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Project: Proposed Carpark Upgrades and Alterations at Waterford Training Centre, Cork Road, Waterford

Preliminary Health & Safety Plan

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This Preliminary Safety & Health Plan has been prepared in accordance with Safety, Health & Welfare at Work (Construction) Regulations 2013 S.I. 291 of 2013 and is based on project information available at this time. All references in this document to statutory rules, regulations or acts are to be construed to include any additions, modifications or supersedence of the particular rules, regulations or acts.

1.0 GENERAL DESCRIPTION OF PROJECT

1.1 Dutyholders

1.1.1 The dutyholders as per S.I. 293 of 2013 are as follows:

Client: Waterford & Wexford Education & Training Board
PSDP: MPA Consulting Engineers
PSCS: TBC

1.2 Project Description

1.2.1 This Preliminary Health & Safety Plan relates to the proposed works for the Proposed Carpark Upgrades and Alterations at Waterford Training Centre, Cork Road, Waterford. The works consist of:

- Site clearance,
- Groundworks and levelling,
- Construction of a reinforced concrete yard slab,
- Provision of hardcore surfacing,
- Provision of surface water drainage system,
- Provision of a galvanised steel Handrail,
- All associated works as set out in the drawing pack.

1.2.2 The site is located at Waterford Industrial Estate. The proposed works will be carried out within the grounds of the Waterford Training Centre. Parking of the contractor vehicles will be restricted to within the boundaries of the site e.g. no parking is permitted on the public road.

1.2.3 The proposed Site Layout can be seen in **Figure 1.1** below.

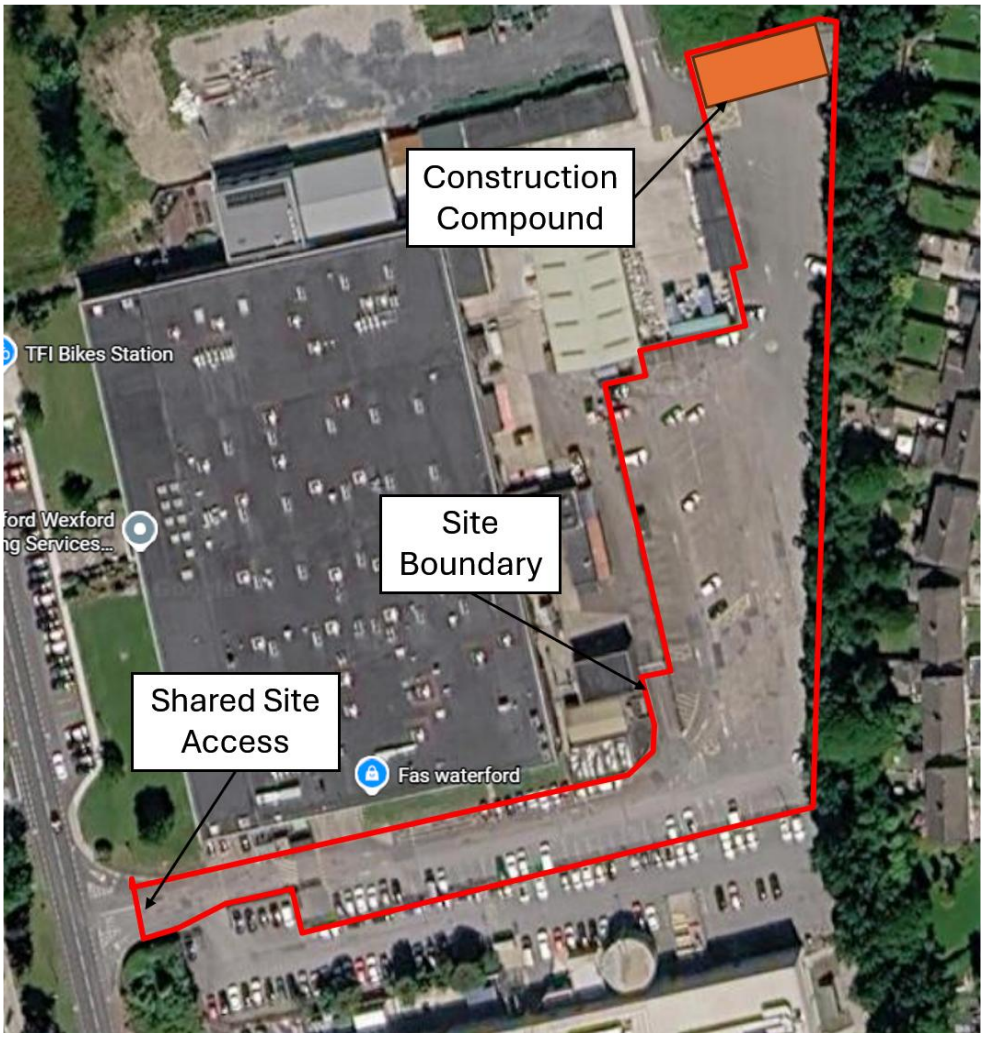

FIGURE 1.1 – PROPOSED SITE LAYOUT

1.3 Project Duration

1.3.1 The contract duration is anticipated to be 10 weeks.

1.4 Other Work Activities on Site

1.4.1 The site is operational as an education and training facility, and the contractor area of possession is limited to the site boundary, as shown above.

1.4.2 It is anticipated that the works area (within the red line boundary above) is to be provided with vacant possession for the duration of the works. However, it is likely that works will be ongoing in the area of the overall campus.

2.0 RISK ASSESSMENT

2.1 Particular Risks

2.1.1 The following is a list of Particular Risks as listed in Schedule 1 of the Health Safety & Welfare at Work (Construction) Regulation 2013 and is based on project information available at this time and site visits carried out between June 2025 & July 2025. All references in this document to statutory rules, regulations or acts are to be construed to include any additions, modifications or supersedence of the particular rules, regulations or acts.

No.	Hazard	Applicable	Not Applicable	Comment/Description
1.	Works that puts a person at risk of aggravated:			
	a. Falling from Heights		✓	A function of the works is to carry out excavations for drainage services. Risk is reduced by design by identifying the risk and minimising depth of excavation. Contractor is to manage residual risk and to ensure appropriate work practices and adequate safety measures are put in place including the provision of edge protection.
	b. Burial under earth falls	✓		Risk is inherent as excavations are required for yard slab and drainage services. Risk is reduced by design by minimising the depth of excavation and ensuring boundary separations are maximised where possible.
	c. Engulfment in swampland		✓	The site is located in an area of bogland and wetlands. As such, the risk of engulfment exists. Risk is reduced by minimising the depth of excavations. Contractor is to manage residual risk on site and ensure appropriate work practices and adequate safety measures are in place.
2.	Works which puts persons at risk from chemical or biological substances.	✓		A function of groundworks is the generation of dust and the presence of biological and chemical substances. Risk cannot be avoided by design. The contractor is to manage risk on site by ensuring appropriate safety measures are in place and providing PPE as required. Contractor to ensure MSDS for all products on site are available for all employees.

3.	Work with Ionising Radiation.		✓	
4.	Work near High Voltage Power Lines.		✓	
5.	Work exposing persons at work to a risk of drowning.		✓	
6.	Work on wells, underground earthworks and tunnels.		✓	
7.	Work carried out by divers having a system of air supply.		✓	
8.	Work carried out in a caisson with a compressed-air atmosphere.		✓	
9.	Work involving the use of explosives.		✓	
10.	Work involving the assembly or dismantling of heavy prefabricated Components.		✓	

2.2 Other Risks

2.2.1 The following section identifies any risks not included under particular risks, which may be relevant to this project.

No	Hazard	Applicable	Not Applicable	Comment/Description
1.	Work in close proximity to fragile structures – e.g. refurbishment works		✓	
2.	Work in proximity to live services, e.g. gas, electricity, watermain, drains, telecommunications etc.	✓		A function of the proposed works is work in the proximity of existing services, such as electricity cables, watermains etc. Underground electrical cables are known to supply the crane, Risk is reduced by providing utility maps to the contractor. Contractor is to manage risk on site by ensuring service providers are consulted and CAT scanners are to be used to locate underground services are located prior to works commencing and keeping interfaces with existing services to a minimum. Known existing services have been included in the documents.
3.	Interaction with pedestrian traffic	✓		Interaction with pedestrians is possible at main access point. Risk cannot be avoided by design.

				Risk is to be managed on site by the contractor.
4.	Interaction with vehicular traffic	✓		Interaction with vehicles is possible at the access point. Risk cannot be avoided by design. Risk is to be managed on site by the contractor.
5.	Interaction with animals, e.g. livestock, dogs, rodents etc.		✓	
6.	Works near adjacent buildings	✓		Works in proximity to existing structures on site. Risk cannot be eliminated by design as it is a function of proposed works. Risk is reduced by maximising separation distances where possible. Contractor is to manage residual risk on site ensuring appropriate work practices and adequate safety measures are in place.
7.	Works which pose a risk of obstructing emergency access, e.g. fire tender or ambulance.	✓		Interaction with emergency services possible at main access point. Risk cannot be reduced by design. The contractor is to manage risk by ensuring works areas are secured and appropriate separation is provided for vehicle and pedestrian routes.
8.	Works which pose a risk of discontinuity of essential services provided by adjoining properties, e.g. hospitals and emergency services facilities.		✓	
9.	Use of novel construction techniques which require training & monitoring.		✓	
10.	Use of specialist contractors with designer responsibilities whereby design coordination will be required, e.g. proprietary glazing and cladding systems.		✓	
11.	Works requiring non-standard scaffolding, e.g. curved facades, bridging over entrances, roads, or walkways.		✓	
12.	Maintenance access to atriums & facades, e.g. cleaning and replacement of glass.		✓	

13.	Maintenance access to plant & equipment. e.g. can suitable access be gained		✓	
14.	Noise & Dust – Generic to construction work, however volume and susceptibility of those exposed must be considered, e.g. aspergillus in hospitals, dust in busy public areas.		✓	
15.	Vibration – consider intensity and duration. May also be relevant to works adjacent to fragile buildings.		✓	

2.3 Principles of Prevention

2.3.1 In addition to the above please see below list of matters to be considered as regards the application of the General Principles of Prevention as set out in SI 291 of 2013.

- Keeping the construction site in good order and in a satisfactory state of cleanliness.
- Choosing the location of workstations, bearing in mind how access to them is obtained, and determining routes or areas for the passage and movement of equipment.
- The condition under which various materials are handled.
- Technical maintenance, pre-commission checks and regular checks on installation and equipment with a view to correcting any faults which might affect the safety, health and welfare of persons at work.
- The demarcation and laying out of area for the storage of various materials, in particular where dangerous materials or substances are concerned.
- The condition under which the dangerous material used are removed.
- The storage and disposal or removal of waste and debris.
- The adaptation, based on progress made on the construction site of the actual time to be allocated for the various type of work or work stage.
- Co-operation between employers and self-employed persons.
- Interaction with industrial activities at the place within which or in the vicinity of which the construction site is located.

2.4 Safety Rules for the Execution of the Construction Works

2.4.1 All site visitors, personnel and contractors must comply with the Main Contractor's Health & Safety policy and the specific Construction Stage Health & Safety Plans.

- All other Sub-Contractors are to provide evidence of their Health & Safety Policy and procedures to the Main Contractor prior to start of work. This information is to be incorporated in the Health & Safety Plan by the Project Supervisor for Construction. A monthly report will be submitted as to the status of each sub-contractor submissions and adherence to procedures.

- All risks identified in the Preliminary Health & Safety Plan and the Health, Safety and Welfare (Construction) Regulation 2013 to be individually identified and addressed.

- Method statements and Safety Statement to be reviewed and revised as necessary on an ongoing basis to take into account any new issues, which arise during the course of any revision. Revisions, which could affect SHW matters, to be advised of at the site meetings.

- All site personnel and Health & Safety personnel are advised on an ongoing basis of any revisions to the Safety Plan.

- Standard and proof of adequate training on site is to be included in the Health & Safety Plan.

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