



Mountmellick Development Association

MDA Car Park Development

Preliminary Safety and Health Plan

(under the Safety Health and Welfare at Work (Construction) Regulations)

Mountmellick Development Association	26049-PSHP Issue T1	Kilgallen & Partners Consulting Engineers	
Irishtown, Mountmellick, Co. Laois		3, Danville Business Park, Kilkenny	Well Road Kylekiproe Portlaoise

REVISION HISTORY

Client	Mountmellick Development Association
Project	MDA Car Park Development
Title	Preliminary Safety and Health Plan

Date	Detail of Issue	Issue No.	Origin	Checked	Approved
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1. INTRODUCTION

This Preliminary Safety and Health Plan has been prepared in accordance with Regulations 12(1) (a) of the Safety, Health and Welfare at Work (Construction) Regulation 2013 (hereafter referred to as "the Regulations").

This Plan relates to the MDA Car Park Development.

The Contractor appointed to construct the Scheme ('the Contractor') will undertake the duties of Project Supervisor for Construction Stage (PSCS) as set out in Articles 16 to 22 of the Regulations. It will be a requirement of the award of the Contract that the Contractor demonstrates his competence to carry out the role of PSCS. The appointment of the Contractor as PSCS will be separate to, and independent of, the Works Contract.

The information contained in this Preliminary Safety and Health Plan has been prepared prior to the commencement of work on the site. It does not take account of any matters or information which may come to light after that time.

All work must be conducted in accordance with current legislation and good practice.

It shall be the responsibility of the PSCS to develop this Preliminary Safety & Health Plan into the Construction Stage Safety & Health Plan before starting work on this project. A copy of the Construction Phase Safety & Health Plan must be submitted to the Client and the PSDP prior to commencing any works on site.

2. DESCRIPTION OF PROJECT

2.1 Description of Project

The proposed development comprises of the re-development of the car park within the business park. This includes site clearance, drainage, ducting and construction of new pavements and footways.

Designer	Drawings, Specifications and Schedules		
	Type	Ref	Title
Kilgallen & Partners	DR	26049-DR-0101	General Layout, Typical Cross Sections & Lands Made Available by the Employer
	DR	26049-DR-0201	Site Clearance
	DR	26049-DR-0501	Drainage & Services – General Layout
	DR	26049-DR-0502	Drainage & Services – Construction Details
	DR	26049-DR-0601	Bulk Earthworks – Existing Ground to Sub-Formation Level
	DR	26049-DR-0701	Pavements, Kerbs & Footways – General Layout
	DR	26049-DR-0702	Pavements, Kerbs & Footways – Construction Details
	DR	26049-DR-1201	Traffic Signs & Roadmarkings – General Layout

Table 2.1 Schedule of relevant Drawings and Specifications

2.2 Site location

The site is located in the Mountmellick Business Park situated in Mountmellick, Co. Laois.

- The site is bounded to the north by residential properties and fallow green space;
- The site is bounded to the south by the River Owenass;
- The site is bounded to the east by agricultural land;
- The site is bounded to the west by the N80 National Secondary Road

2.3 Timescale for completion

The project is estimated to take 20 weeks to complete.

The Project Schedule should in no way affect the Safety, Health and Welfare of those persons involved in the project to meet its requirements. The Project Supervisor for the Construction Stage is expected to advise whether this timescale is achievable with respect to Health, Safety and Welfare considerations and the resources allocated to the project.

2.4 Extent and location of existing records and plans

There are no existing Safety Files.

2.5 Arrangements for Communicating with Designers, PSCS and Others as Appropriate

In accordance with Regulation 21, the PSCS shall coordinate arrangements among contractors to ensure the provision of relevant information, in writing, necessary for the PSDP to complete the safety file, monitor the implementation of these arrangements and take any necessary corrective action, as set out in Regulation 20.

The PSCS shall provide in writing to the PSDP all relevant information necessary for the completion of the safety file referred to in Regulation 13.

2.6 Details of Project Team

Role		Name	Contact Details
Client		Mountmellick Development Association	Paddy Buggy (paddymdaltd@gmail.com)
Designers	Civil	Kilgallen & Partners Consulting Engineers	Andrew Cantwell (acantwell@kilgallen.ie)
PSDP		Kilgallen & Partners Consulting Engineers	Andrew Cantwell (acantwell@kilgallen.ie)
PSCS		TBC	
Contractor		TBC	
Temporary Works Designers			

Table 2.2 Project Team

3. CLIENT'S CONSIDERATIONS AND MANAGEMENT REQUIREMENTS

3.1 Structure and Organisation

The implementation of the Regulations will be the responsibility of the Project Team, as described in Paragraph 2.4, in accordance with the duties and responsibilities assigned to each team member by the Regulations, together with the Safety Officer and the Site Safety Representative.

The Safety Officer is the person(s) appointed in accordance with Regulation 26 of the Regulations to advise the contractor(s) as to the observance of statutory requirements, to exercise a general supervision of the observance of the statutory requirements, and to promote the safe conduct of work generally.

The Site Safety Representative is the person appointed / elected in accordance with Regulation 23 of the Regulations who may obtain safety information from the PSCS, make representations to the PSCS or contractor(s) on site, investigate accidents & dangerous occurrences, make representations to Inspectors from the Health and Safety Authority (HSA), carry out safety inspections, investigate potential hazards and complaints, and accompany HSA inspectors whilst they are on site.

3.2 Safety Objectives for the Project

It is the intention of the Client that the project be constructed in such a way that the risk to health and safety of all persons engaged in or affected by the works are eliminated or reduced to an acceptable level under current health and safety legislation.

This Safety and Health Plan has been prepared in accordance with the Regulations and seeks to ensure that the Project is managed and constructed in a safe manner and complies with current legislation.

It will be the responsibility of the PSCS to develop the Preliminary Safety & Health Plan into a Health and Safety Plan for the Construction Stage. The PSCS will also be responsible for monitoring the implementation of the Plan during the construction stage.

3.3 Arrangements for Monitoring and Review

Details of construction hazards, hazardous materials, and hazardous work methods or sequences which remain after the design process and which pose a particular risk to persons during the construction stage are documented in Section 5.

Specific construction methods or sequences envisaged by Designers during the Design Process and which, in the opinion of the designer(s), are not reasonably discernible from the documents listed in Appendix A or are outside the normal scope of a competent contractor in the context of the proposed works, are identified in Section 5.1.

Where additional risks that affect construction works on the project are notified to the PSDP, the PSDP shall forward these to the PSCS for inclusion in the (Construction Phase) Safety & Health Plan.

The PSCS must inform the PSDP in advance of any design work that is to be carried out by the Contractor's Designers (or sub-contractor's Designers as appropriate). The PSCS shall ensure that such design is prepared in accordance with Regulation 15 of the Regulations. The Designer of such works shall carry out risk assessments and forward these, together with any other information arising from their design which is relevant to Health and Safety, to the PSDP for review and comment in advance of any decision to proceed with the related construction work.

All temporary works designers shall complete and forward to the PSDP a Temporary Works Certificate for their elements of the works (refer to the HSA Guidelines to the Construction Regulations 2013).

Prior to the execution of any permanent or temporary works, the PSCS must ensure that he is made aware of:

- any unforeseen circumstances that arise which may have implications for Health and Safety;
- any proposals by the Contractor for significant changes to the Works;
- any proposals to deviate from any element of the Preliminary Safety and Health Plan.

The PSCS must notify the PSDP immediately upon becoming aware of or receiving any notification of such events, and the PSCS must provide the PSDP with sufficient detail to allow the PSDP to co-ordinate with the relevant designers for the purpose of assessing the implications of the event(s) and the PSCS must await the PSDP's approval or otherwise to any proposed changes.

Recommended arrangements for liaison between parties are described in Paragraph 3.8.

3.4 Permits and Authorisation Requirements

Visitors should not be allowed to enter works areas without the prior authorisation of the Contractor.

3.5 Emergency Procedures

The PSCS will be responsible for ensuring the development of emergency procedures to deal with any accidents that may occur on the site.

3.6 Site Rules and Other Restrictions on Contractors, Suppliers and Others

The PSCS shall ensure that the following restrictions will be enforced:

Personnel

- (i) All personnel or visitors to works areas must wear the correct personal protective equipment.
- (ii) All personnel must receive a site safety induction from the PSCS before starting work.
- (iii) All personnel or visitors must sign in at a designated security point on entering a works area and sign out upon exit.
- (iv) Personnel must not work alone on the site at any time.

Security Arrangements

The Contractor shall ensure that the Works are secure at all times.

3.7 Activities on or Adjacent to the Site During the Works

The site is located within an existing live business park where access to all premises must be maintained throughout the works. This includes a childcare facility.

3.8 Arrangements for Communications with the Project Team

Liaison within the Project Team will be carried out on an ongoing basis through regular project meetings attended by all parties. Specific Health and Safety issues which may have arisen, including but not limited to design changes, control measures, unsafe practices, incidents and accidents, amendments to the Safety and

Health Plan and information for the Safety and Health File, together with ongoing implementation of the Health and Safety at Work (Construction) Regulations will be on the agenda of each meeting.

3.9 Safety File

The PSDP is responsible for ensuring that all relevant information relating to future construction works or future maintenance works within this project is included in the Safety File.

The PSCS must ensure that all information relevant to the Safety File is forwarded to the Project Supervisor Design Process within 4 weeks of practical completion of the project.

3.10 Notification to the Health and Safety Authority

On appointment, it will be the responsibility of the PSCS to notify the Health & Safety Authority of the commencement of Works as required in the Regulations.

It shall also be the duty of the PSCS to clearly display, and periodically update the particulars required to be in any notice under Article 22 of the Regulations.

4. ENVIRONMENTAL RESTRICTIONS AND EXISTING ON-SITE RISKS

4.1 Adjacent Land uses

The site is located within an existing business park.

4.2 Access to the Site

Access to the site will be from the N80 National Secondary Road.

4.3 Traffic Movements within the Site

The PSCS shall ensure that a comprehensive Traffic Management Plan (TMP) is implemented for each and every phase of the Works.

The TMP shall also take into account the requirements for Traffic Safety and Management contained in the Works Requirements.

4.4 Existing Services

Records of existing site services are enclosed with this Plan.

4.5 Existing Storage of Hazardous materials

There are no known hazardous materials on the site.

4.6 Existing Structures

The Project does not require works that could compromise existing structures.

4.7 Contaminated Land

While it is not expected that contaminated soils will be encountered during the Works, the PSCS must implement a system which ensures that he/she is notified should excavation reveal evidence of previously disturbed ground and which determines whether or not the disturbed ground is free of contamination.

4.8 Ground Conditions

The works do not require substantial excavation / works in existing ground and so it is not expected that ground conditions will affect the Project.

5. PARTICULAR RISKS, CONTROL MEASURES AND ARRANGEMENTS FOR COORDINATION

5.1 Works which will involve Particular Risks to the Safety, Health and Welfare of Persons which may not be obvious to a competent Contractor

Refer to Table 5.1.

5.2 Other Control Measures

The PSCS will be responsible for ensuring that measures to control risks will be identified in the Safety and Health Plan together with systems to ensure the implementation and monitoring of the control measures. It is envisaged by the PSDP that, in addition to the items identified in Section 5.1 for which control measures are required, the following non-exhaustive list of control measures will be expanded on and detailed by the PSCS:

- (i) Implementation of emergency procedures, Site rules and Site restrictions;
- (ii) Standard and proof of training certificates for all personnel operating mobile plant and specialist equipment;
- (iii) Arrangements for ensuring that all personnel engaged in the construction of the Works have received adequate training in Health, Safety and Welfare at Work;
- (iv) Development of procedures and method statements for dealing with the risks identified herein and for all other elements of the works;
- (v) Protective measures required for personnel dealing with or otherwise at risk of exposure to substances which may be hazardous to Health or Safety;
- (vi) Proposals for monitoring the ongoing implementation of the Safety and Health Plan;
- (vii) Arrangements for continued liaison with the Project Team and for communicating with the Project Team in the event of unforeseen circumstances or design changes which have implications for Health and Safety;

5.3 Arrangements for Co-ordination of Ongoing Design Work and Handling Design Changes

The PSCS must include in the Safety and Health Plan proposals for the ongoing monitoring of health and safety management during the project.

Certain additional risks may arise during the construction phases which were not foreseen at this preliminary stage, specific to the particular work methods and weather / other conditions obtaining at the time. Control measures for such risks will be determined by the PSCS in consultation with relevant contractors responsible for the specific work and the Safety & Health Plan will be further developed accordingly.

It is envisaged by the PSDP that the following Health and Safety issues arising during the construction stage will be regularly addressed at periodic site meetings and / or more frequently when necessary:

- Design changes;
- Control measures;
- Unsafe practices, incidents and accidents
- Amendments to the Safety and Health Plan
- Information for the Safety and Health File.

(i)	Work which put persons at risk of falling from a height, burial under earthfalls or 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.		
	Works	Designer	Design Assumption / Control Measure
	Drainage Works	Kilgallen & Partners	Excavations to depths of 3.0m approx. will be required for the excavation of the attenuation system. Excavations should be adequately benched back or suitably supported in order to protect operatives from possible collapse and engulfment. Excavations to a depth greater than 1.2m will be required for the construction of manholes, drains, services infiltration areas and pad foundations. Excavations should be adequately benched back to a minimum of 45 degrees or suitably supported in order to protect operatives from possible collapse and engulfment. No personnel should enter any trench unless the sides have been battered adequately or suitable trench support provided. Contractor should provide safe access and egress to excavation works. Contractor to erect full permanent exclusion barriers to all excavations. Contractor to provide RAMS for excavation works.
(ii)	Works which put persons 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.		
	Works	Designer	Design Assumption / Control Measure
	None		
(iii)	Work with ionising radiation requiring the designation of controlled or supervised areas as defined in Article 20 of directive 80/836/Euroatom.		
	Works	Designer	Design Assumption / Control Measure
	None		

Table 5.1

Works which will involve Particular Risks to the Safety, Health and Welfare of Persons which may not be obvious to a competent Contractor

(iv)	Work near high voltage power lines.		
	Works	Designer	Design Assumption / Control Measure
	None		
(v)	Work exposing persons to risk of drowning.		
	Works	Designer	Design Assumption / Control Measure
	All works	Civil	The Site adjoins the Owenass River. The PSCS must ensure a method statement is in place to protect against vehicles or personnel accidentally entering the Owenass from the Site.
(vi)	Work on wells, underground earthwork or tunnels.		
	Works	Designer	Design Assumption / Control Measure
	None		

Table 5.1

Works which will involve Particular Risks to the Safety, Health and Welfare of Persons which may not be obvious to a competent Contractor
(continued)

(vii)	Work carried out by divers at work having a system of air supply.		
	Works	Designer	Design Assumption / Control Measure
(viii)	Work carried in a caisson with a compressed air atmosphere.		
	Works	Designer	Design Assumption / Control Measure
(ix)	Work involving the use of explosives.		
	Works	Designer	Design Assumption / Control Measure
(x)	Work involving the assembly or dismantling of heavy prefabricated components.		
	Works	Designer	Design Assumption / Control Measure

Table 5.1

Works which will involve Particular Risks to the Safety, Health and Welfare of Persons which may not be obvious to a competent Contractor
(continued)

(xi)	Works which put persons at risk from interface with non-construction personnel		
	Works	Designer	Design Assumption / Control Measure
	New Car Park Construction	Kilgallen & Partners	Works take place within a live business park. The Contractor is to implement an appropriate traffic management plan to mitigate the with site activities and provide advance notification to pedestrians and road users. Adequate sightlines must be maintained at all access points and junctions to ensure clear visibility for plant operators and drivers entering and exiting the site.

Table 5.1 Works which will involve Particular Risks to the Safety, Health and Welfare of Persons which may not be obvious to a competent Contractor (*continued*)