

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

PROPOSED RESIDENTIAL DEVELOPMENT



Internal DMURS Road Safety Audit

April 2024



MHL & Associates Ltd.
Consulting Engineers



Document Control Sheet

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1. INTRODUCTION

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.

This audit considers the vulnerable road users within the development. The internal road safety audit section has been prepared in accordance with Section 5.4.1 of the Design Manual for Urban Roads and Streets (DMURS) and with reference to Circular Letter PL 6/2014.

The Audit Team consists of Brian Loughrey (team leader) and Ken Manley (team member) of MHL Consulting Engineers.

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

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", Section 5.4.1 of the Design Manual for Urban Roads and Streets (DMURS) and with reference to Circular Letter PL 6/2014. The scheme has not been examined or verified for compliance with any other standards or criteria.

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

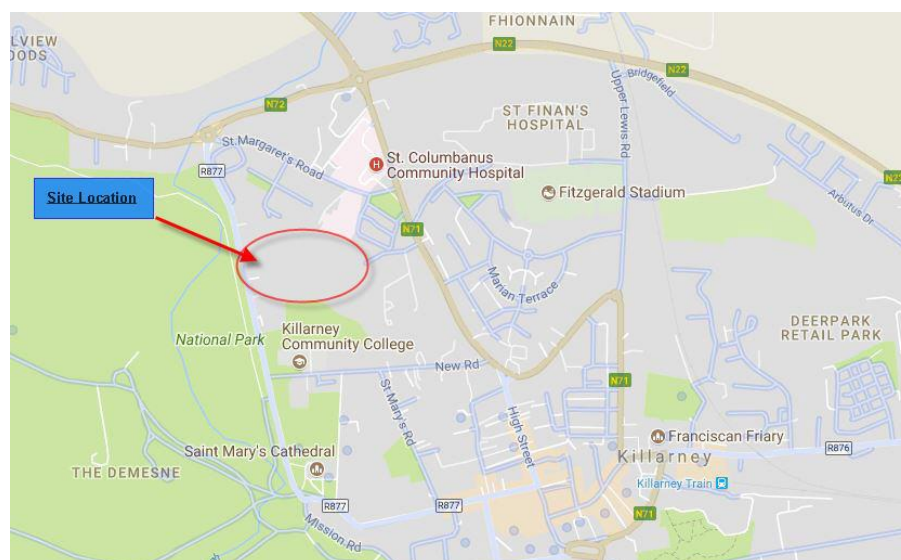


Figure 1 – Site Location Map



Figure 2 – Site Location



Figure 3 –Proposed Interim Site Layout

2. AUDIT ISSUES

2.1. Problem: Potential for high vehicular speeds

The proposed layout presents an excessively straight downhill section of road along the main spine road. This layout may lead to higher vehicular speeds within the development. This could lead to collisions between vehicles and vulnerable road users within the development.

Recommendation 1

Provide physical speed control measures throughout the estate roads, particularly in the vicinity of junctions, pedestrian crossings and green areas. By providing the appropriate signs at these locations in conjunction with physical measures, this will give the perception of a shared space with pedestrian priority. All Traffic Calming measures should be designed as detailed in the Design Manual for Urban Road and Streets (DMURS)

2.2. Problem: No Tactile Paving/Dropped Kerbs Shown

No tactile paving, dropped kerbs or raised entry treatment are shown 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 vehicles.

Recommendation 2

Provide the appropriate tactile paving and drop kerbs 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 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.

Recommendation 3

Ensure an adequately designed lighting scheme is provided for the development and is designed to the appropriate standards.

2.4. Problem: No Vehicle Tracking provided

No details have been provided of vehicle tracking within the development were provided to the audit team. Failure to provide adequate tracking road geometry within the development may lead to improper and excessive vehicle manoeuvres.

Recommendation 4

Carry out appropriate vehicle tracking assessment of the internal road carriageway network.

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

Appendix A – Drawings Submitted for Information

DRAWINGS AND DOCUMENTS SUBMITTED FOR INFORMATION

By Deady Gahan Architects

Mixed Use Development at Avenue, Park Road, Killarney

Drawing No.	Drawing Title	Scale
21085-SK-	Proposed Residential Development	1:1000 @ A2

Appendix B – 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	Yes	Yes	See drawing PR-MHL-IR-P01 to PR-MHL-IR-P07 which presents the appropriate traffic calming measures. See also BSM detailed drawings.	
2.2	Yes	Yes	See drawing PR-MHL-IR-P01 to PR-MHL-IR-P07 which presents the appropriate crossing details.	
2.3	Yes	Yes	See Public Lighting Design Report (Ref: 18137HD-MHL-Doc07-LD-Rev07_Lighting Report) and associated drawing.	
2.4	Yes	Yes	See drawing PR-MHL-AT-P01 and PR-MHL-AT-P02 which presents the appropriate signage and road markings at the proposed entrance.	

Signed:  Designer Date 15/04/2024

Signed:  Audit Team Leader Date 15/04/2024

Signed:  Employer Date 15/04/2024



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