

Killowen, Kenmare, Co. Kerry

Proposed Large Residential Development



Stage 1 Road Safety Audit

August 2026



MHL & Associates Ltd.
Consulting Engineer



Document Control Sheet

Client	KPH Construction
Project Title	Proposed LRD Killowen, Kenmare, Co. Kerry
Document Title	Report for Stage 1 – Road Safety Audit
Job No.	25067TT
Document No.	25067TT-Doc01

Revision	Status	Author	Reviewed By	Approved By	Date
	Internal Draft	R.O'NEILL	J Daly	-	23/03/2026
	External Draft	R.O'NEILL	J Daly	-	07/04/2026
02	LRD Draft Submission	R.O'NEILL	J Daly	-	07/08/2026

M.H.L. & Associates Ltd.
Consulting Engineers

Unit 1B,
The Atrium,
Blackpool,
Cork.

Tel 021-4840214 Fax: 021-4840215

E-Mail: info@mhl.ie

Contents

1.	INTRODUCTION	4
2.	AUDIT ISSUES – STAGE 2 SUBMISSION LAYOUT	8
2.1.	PROBLEM: SWEPT PATH AT TURNING AREAS	8
2.2.	PROBLEM: LACK OF ROAD DRAINAGE PROPOSALS	8
2.3.	PROBLEM: EXISTING ROAD MARKING ON PAT SCARTEEN RD	8
2.4.	PROBLEM: VULNERABLE ROAD USER CROSSING FACILITY AT THE DEVELOPMENT ENTRANCE	9
3.	AUDIT TEAM STATEMENT	10
	APPENDIX A – SITE PHOTOGRAPHS	11
	APPENDIX B – DRAWINGS & DOCUMENTS SUBMITTED FOR INFORMATION	15
	APPENDIX C - RSA COLLISION MAP DATA	18
	APPENDIX D - RSA FEEDBACK FORM	20

1. INTRODUCTION

M.H.L. & Associates Ltd. Consulting Engineers has been engaged by KPH Construction to prepare a Stage 1 Road Safety Audit (RSA) the LRD at Killowen in Kenmare, Co. Kerry. This Stage 1 Road Safety Audit (RSA) to support an LRD planning application to Kerry County Council.

The proposed development includes the demolition of 2 no. existing single-storey sheds and the construction of 100 no. residential units comprising 30 no. 1-bed units; 30 no. 2-bed units; and 40 no. 3-bed houses, with ancillary landscaping and associated site development works. The development makes provision for 40 no. two-storey houses, comprising 36 no. semi-detached 3 bed units and 4 no. 3 bed mid-terraced units and 60 no. own-door maisonette/apartment units over 2 no. storeys (30 no. 1 bed units, 30 no. 2 bed units).

Vehicular access to the development will be via an upgraded and relocated entrance off the Pat Scarteen Road, with proposed upgrades including amendments to the existing shared pedestrian/cycle path and modifications to the signing and lining on the public road. The proposed development also provides for separate pedestrian/cycle entrances off Pat Scarteen Road and includes dedicated pedestrian and cycling paths traversing the site.

Ancillary infrastructure development works will include wastewater infrastructure, a pumping station, surface water attenuation, water utility services, public lighting, bin stores, bicycle stores, ESB substations, landscaping and all associated site development works.

The site will be served by a single vehicular access point within the 50kph speed control of Kenmare Urban Area. This audit considers the development connection point with the existing road infrastructure and the proposed layout of internal road network.

See Figure 1.1 Site Location Map. Figure 1.2 shows the site extents on aerial photography and Figure 1.3 shows the site layout for the proposed junction alterations.

The Audit Team consists of Brian Loughrey (team leader, TII Ref No. **BL68284**) and James Daly (team member, TII Ref No. **JD1351495**) of MHL Consulting Engineers.

The team made a site visit on Friday 20th February 2026. The weather was dry at the time of the visit.

Following the Stage 2 LRD Submission and Kerry County Council Opinion, a re-audit of the scheme was undertaken by the Audit team of the revised elements. All the Problems identified in the Stage 2 LRD submission layout have been resolved in the revised site layout and no additional Road Safety Problems were identified in the re-audit.

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

No previous Road Safety Audit report was provided in relation to this development.

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 drove the local road network and walked the road along the site road boundaries and compiled a list of road safety problems and associated recommendations which are presented in this report.

Appendix A contains some photographs of the site.

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

Appendix C contains the RSA Collision Map Data.

Appendix D contains the Road Safety Audit Feedback Form.



Figure 1.1 – Site Location Map



Figure 1.2 – Site Extents



Figure 1.3 –Proposed Site Layout (Stage 2 Submission)

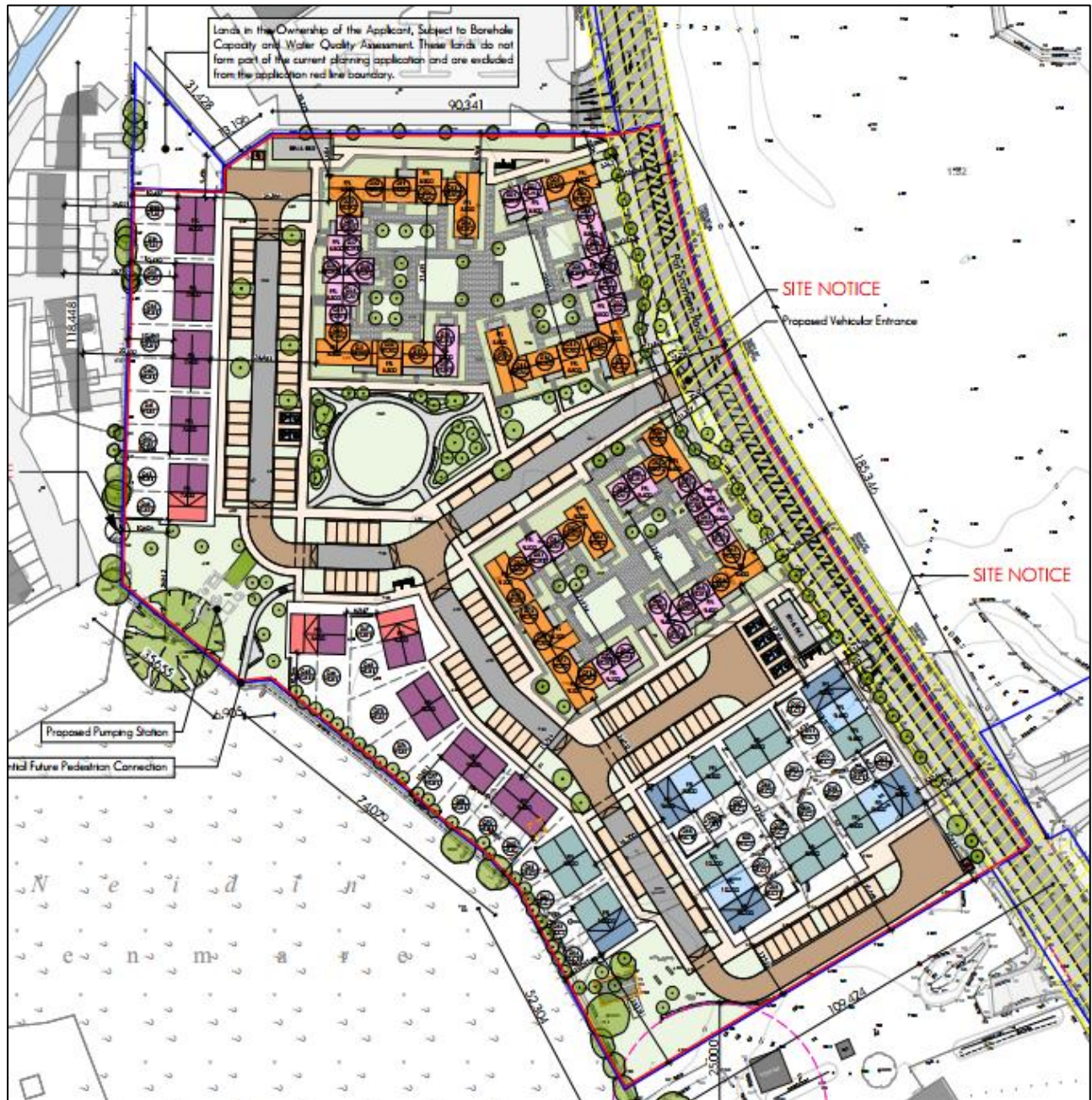


Figure 1.4 –Proposed Site Layout for re-audit

2. AUDIT ISSUES – STAGE 2 SUBMISSION LAYOUT

2.1. PROBLEM: SWEEP PATH AT TURNING AREAS

It appears to the audit team that the turning area shown in Fig 2.1 appears to be small in nature. If turning areas are not adequately sized, it may require HGV's to undertake multiple movements. This could lead to collisions between vehicles using the turning area.

Recommendation 1

The design team should ensure that a swept analysis of all turning areas are undertaken to ensure they are designed to meet the relevant standards.



Fig 2.1

2.2. PROBLEM: LACK OF ROAD DRAINAGE PROPOSALS

Road surface water drainage proposals were not clearly indicated on the drawings provided to the audit team. Lack of road surface drainage could lead to surface water ponding on the road carriageway. This could lead to collisions between vehicles or vehicles and pedestrians due to aquaplaning on water ponds following periods of heavy rainfall or icy road and footpath surface conditions during cold weather periods which could result in slip/fall accidents for pedestrians and cyclists.

Recommendation 2

Provide road a surface water drainage scheme for the development.

2.3. PROBLEM: EXISTING ROAD MARKING ON PAT SCARTEEN RD

The site layout issued to the audit team, shows that the proposed junction will be approximately 10m to the north of the existing field gate entrance. The existing road markings and subsequent right turn lane on Pat Scardeen Rd was laid out to accommodate this field gate position. If the existing road markings are retained when the development is operational, this could lead to confusion for the road users and head on type collisions between vehicles travelling along Pat Scardeen Rd.

Recommendation 3

The design team should ensure that the road markings on Pat Scardeen Rd at the proposed entrance are designed in accordance with relevant standards.

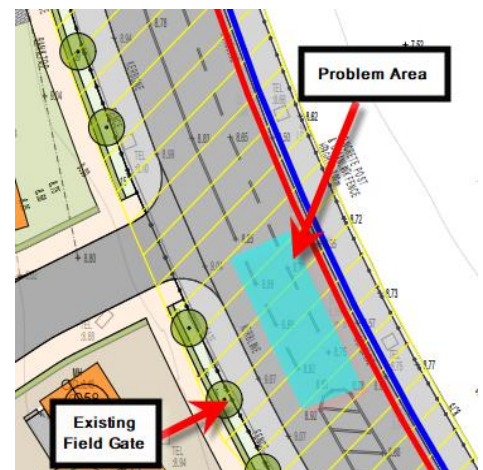


Fig 2.2

2.4. PROBLEM: VULNERABLE ROAD USER CROSSING FACILITY AT THE DEVELOPMENT ENTRANCE

The site layout shows two separate crossing facilities at the proposed development entrance. This includes the existing shared facility on Pat Scarteen Rd and the a new internal footpath crossing. Multiple crossing points at this location could lead confusion for all road users and to potential pedestrian/vehicle type collisions.

Recommendation 4

The design team to provide a revised junction layout incorporating a crossing facility designed in accordance with relevant standards.

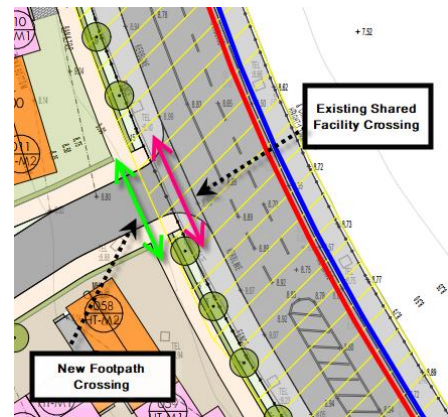


Fig 2.3

3. AUDIT TEAM STATEMENT

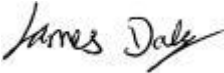
We certify that we have examined the drawings and documents listed in the Appendix to this Report. The examination has been carried out with the sole purpose of identifying any features of the design that could be removed or modified in order to improve the safety of the scheme. The problems identified 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: 
.....

Date: 06/08/2026

Mr James Daly, BEng CEng MIEI

Signed: 
.....

Date: 06/08/2026

APPENDIX A – SITE PHOTOGRAPHS



Photo A1: Pat Scardeen Road and proposed entrance at gate



Photo A2: Entrance to proposed LRD



Photo A3: Existing Public Lighting on Pat Scarteen Road



Photo A4: Existing Road marking on Pat Scarteen Road



Photo A5: Existing Road marking on Pat Scarteen Road

APPENDIX B – DRAWINGS & DOCUMENTS SUBMITTED FOR INFORMATION

Drawings AND DOCUMENTS submitted for information - Stage 2 Submission

DRAWINGS BY Meitheal Architects			
Ref.	Date	Drawing Title	Scale
241088-MA-SW-XX-DR-A-10006-P02	April 20 th 2026	Proposed Site layout Plan (Unit Typologies)	1:500
241088-MA-SW-XX-DR-A-10009-P01	March 31 st 2026	Proposed Site layout Plan (Bin and Bike Storage)	1:500
241088-MA-SW-XX-DR-A-10008-P01	March 31 st 2026	Proposed Site layout Plan (Parking Strategy)	1:500
241088-MA-SW-XX-DR-A-00006-P02	June 04 th 2025	Proposed Site layout Plan (Public Open Space)	1:1000
241088-MA-SW-XX-DR-A-00013-P08	April 10 th 2026	Proposed Site layout Plan (Unit Typologies)	1:500
241088-MA-SW-XX-DR-A-00004-P03	June 04 th 2025	Proposed Site layout Plan (Grey Roofs)	1:1000
241088-MA-SW-XX-DR-A-00005-P03	June 04 th 2025	Proposed Site layout Plan (Developable Area)	1:1000
241088-MA-SW-XX-DR-A-00003-P05	June 04 th 2025	Proposed Site layout Plan (Unit Typologies)	1:1000
DRAWINGS BY DKPartnership			
Ref.	Date	Drawing Title	Scale
ZZZOO-DKP-YYYY02-DR-XX-XX :1#	April 03 rd 2026	Public Lighting Installation	1:500

Drawings AND DOCUMENTS submitted for information - Stage 3 Submission

DRAWINGS BY Meitheal Architects			
Ref.	Date	Drawing Title	Scale
241088-MA-SW-XX-DR-A-10003-P04	August 2026	Existing Site layout Plan	1:1000
241088-MA-SW-XX-DR-A-10004-P04	August 2026	Existing Site layout Plan	1:1000
241088-MA-SW-XX-DR-A-10005-P03	August 2026	Proposed Site layout Plan (Roof))	1:500
241088-MA-SW-XX-DR-A-10006-P05	August 2026	Proposed Site layout Plan (Unit Typologies)	1:500
241088-MA-SW-XX-DR-A-10007-P04	August 2026	Proposed Site layout Plan (Public & Communal Open Space)	1:500
241088-MA-SW-XX-DR-A-10008-P03	August 2026	Proposed Site layout Plan (Parking Strategy)	1:500
241088-MA-SW-XX-DR-A-10009-P03	August 2026	Proposed Site layout Plan (Bin and Bike Storage)	1:500
241088-MA-SW-XX-DR-A-10016-P01	August 2026	Proposed Site layout Plan (Roads & Paths)	1:500
241088-MA-SW-XX-DR-A-00017-P01	August 2026	Proposed Site layout Plan (EV Parking Strategy)	1:1000

DRAWINGS BY DKPartnership			
Ref.	Date	Drawing Title	Scale
PO600-DKP-80201-DR-XX-XX	April 23 rd 2026	Overall Site Layout	1:500

DRAWINGS BY MWP			
Ref.	Date	Drawing Title	Scale
25631-00-DTM-DR-MWP-CE-0001	August 2026	SITE LOCATION MAP	AS Shown
25631-00-DTM-DR-MWP-CE-0050	August 2026	SWEPT PATH TRACKING-FIRE APPLIANCE-SHEET 1	AS Shown
25631-00-DTM-DR-MWP-CE-0051	August 2026	SWEPT PATH TRACKING-FIRE APPLIANCE-SHEET 2	AS Shown
25631-00-DTM-DR-MWP-CE-0052	August 2026	SWEPT PATH TRACKING-FIRE APPLIANCE-SHEET 3	AS Shown
25631-00-DTM-DR-MWP-CE-0060	August 2026	SWEPT PATH TRACKING-REFUSE VEHICLE-SHEET 1	AS Shown
25631-00-DTM-DR-MWP-CE-0061	August 2026	SWEPT PATH TRACKING-REFUSE VEHICLE-SHEET 2	AS Shown
25631-00-DTM-DR-MWP-CE-0062	August 2026	SWEPT PATH TRACKING-REFUSE VEHICLE-SHEET 3	AS Shown
25631-00-DTM-DR-MWP-CE-0100	August 2026	OVERALL SITE LAYOUT	AS Shown
25631-00-DTM-DR-MWP-CE-0120	August 2026	SIGHT LINES SECTION	AS Shown
25631-00-DTM-DR-MWP-CE-0130	August 2026	ROAD MARKING LAYOUT	AS Shown
25631-00-DTM-DR-MWP-CE-0400	August 2026	ROAD AND FOOTPATH DETAILS	AS Shown
25631-00-DTM-DR-MWP-CE-2109	August 2026	PROPOSED STORM DRAINAGE LAYOUT	AS Shown

APPENDIX C - RSA COLLISION MAP DATA

Search

County

All

Local Authority

All

Year

All

Collision Type

All

Collision Type

Collisions

Traffic Collision FATAL

1,287

Traffic Collision SERIOUS INJURY

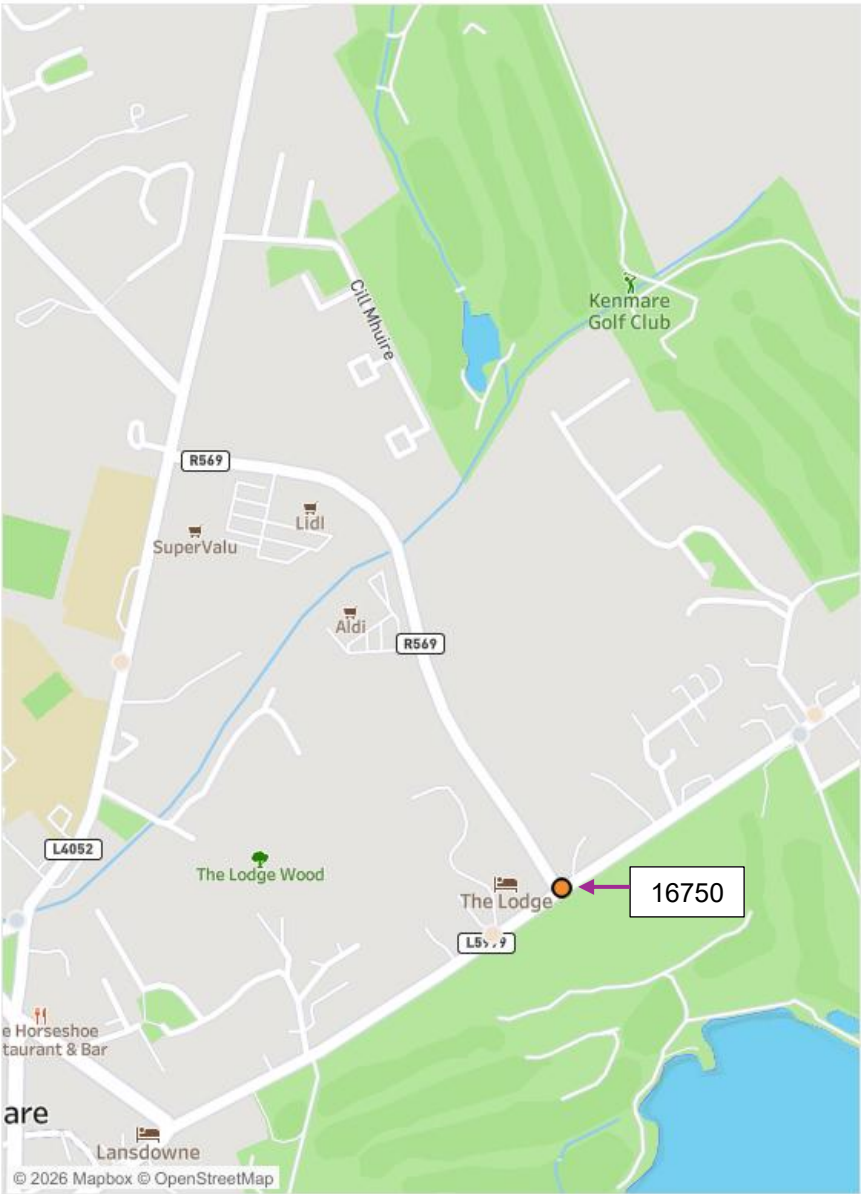
11,152

Traffic Collision NON SERIOUS INJURY

38,115

Data current as of 27/04/2026

* Collisions where coordinates are unknown are included in the counts of collisions shown in the table above but do not appear on the map.



Sheet 1	Sheet 1	Sheet 1	Sheet 1	Sheet 1
Display	ID	Incident Type	Local Authority	
Motorcyclist Minorly Injured: 1	16750	Traffic Collision NON SERIOUS INJURY	Kerry County Council	
Sheet 1	Sheet 1	Sheet 1	Sheet 1	Sheet 1
Time Band	County	Month of Year	Avg. Latitude	Avg. Longitude
12pm-3.59pm	Kerry	Oct 2018	51.8813	-9.57527

APPENDIX D - RSA FEEDBACK FORM

Road Safety Audit Feedback Form

Scheme: Proposed LRD Development, Kilowen, Kenmare, Co. Kerry

Audit Stage: 1

Date Audit Completed: 20/02/2026

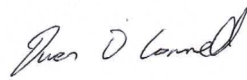
	To be completed by the Designer			To be Completed by Audit Team Leader
Paragraph No. in Safety Audit Report	Problem accepted (yes/no)	Recommended measure accepted (yes/no)	Describe alternative measure(s). Give reasons for not accepting recommended measure. Only complete if recommended measure is not accepted	Alternative measures or reasons accepted by auditors (yes/no)
2.1	Yes	Yes		
2.2	Yes	Yes		
2.3	Yes	Yes		
2.4	Yes	Yes		

Signed:  Designer

Date 06/08/26

Signed:  Audit Team Leader

Date 07/08/2026

Signed:  Employer

Date 07/08/26