

**For: Portal Asset Holdings Ltd.  
Port Road, Killarney**

## Proposed Residential Development



## Stage 1 Road Safety Audit

**April 2024**



**MHL & Associates Ltd.**  
**Consulting Engineers**



## Document Control Sheet

<b>Client</b>	Portal Asset Holdings Ltd.
<b>Project Title</b>	Proposed Residential Development at Port Road, Killarney, Co. Kerry
<b>Document Title</b>	Road Safety Audit – Stage 1
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## 1. INTRODUCTION

This report was prepared as part an LRD application for Portal Asset Holdings Ltd. intend to apply for planning permission for a Large-Scale Residential Development (LRD) at Port Road and St Margaret’s Road, Coollegrean, Inch, Knockreer, Ardnamweely, Derreen (townlands), Killarney, Co. Kerry.

Portal Asset Holdings Ltd. intend to apply for planning permission for a Large-Scale Residential Development (LRD) at Port Road and St Margaret’s Road, Coollegrean, Inch, Knockreer, Ardnamweely, Derreen (townlands), Killarney, Co. Kerry.

The proposed development will consist of 224 no. units comprising 76 no. two storey houses (8 no. 2 bed units, 38 no. 3 bed units and 30 no 4 bed units), 52 no. duplexes over 3 no. storeys (14 no. 1 bed units, 26 no. 2 bed units and 12 no. 3 bed units) and 96 no. apartments in 3 no. 4 no. storey buildings (16 no. 1 bed units and 80 no. 2 bed units), and a 2 no. storey creche (334 sq. m). Ancillary site works include public and communal open spaces, hard and soft landscaping, the relocation/undergrounding of ESB powerlines, wastewater infrastructure including foul pumping station, surface water attenuation, water utility services, public lighting, bin stores, bicycle stores, ESB substation, and all associated site development works.

Vehicular access to the development will be via a new entrance from Port Road. The proposed development includes upgrade works to Port Road, a pedestrian connection to Millwood Estate, and improvements to the stormwater network on St. Margaret’s Road, as part of enabling infrastructure for the project.

The Audit Team consists of Brian Loughrey of MHL Consulting Engineers (team leader) and Ken Manley (team member) of MHL Consulting Engineers. The team made a site visit during daylight on Thursday 19<sup>th</sup> October 2017, Wednesday 1<sup>st</sup> May 2019 and Friday 24<sup>th</sup> September 2021, the weather was dry at the time of all three visits.

Information provided to assist the Audit consists of the drawings and documents listed in Appendix B. The information provided was adequate in terms of detail for the purpose of carrying out a stage 1 road safety audit.

No previous road safety audit reports were provided in relation to the local road network.

No specific road accident data was provided to the audit team. The auditors reviewed the RSA Road Accident Records, in the vicinity of the applicant site. One minor traffic accidents was reported between 2005 and 2016 (inclusive) in the vicinity. This minor accident was a Rear end straight type collision involving a goods vehicle. Refer to Appendix C for further details.

The Audit has been carried out in accordance with the relevant sections of TII Publication GE-STY-01024 (formerly NRA HD 19/15), “Road Safety Audit”. The scheme has not been examined or verified for compliance with any other standards or criteria. The team walked the site road boundary and compiled a list of road safety problems and associated recommendations which are presented in this report.

An Audit Team Statement is included at the end of the Report.

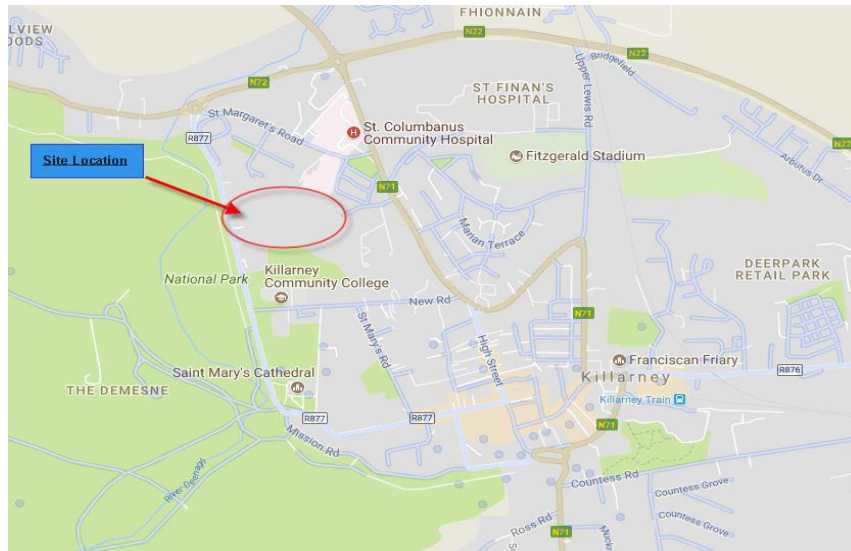


Figure 1 – Site Location Map



Figure 2 – Site Extents





**Figure 3 –Proposed Site Layout Plan**

## 2. AUDIT ISSUES

### 2.1. Problem: Visibility at main entry/exit junction on Port Road

The proposed layout drawing does not show the visibility splays at the proposed new access T-Junction onto the R588. Failure to provide adequate sightlines may result in side impact collisions. (Photos 1 and 2)

#### **Recommendation 1**

Provide adequate visibility splays at all junctions, in accordance with the relevant standards.

### 2.2. Problem: No Tactile Paving/Dropped Kerbs Shown

No tactile paving dropped kerbs or raised entry treatment are shown at the entrance's road into the development or within the development. Failure to provide appropriate crossing point and tactile paving may lead to pedestrians and visually impaired users misinterpreting priority at junctions resulting in collisions with entering and exiting vehicles.

#### **Recommendation 2**

Provide the appropriate tactile paving and drop kerb or raised entry treatment at all pedestrian crossings in accordance with the relevant guidelines and standards.

### 2.3. Problem: No Public Lighting Shown

No details have been provided of any proposed lighting scheme for the junction with the N71 or internally within the proposed development. Failure to provide adequate public lighting presents security issues for visitors as well as being a road safety hazard for pedestrians falling at night or not being seen by passing vehicles. A night visit was also carried out and it was noted that the Existing Street Light Poles on the Port Road were in operation. (Photo 3)

#### **Recommendation 3**

Ensure an adequately designed lighting scheme is provided for the new development and at its proposed access junction and is designed to the appropriate standards. Care should also be taken to incorporate the existing Public Lighting on the N71 (Port Road) into the design.

### 2.4. Problem: Signing and Lining at Junction

No details have been provided of any proposed Signing and Lining for the junction with the N71. Failure to provide adequate Signing and Lining at the junction may lead to vehicles leaving the development failing to stop at the junction and may result in side impact collisions.

#### **Recommendation 4**

Provide adequate Signing and Lining at all junctions, in accordance with the relevant standards.

## **2.5. Problem: Surface Water Collection at junction with Port Road**

No surface water collection infrastructure is shown on the proposed development site layout drawing provided to the audit team. Failure to install suitable surface water services along the roads may lead to excessive water along the road edge and potentially result in icy surfaces, leading to collisions between vehicles travelling in opposing directions.

### **Recommendation 5**

Install surface water collection infrastructure in accordance with appropriate design standards.

## **2.6. Problem: Lack of Pedestrian Crossing on Port Road**

To provide connectivity from the proposed development to the National Park, currently pedestrians and cyclists will have to travel southwards along the existing footpath and use the existing controlled crossing approximately 450m away. Pedestrians and cyclist may try to cross port road at the development entrance and come into conflict with vehicles on the public road as they have to walk on the carriageway to use the pedestrian/cyclist access point into the National park approximately 100m to the North. There is a potential for vehicle/pedestrian type collisions. Refer to Photo 5 below.

### **Recommendation 6**

Provide a pedestrian crossing facility from the proposed new Development to the existing footpath on the western side of the road in order to provide proper connectivity for pedestrians and cyclists. The ideal position would be south of entrance, but the location should be agreed with Kerry County Council and TII. The pedestrian crossing should be designed and installed in accordance with the relevant standards.



### 3. AUDIT TEAM STATEMENT

We certify that we have examined the drawings and documents listed in the Appendix to this Report. The examination has been carried out with the sole purpose of identifying any features of the design that could be removed or modified in order to improve the safety of the scheme. The problems identified have been noted in this report, together with associated safety improvement suggestions, which we recommend should be studied for implementation. The Auditors have not been involved with the scheme design.

Mr Brian Loughrey BE CEng MIEI

Signed : Brian Loughrey

Date : 15/04/2024

Mr Ken Manley, BE, CEng MIEI

Signed : Ken Manley

Date : 15/04/2024

## 4. APPENDIX A- SITE PHOTOGRAPHS

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**Photo 1: Existing Visibility to RHS**



**Photo 2: Existing Visibility to LHS**





**Photo 3: Existing Public Lighting on N71 (Port Road)**



**Photo 4: Existing Footpath along Eastern side on N71 (Port Road)**





**Photo 5: Existing Pedestrian/Cyclist Entrance into National Park**

## 5. APPENDIX B- DRAWINGS SUBMITTED FOR INFORMATION

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## 1 DRAWINGS AND DOCUMENTS SUBMITTED FOR INFORMATION

By Deady Gahan Architects

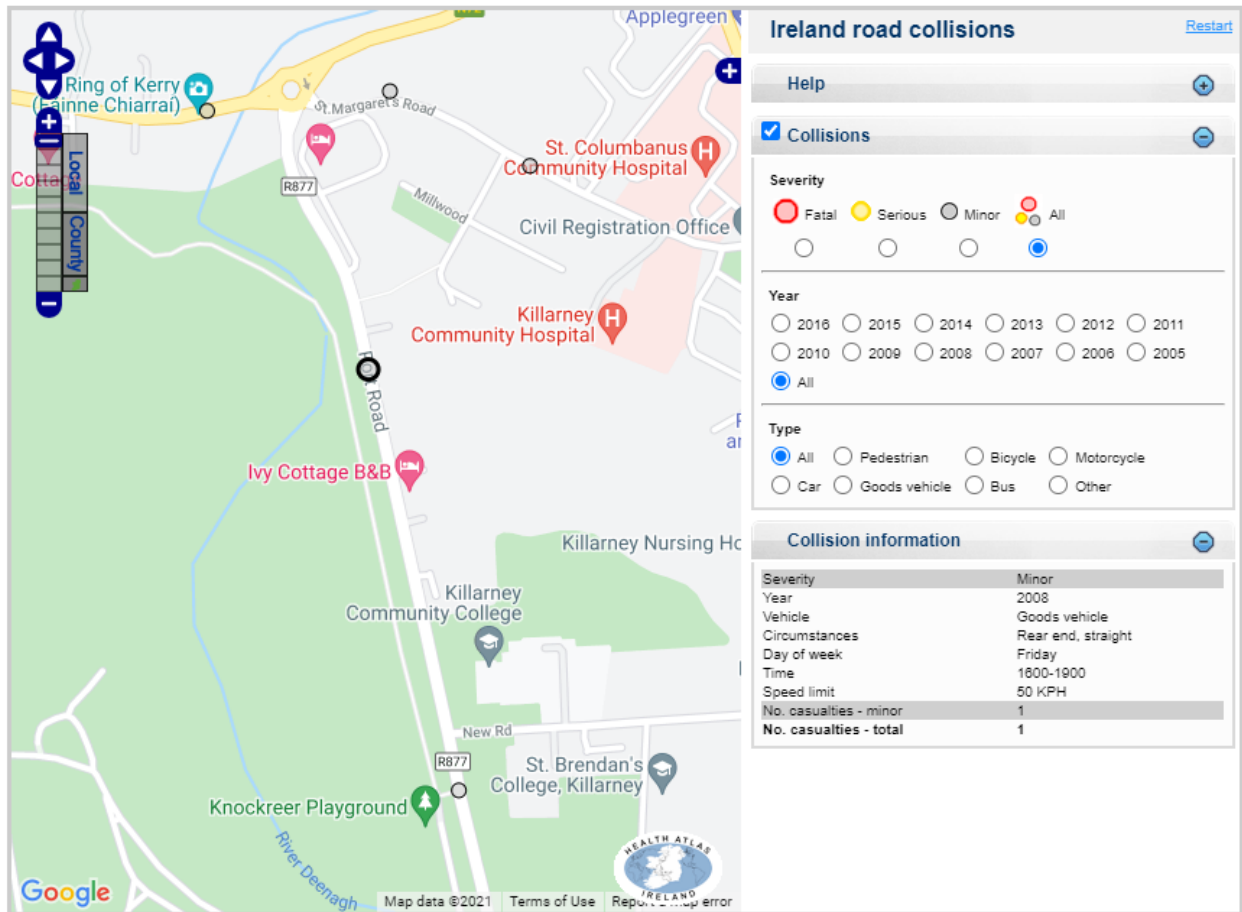
Mixed Use Development at Port Road, Killarney

<b>Drawing No.</b>	<b>Drawing Title</b>	<b>Scale</b>	<b>Date</b>
21085-SK-003	Proposed Residential Development	1:1000 @ A2	24.09.2021

## 6. APPENDIX C- RSA COLLISION STATISTICS

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**RSA Collision Statistics for Site Location**

## 7. APPENDIX D- RSA FEEDBACK FORM

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# Road Safety Audit Feedback Form

**Scheme:** Proposed Development at Port Road, Killarney

**Audit Stage:** 1

**Date Audit Completed:** 24/09/2021

	To be completed by the Designer			To be Completed by Audit Team Leader
Paragraph No. in Safety Audit Report	Problem accepted (yes/no)	Recommended measure accepted (yes/no)	Describe alternative measure(s). Give reasons for not accepting recommended measure. Only complete if recommended measure is not accepted	Alternative measures or reasons accepted by auditors (yes/no)
2.1	Y	Y	See drawing PR-MHL-VS-D01 which presents the available visibility splays at the proposed entrance.	
2.2	Y	Y	See drawing PR-MHL-VS-D01 which presents the proposed tactile paving at the proposed entrance.	
2.3	Y	Y	See Public Lighting Design Report (Ref: 18137HD-MHL-Doc07-LD-Rev07_Lighting Report) and associated drawing.	
2.4	Y	Y	See drawing PR-MHL-VS-D01 which presents the appropriate signage and road markings at the proposed entrance.	
2.5	Y	Y	See drawings PR-MHL-PSS-P01 to PR-MHL-PSS-P07 which presents the proposed surface water design proposals, including a proposed surface water sewer to the proposed entrance junction.	
2.6	Y	Y	See drawings PR-MHL-VS-D01, PR-MHL-SF-P01 and PR-MHL-SF-P02 which present details of proposed works on Port Road, including a proposed pedestrian crossing.	

Signed:  Designer Date 15/04/2024

Signed:  Audit Team Leader Date 15/04/2024

Signed:  Employer Date 15/04/2024



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