers opportunities for safe and more efficient working methods.
6. The replacement of dangerous articles, substances, or systems of work by non-dangerous or less dangerous articles, substances, or systems of work.
7. The giving of priority to collective protective measures over individual protective measures. Measures which protect everyone should be given priority over those which protect only an individual, e.g. the provision of fixed guard rails on a maintenance walkway rather than safety harnesses, the installation of safety nets rather than relying on individual safety harnesses, the provision of local exhaust ventilation in preference to personal protective equipment, noise shields instead of ear plugs.
8. The development of an adequate prevention policy in relation to safety, health and welfare at work, which takes account of technology, organisation of work, working conditions, social factors and the influence of factors related to the working environment. The Safety and Health Plan for the site should act as the focus for the bringing together and co-ordination of the preventive policies of the various contractors involved in the project. Where a Safety and Health Plan is not required under the Construction Regulations 2006, the Safety Statement as required by the 2005 Act must contain an adequate prevention policy.
9. The giving of appropriate training and instruction to employees.

Appendix C

Designers' Risk Assessments

(See Information Pack Provided)

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

Appendix D

Utility Search

(See Information Pack Provided)