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Appendix 12-1

Road Safety Report

Rinn Rua Hotel & Leisure Park, Co. Kerry

Proposed Tourism Development,
Reenroe, Ballinskelligs, Co. Kerry



Stage 1 & 2 Road Safety Audit

May 2024



MHL & Associates Ltd.
Consulting Engineers



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DOCUMENT CONTROL SHEET

Client	Rínn Rua Holiday Park Limited
Project Title	Proposed Tourism Development, Reenroe, Ballinskelligs, Co. Kerry
Document Title	Report for Stage 1 & 2 – Road Safety Audit
Job No.	23133RS
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	Internal Draft	J Daly	S Moriarty		06/12/2023
R01	Client Draft	J Daly	S Moriarty		18/12/2023
R02	Client Issue	J Daly	S Moriarty	B Loughrey	20/03/2024
R03	Final Issue	J Daly	S Moriarty	B Loughrey	09/05/2024

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1. INTRODUCTION

M.H.L. & Associates Ltd. Consulting Engineers have been engaged by Malachy Walsh & Partners on behalf of Rínn Rua Holiday Park Limited to prepare a Stage 1 & 2 Road Safety Audit (RSA) for the proposed Tourism Development at Reenroe, Ballinskelligs, Co. Kerry. This Stage 1 & 2 Road Safety Audit will be submitted as part of a planning application to Kerry County Council for the proposed Development.

The proposed development is located on the ground of the derelict Waterville Hotel in Reenroe, Ballinskelligs, Co. Kerry, on the shore of Reenroe beach.

This submission, on behalf of Rínn Rua Holiday Park Limited, seeks planning permission for the creation of a holiday park at the derelict Hotel site on the headland west of Reenroe beach. The proposal will involve restoration of the existing derelict hotel and expansion of the visitor offering to include holiday lodges, mobile homes, touring campervans, tent/caravan pitches, glamping pods and hobbit huts and all associated services, along with sensitive landscaping of the entire development area. The development proposal will also include visitor services including a shop, bar, restaurant, reception area, Leisure Centre, surf/water sports school and beach café. A habitat enhancement area is also proposed on the lands to the east of the site boundary which are also in the ownership of the applicant.

A full description of the proposed development access arrangements is provided in Chapter 2 of this EIAR.

The site is currently served by a singular access point from the local road. This local road also serves the public beach and a single dwelling house. It is proposed the new development will be served by 2 vehicular access roads and a dedicated pedestrian access to the south along the edge of the cliff. The proposed development also included the realignment of the junction of the local road and the R567. This audit considers the development access points onto the Local road, the upgraded local road and the realigned junction.

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**), James Daly (team member, TII Ref No. **JD1351495**) and Shane Moriarty (Observer) of MHL Consulting Engineers.

The team made a site visit on Tuesday 28th November 2023. The weather was dry at the time of the visit.

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 1/2 road safety audit.

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

At the time the Audit was carried out, access to road safety data was unavailable as The Road Safety Authority is in the process of reviewing its road traffic collision (RTC) data sharing policies and procedures.

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 Safety Audit Feedback Form.

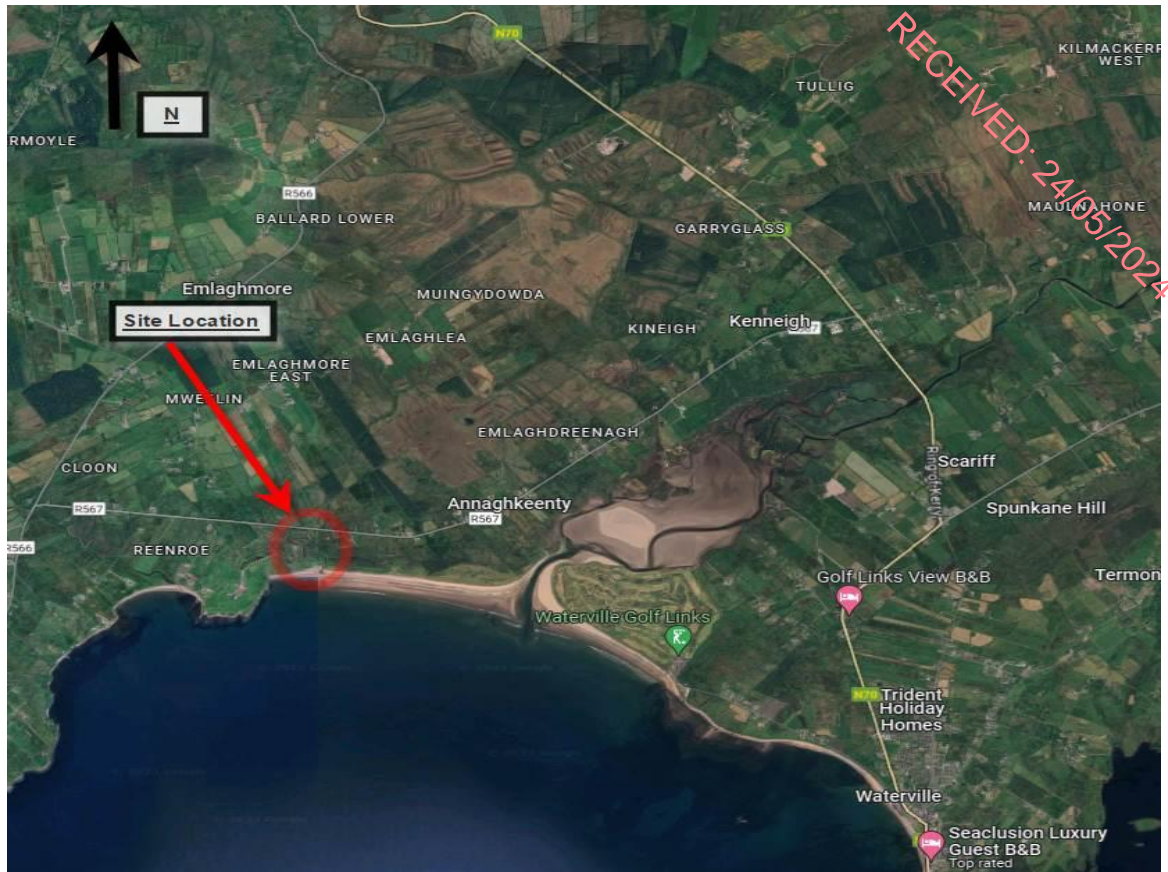


Figure 1.1 – Site Location Map



Figure 1.2 – Site Extents

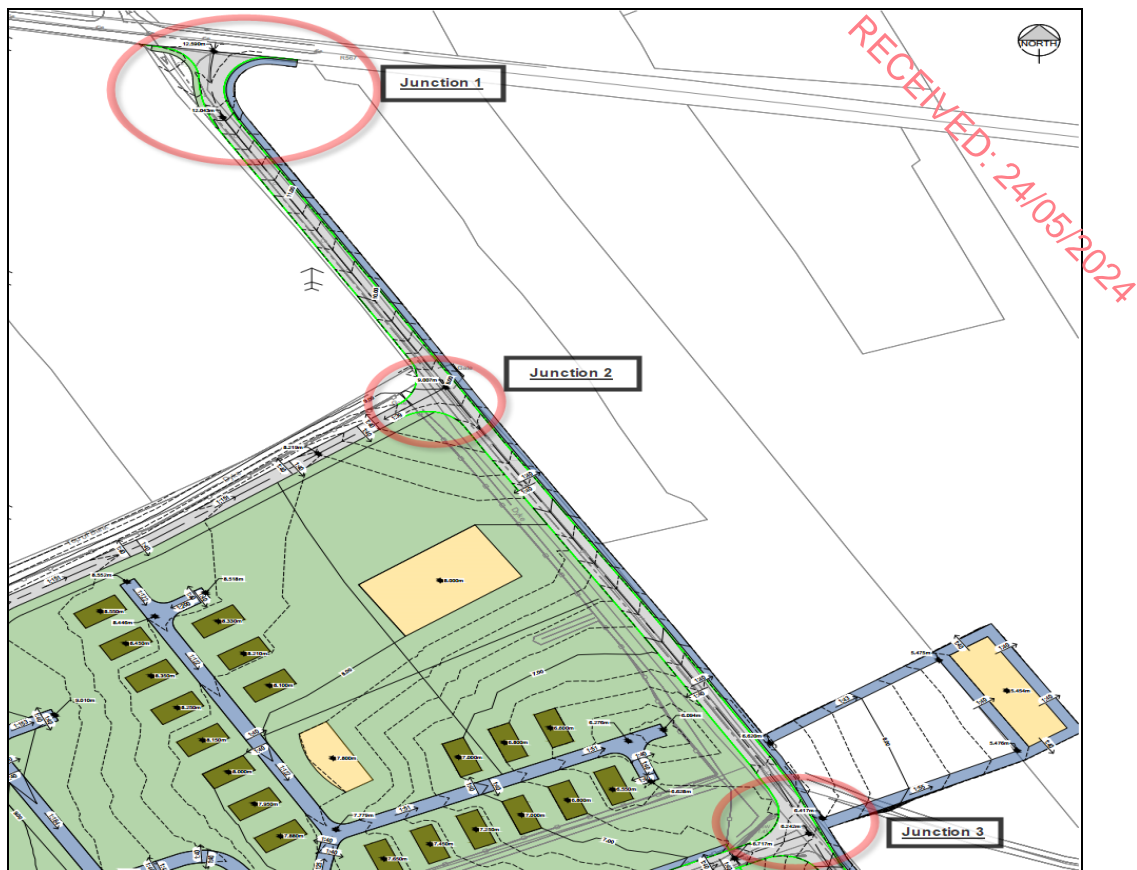


Figure 1.3 –Proposed Development Layout

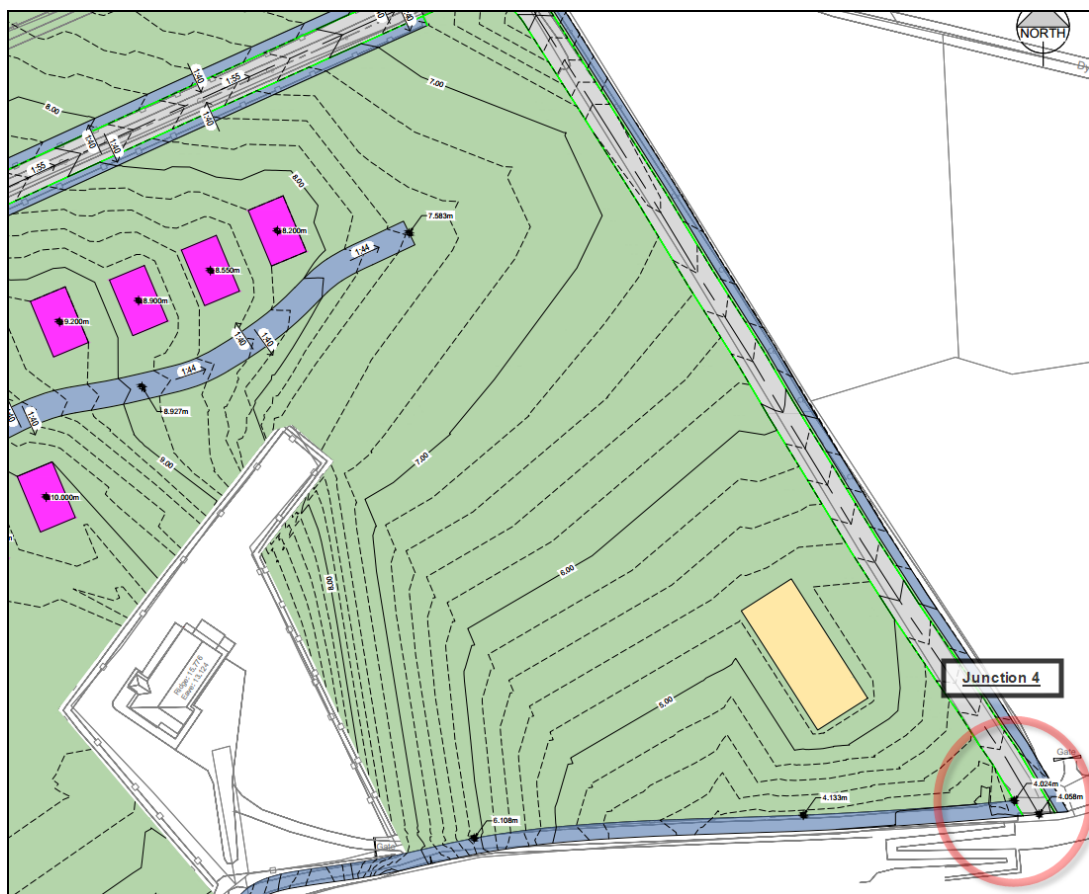


Figure 1.4 –Proposed Development Layout

2. AUDIT ISSUES

2.1.PROBLEM: FOOTPATH CONNECTIVITY

No specific pedestrian facilities have been shown linking between the development footpath at Junction 2 and the proposed footpath on the local access road. Failure to provide dedicated pedestrian access at this location could lead to pedestrians walking onto trafficked lanes to access the public road and potentially coming into conflict with vehicles leading to potential collisions. Refer to Fig 2.1 & Photo A1.

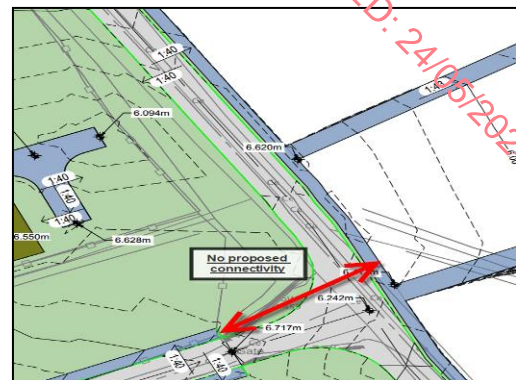


Fig 2.1

Recommendation 1

The designer should consider including a footpath at this location linking the development to footpaths in the area. The design team should ensure that an adequate pedestrian crossing is also provided at the location.

2.2.PROBLEM: SIGHTLINES AT REALIGNED JUNCTION

The audit team acknowledges that the realigned Junction of the local road and R567 is an improvement to the current arrangement. However, no details have been provided to the audit team as to the proposed sightlines to be provided at Junction 1. Inadequate sight lines at an entrance may lead to collisions between vehicles passing by on R567 and vehicles exiting the local road. Refer to Fig 2.2 & Photos A2 & A3.

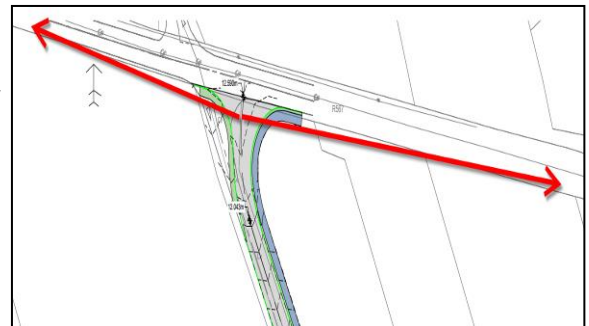


Fig 2.2

Recommendation 2

A junction arrangement with an adequate visibility envelope is required, in accordance with the relevant standards for the road design speed. The visibility envelope should be kept clear of all obstructions such as wall, hedges, fences, signs etc and vegetation over 600mm in height.

2.3.PROBLEM: LACK OF ROAD DRAINAGE PROPOSAL

The audit team observed that it is proposed to install a roadside kerb and footpath on the eastern side of the local road. This kerb is replacing the exiting verge at the edge of the road. No road surface water drainage proposals are shown on the drawings provided to the audit team. Lack of road surface drainage could lead to surface water ponding and could lead to collisions between vehicles or vehicles and pedestrians due to aquaplaning on water ponds following periods of heavy rainfall. Refer to Photos A4, A5 & A6

Recommendation 3

Provide road surface water drainage at both the realigned junction and the widened local road. The design team should also consider the existing land drainage and open ditches in any proposed designs.

2.4.PROBLEM: EXISTING PARKING ALONG THE SITE FRONTAGE

During the site visit, the audit team observed multiple people parking their vehicles along the public road while accessing the public beach. It is unclear from the drawings provided to the audit team if this existing widened roadway is being retained as part of the development. A lack of parking for members of the public accessing the beach, could lead to a road safety issue by an ad hoc nature of parking and vehicles parking on the proposed footpath. Refer to Fig 2.3 & Photos A7.

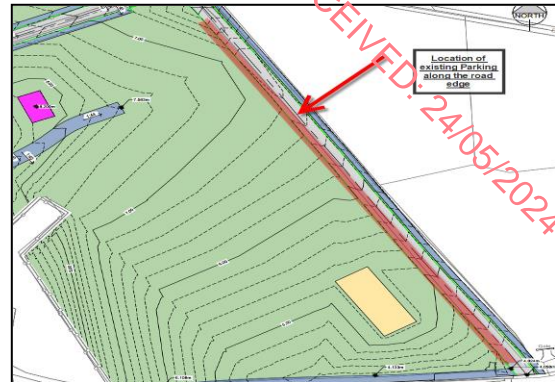


Fig 2.3

Recommendation 4

The design team should conform if the existing roadside parking is being retained as part of these works.

2.5.PROBLEM: NO PUBLIC LIGHTING SHOWN

No details have been provided of any proposed lighting scheme within the proposed development and at the proposed junctions. 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 5

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

2.6.PROBLEM: SIGNING AND LINING AT PROPOSED JUNCTIONS

The drawing provided to the Audit Team does not show any road markings or signage at any of the proposed junctions (J1, J2 & J3). Inadequate road markings could lead to collisions involving vehicles exiting at a junction due to vehicles not adequately stopping and checking for oncoming traffic prior to turning.


Recommendation 6

Provide appropriate road signage at the proposed entrance 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: 

Date: 20/03/2024

Mr James Daly, BEng CEng MIEI

Signed: 

Date: 20/03/2024

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Appendix A – Site Photographs



Photo A1: Existing Entrance to the site (Junction 3)



Photo A2: Sightlines to the west at realigned junction location (Junction 1)



Photo A3: Sightlines to the east at realigned junction location (Junction 1)



Photo A4: Existing water course crossing under the local road



Photo A5: Existing land-drains on adjoining lands



Photo A6: Existing land-drains on adjoining lands



Photo A7: Existing land-drains on adjoining lands

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Appendix B – Drawings & Documents Submitted for Information

Drawings AND DOCUMENTS submitted for information

DRAWINGS BY: MWP			
Ref.	Date	Drawing Title	Scale
21513-MWP-01-00-DR-C-1001 P01	July 2023	Site Levels and Road Layout (Sheet 1 of 6)	1/500 @ A1
21513-MWP-01-00-DR-C-1002 P01	July 2023	Site Levels and Road Layout (Sheet 2 of 6)	1/500 @ A1
21513-MWP-01-00-DR-C-1003 P01	July 2023	Site Levels and Road Layout (Sheet 3 of 6)	1/500 @ A1
21513-MWP-01-00-DR-C-1004 P01	July 2023	Site Levels and Road Layout (Sheet 4 of 6)	1/500 @ A1
21513-MWP-01-00-DR-C-1005 P01	July 2023	Site Levels and Road Layout (Sheet 5 of 6)	1/500 @ A1
21513-MWP-01-00-DR-C-1006 P01	July 2023	Site Levels and Road Layout (Sheet 6 of 6)	1/250 @ A1

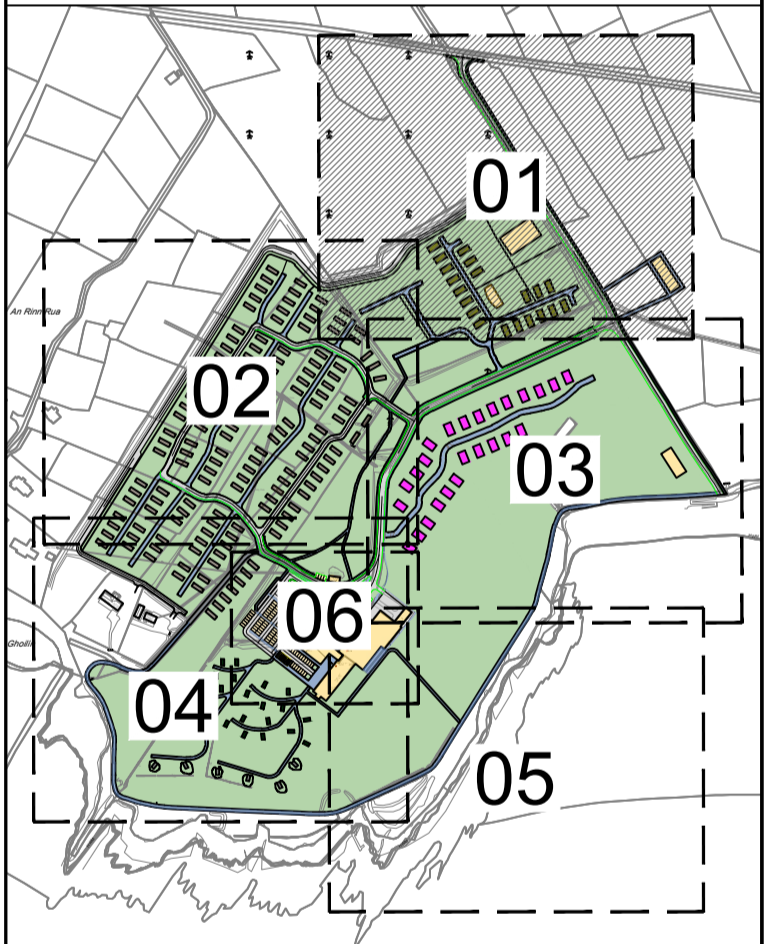
Documents:
Document Title:
Reenroe – Tourism Destination Concept Document (May 2021)



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- NOTE:
1. INDICATIVE DESIGN ONLY, SUBJECT TO DETAILED DESIGN POST PLANNING.
 2. ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT SPECIFICATIONS, BILLS OF QUANTITIES, ARCHITECTURAL, SERVICES AND ENGINEERING DRAWINGS.
 3. ANY DISCREPANCIES BETWEEN THESE DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
 4. ALL DIMENSIONS ARE IN MILLIMETRES, UNLESS NOTED OTHERWISE.
 5. ALL LEVELS ARE IN METRES RELATED TO ORDNANCE DATUM.
 6. DRAWINGS ARE NOT TO BE SCALED.

- LEGEND:
- SITE BOUNDARY
 - PROPOSED ROAD
 - PROPOSED CONCRETE FOOTPATH
 - PARKING AREA
 - GRASS
 - PROPOSED 125mm UPSTAND BULLNOSE KERB
 - BUILDING
 - MOBILE HOME PLOTS
 - GLAMPING PODS
 - HOBBIT HUTS
 - HOLIDAY CABINS
 - CAMPER PARKING



KEY PLAN
NOT TO SCALE

P01	14.07.23	ISSUED FOR INFORMATION	MO	IB
REV	DATE	DESCRIPTION	BY	APP

PROJECT: RINN RUA HOTEL AND LEISURE PARK

TITLE: SITE LEVELS AND ROAD LAYOUT
(SHEET 1 OF 6)

CLIENT: CLIENT NAME



DRAWN: C.P.	CHECKED: M.O.	APPROVED: I.B.
PROJECT NUMBER: 21513	DATE: JUL.2023	SCALE @ A1: 1:500

STATUS DESCRIPTION: FOR INFORMATION STATUS: S2

DRAWING NUMBER: 21513 - MWP - 01 - 00 - DR - C - 1001	REV: P01
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FOR CONTINUATION REFER TO DRAWING 21513-MWP-02-00-DR-C-1002

FOR CONTINUATION REFER TO DRAWING 21513-MWP-03-00-DR-C-1003

SITE LEVELS AND ROADS LAYOUT
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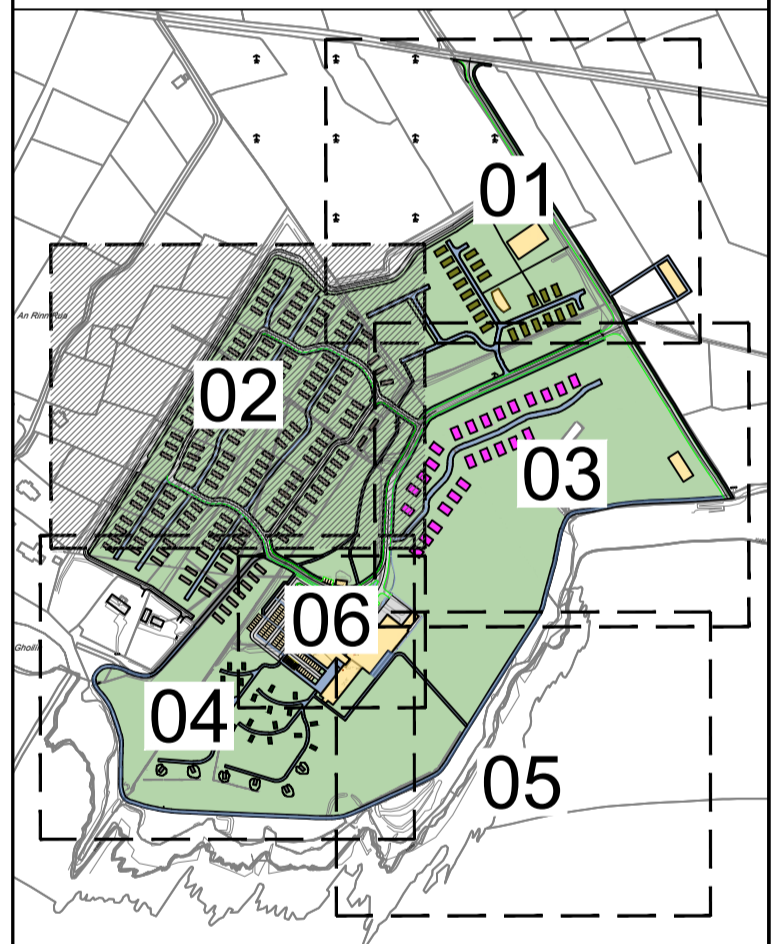
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FOR CONTINUATION REFER TO DRAWING 21513-MWP-04-00-DR-C-1004

SITE LEVELS AND ROADS LAYOUT
SCALE: 1:500

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TITLE: SITE LEVELS AND ROAD LAYOUT
(SHEET 2 OF 6)

CLIENT: CLIENT NAME

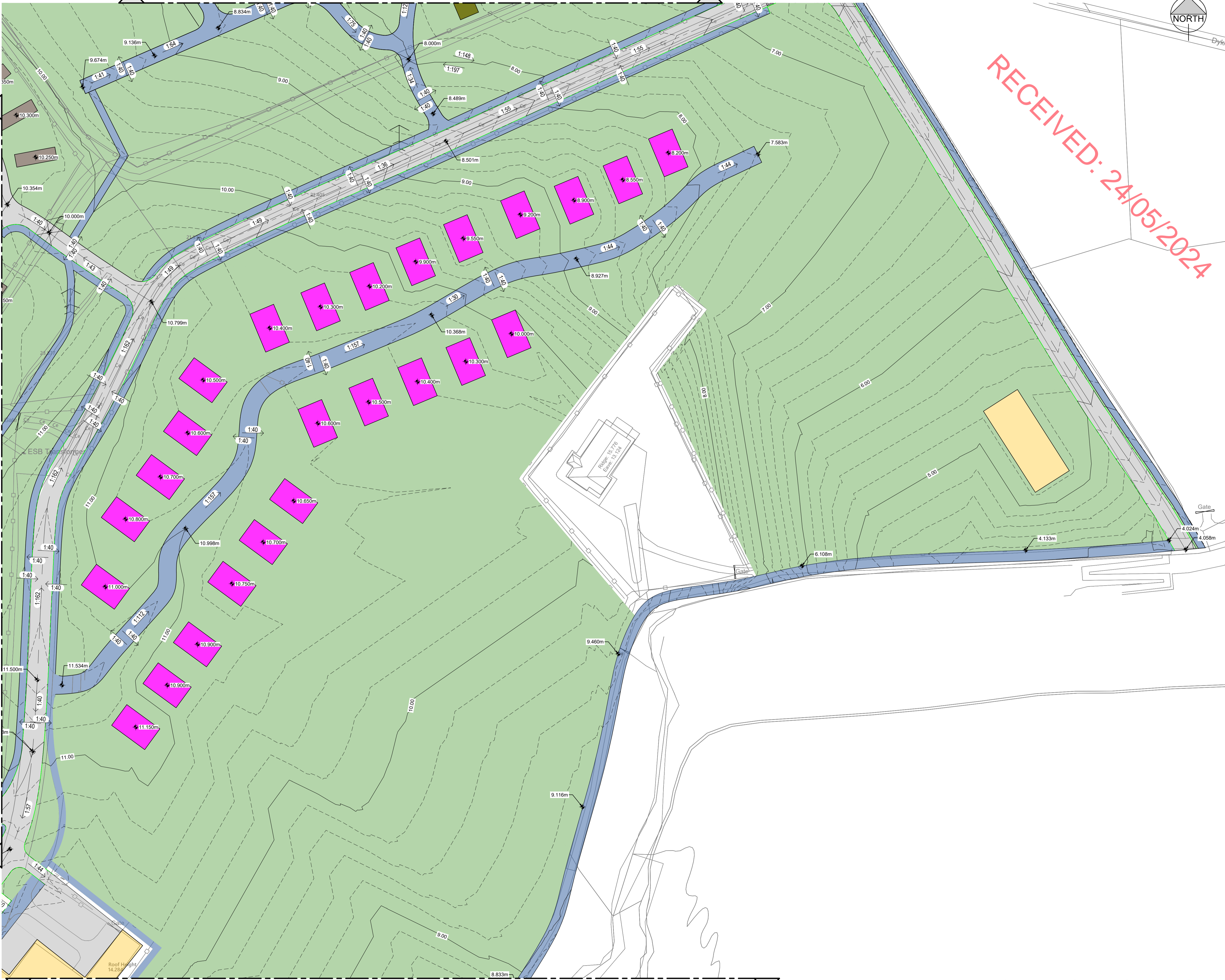


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FOR CONTINUATION REFER TO DRAWING 21513-MWP-05-00-DR-C-1005

SITE LEVELS AND ROADS LAYOUT

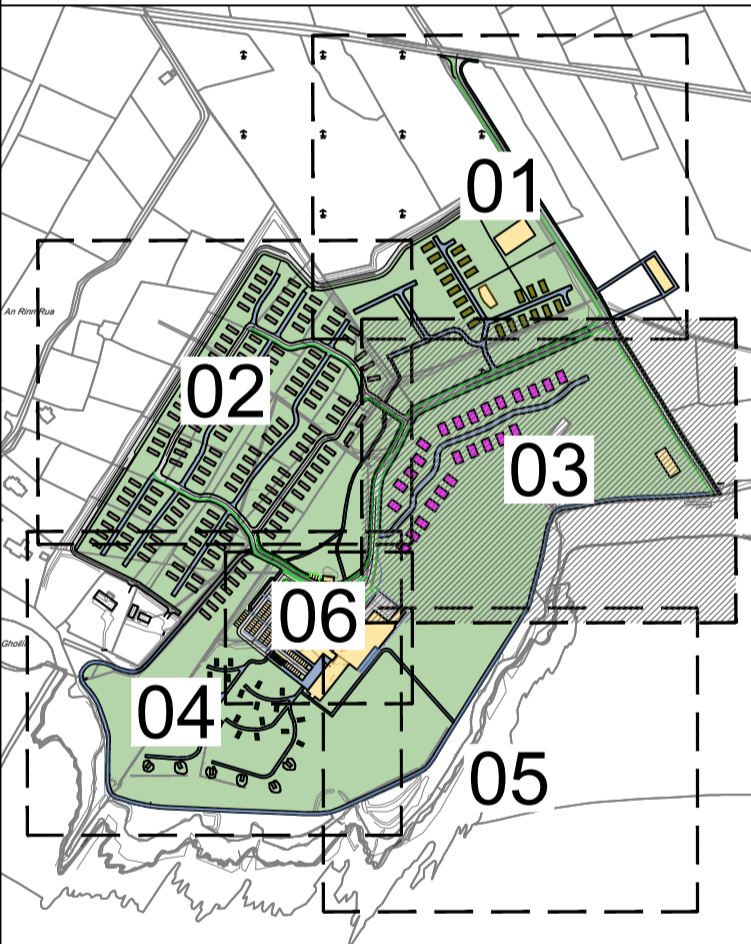
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TITLE: SITE LEVELS AND ROAD LAYOUT
(SHEET 3 OF 6)

CLIENT: CLIENT NAME



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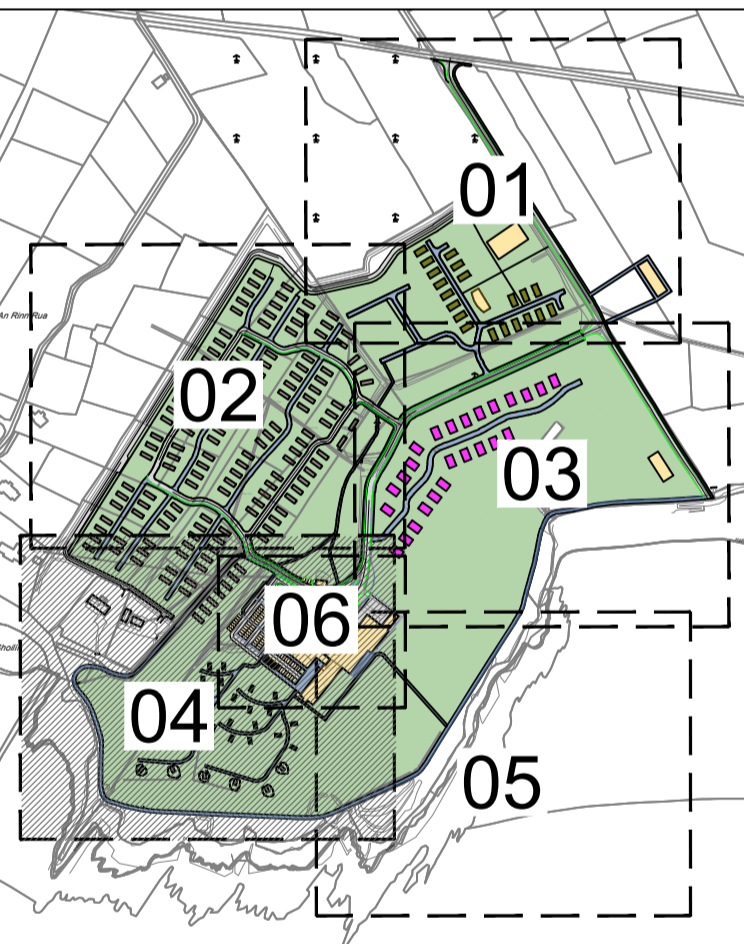
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CLIENT: CLIENT NAME



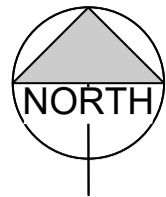
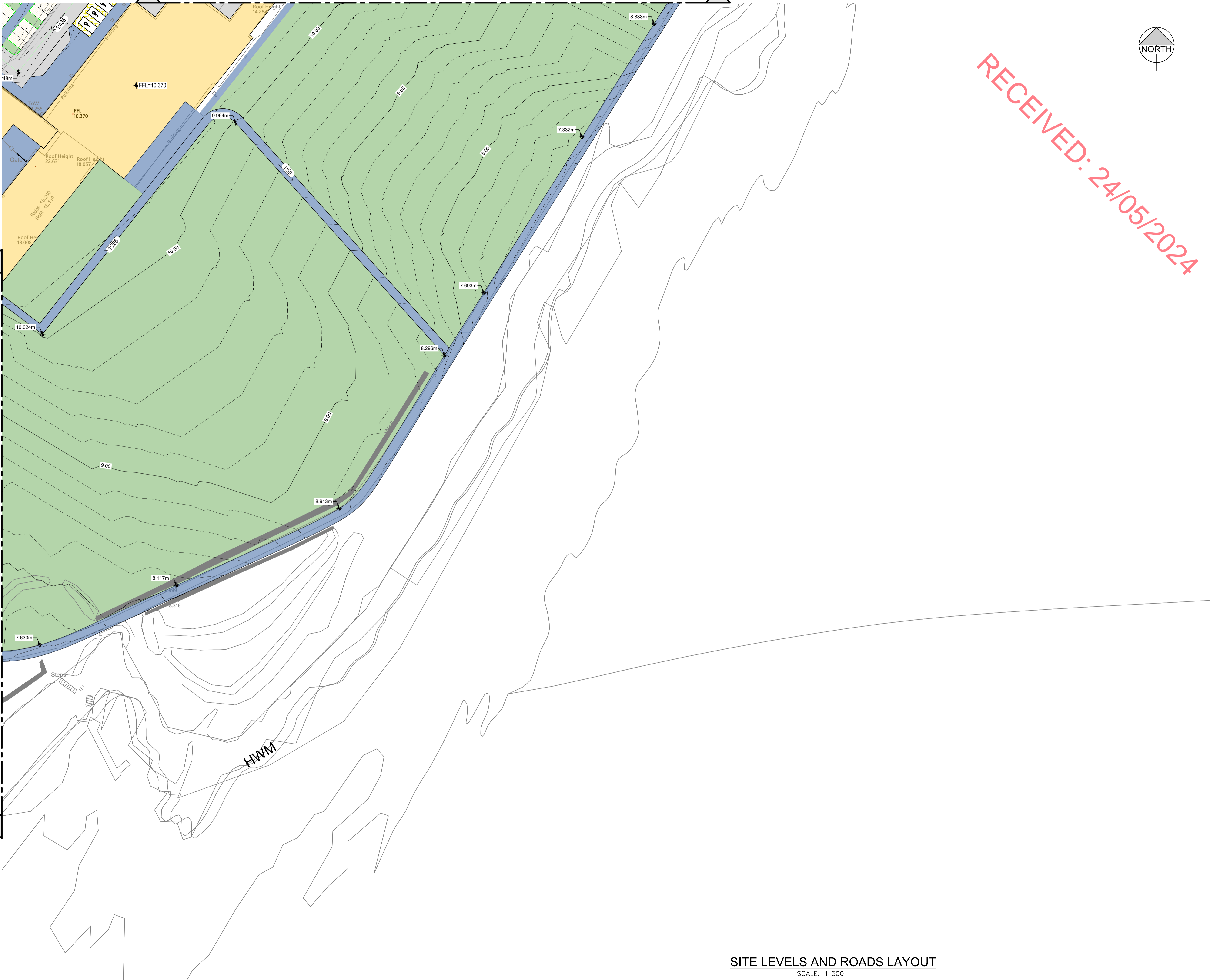
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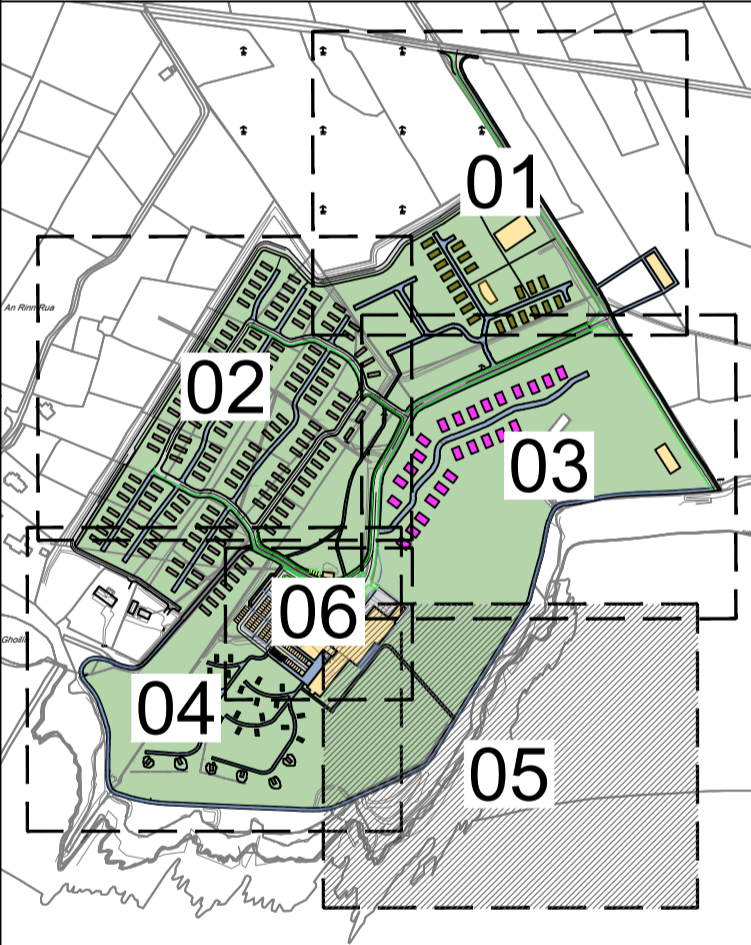
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(SHEET 5 OF 6)

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SITE LEVELS AND ROADS LAYOUT
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Appendix C– RSA Feedback Form

Road Safety Audit Feedback Form

Scheme: Proposed Tourism Development, Reenroe, Ballinskelligs, Co. Kerry

Audit Stage: 1/2

Date Audit Completed: 28/11/2023

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	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		
2.5	Yes	Yes		
2.6	Yes	Yes		

Signed: Kan Doherty Designer

Date 7 May 2024

Signed: Brian Loughrey Audit Team Leader

Date 09/05/2024

Signed: John Brown Employer

Date 9 May 2024