

23021-01-001

**Proposed Residential Development,
Claregalway, Co. Galway**

ROAD SAFETY AUDIT STAGE 1

June 2023

ROADPLAN
CONSULTING

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1. INTRODUCTION

- 1.1 This report describes a Stage 1 Road Safety Audit carried out at a proposed residential development in Claregalway, Co. Galway on behalf of Tobin Consulting. The audit was carried out on 14th March 2023 in the offices of Roadplan Consulting, Kilkenny.
- 1.2 The audit team members were as follows:
- George Frisby, BE CEng MIEI
Auditor Number GF51255
 - Richard Frisby, BSc AEng MIEI.
Auditor Number RF13337391
 - Observer – Adrian Gildea
Auditor Number AG7435152
- 1.3 Both audit team members visited the site on the 13th March 2023. The audit comprised an examination of the drawings relating to the scheme supplied by Tobin Consulting and an examination of the site.
- 1.4 The speed limit of road at the site entrance is 60 km/h.
- 1.5 This Stage 1 Audit has been carried out in accordance with the relevant sections of TII GE-STY-01024. The team has examined only those issues within the design relating to the road safety implications of the scheme and has therefore not examined or verified the compliance of the design to any other criteria.
- 1.6 All problems described in this report are considered by the audit team to require action in order to improve the safety of the scheme and minimise accident occurrence.
- 1.7 Appendix A describes the audited drawings.

2. STAGE 1 AUDIT

2.1 Problem

There are existing central hatch markings along the R381 at the proposed access location. The presence of the central hatch markings may confuse drivers turning right into the proposed access from the R381 if left unaltered which may contribute to a collision at this location.



Recommendation

Modify the layout of the central hatching to accommodate vehicles turning right into the proposed development and ensure such changes do not conflict with vehicles turning right into the residential properties on the west side of the R381.

2.2 Problem

Segregated pedestrian and cyclist facilities exist at both proposed accesses. The drawing indicates these facilities being diverted into the development as per the image below and changes direction abruptly. The abrupt changes in direction may result in a cyclist losing control which may contribute to a collision. Furthermore, the proposed width of the new facility may not be adequate to cater for both pedestrians and cyclists.



Recommendation

Provide an adequate transition from the existing segregated pedestrian and cyclist facilities to the proposed crossing locations and ensure adequate width is provided to cater for both pedestrians and cyclists at the crossing locations.

2.3 Problem

Visibility for drivers of vehicles at the proposed internal junction shown in the image below may be restricted by vehicles parked in the adjacent parking spaces. A lack of adequate visibility may contribute to a turning collision at this location.

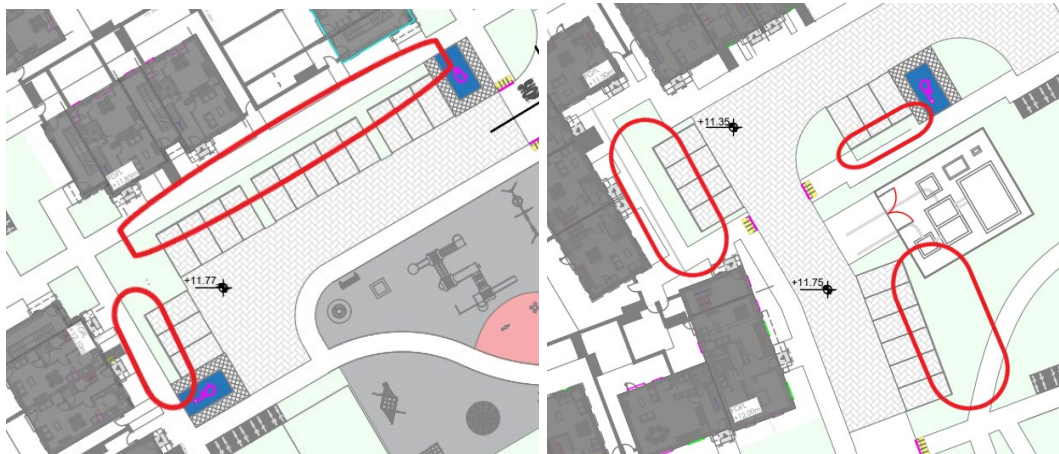


Recommendation

Ensure that adequate visibility splays are provided at all internal junctions within the proposed development.

2.4 Problem

There are a number of locations where a grass verge is provided between parking spaces and the proposed footpath. Drivers or passengers of vehicles exiting or accessing a parked vehicle may be forced to travel along the carriageway to access the footpath which may result in an increased risk of being struck by a passing vehicle.

**Recommendation**

Provide a hard surfaced area between the proposed footpath and parking spaces so that drivers or passengers of vehicles exiting or accessing parked vehicles can directly access the footpaths.

2.5 Problem

A number of disabled parking spaces are provided within the proposed development. Safe access from the proposed disabled spaces to adjacent footpaths has not been provided and in some locations the disabled parking space is remote from a footpath resulting in disabled persons requiring to traverse the carriageway to access the nearest footpath. Such a layout may contribute to a collision at these locations.

Recommendation

Locate the disabled parking spaces adjacent to a proposed footpath and provide adequate access from the parking spaces to the proposed footpath.

2.6 Problem


Street lighting exists along the main R381 and on Lakeside Road. The drawings supplied do not indicate streetlighting within the development. A lack of adequate street lighting within the proposed development may contribute to a collision.

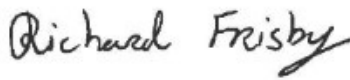
Recommendation

Road safety would be enhanced by the provision of street lighting within the proposed development.

3. AUDIT TEAM STATEMENT

3.1 We certify that we have examined the drawings listed in Appendix A and have inspected the site. This examination has been carried out with the sole purpose of identifying any features of the scheme that could be removed or modified to improve the safety of the scheme.

Signed.....  George Frisby
Date 15th March 2023.....

Signed.....  Richard Frisby
Date 15th March 2023.....

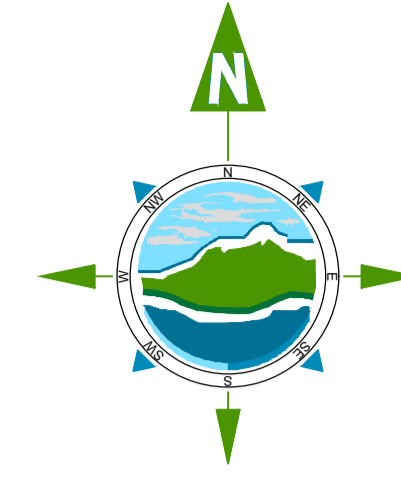
APPENDIX A

List of Drawings Examined











The following drawings have been provided electronically in PDF format by Tobin Consulting:

Drawing number	Rev	Drawing title
11171-2003	P01	Proposed Road Layout
11171-2004	P01	Proposed Autotrack Large Car
11171-2005	P01	Proposed Autotrack Refuse Truck
11171-2006	P01	Proposed Autotrack Pumping Appliance

THE INFORMATION ON THIS DRAWING IS TO THE ORDNANCE SURVEY IRELAND ITM COORDINATE SYSTEM



Legend

-  Site Boundary
-  Dropped Kerb
-  Tactile Paving
-  Traffic Sign & Post per Traffic Sign Manual
-  'STOP' Junction Road Marking as per traffic Sign Manual- Chapter 7
-  Direction of Road Fall & Gradient
-  Proposed Road Level
-  65 m of Visibility Splay as per Chapter 4 of DMURS
-  Stop Sign
-  Shared Surface

NOTES:

1. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING.
2. ALL DRAWINGS TO BE CHECKED BY THE CONTRACTOR ON SITE.
3. ENGINEER/EMPLOYERS REPRESENTATIVE, AS APPROPRIATE, TO BE INFORMED BY THE CONTRACTOR OF ANY DISCREPANCIES BEFORE ANY WORK COMMENCES.
4. THE CONTRACTOR SHALL UNDERTAKE A THOROUGH CHECK FOR THE ACTUAL LOCATION OF ALL SERVICES/UTILITIES, ABOVE AND BELOW GROUND, BEFORE ANY WORK COMMENCES.
5. ALL LEVELS SHOWN RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD.

Rev	Date	Description	By	Chkd.
P01	13/07/2022	Issue For Planning	RM	BH

Client: Galway County Council

Project: Proposed Residential Development
Baile an Chlair
Claregalway

Title: Proposed Road Layout

Scale @ A1: 1:500 / @A3 1:1000

Prepared by: RM Checked: BH Date: July 2022

Project Director: Brian Carroll

Drawing Status: Planning

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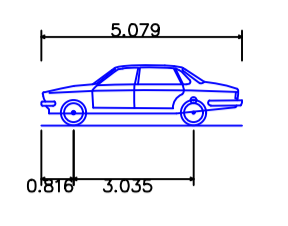
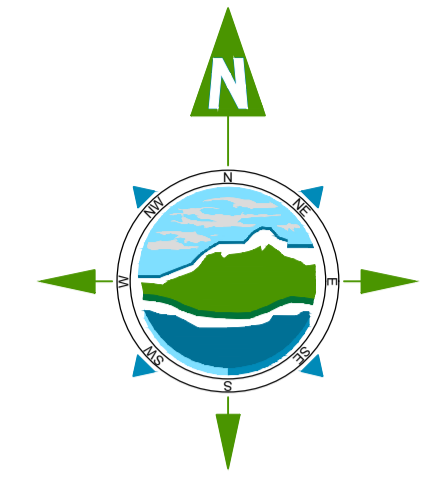
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Drawing No: **11171-2003P01** Revision:





THE INFORMATION ON THIS DRAWING IS TO THE ORDNANCE SURVEY IRELAND ITM COORDINATE SYSTEM



Large Car (2006)	5.079m
Overall Length	1.872m
Overall Width	1.525m
Overall Body Height	0.310m
Min Body Ground Clearance	1.831m
Max Track Width	4.00s
Lock-to-lock time	5.900m
Curb to Curb Turning Radius	

- NOTES:**
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Rev	Date	Description	By	Chkd.
P01	13/07/2022	Issue for Planning	RM	BH

Client: Galway County Council

Project: Proposed Residential Development
Baile an Chlair
Claregalway

Title: Proposed Auto Tracks
Large Car

Scale @ A1: 1:500/ @A3 1:1000

Prepared by:	Checked:	Date:
RM	BH	July 2022
Project Director:	Brian Carroll	
Drawing Status:	Planning	

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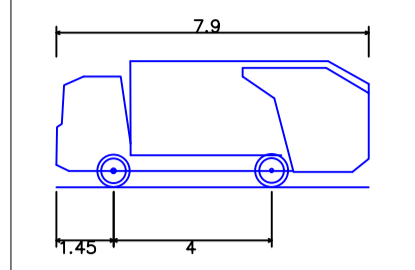
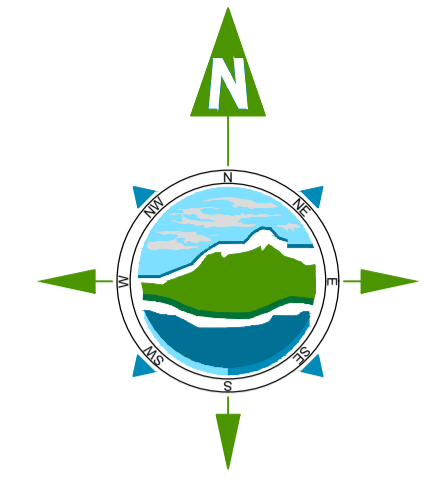
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Drawing No: **11171-2004P01** Revision:



THE INFORMATION ON THIS DRAWING IS TO THE ORDNANCE SURVEY IRELAND ITM COORDINATE SYSTEM



DB32 Refuse Vehicle
 Overall Length 7.900m
 Overall Width 1.45m
 Overall Body Height 3.183m
 Min Body Ground Clearance 0.388m
 Max Track Width 2.400m
 Lock-to-lock Time 6.00s
 Curb to Curb Turning Radius 9.625m

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Rev	Date	Description	By	Chkd.
P01	13/07/2022	Issue for Planning	RM	BH

Client: Galway County Council

Project: Proposed Residential Development
 Baile an Chlair
 Claregalway

Title: Proposed Auto Tracks
 Refuse Truck

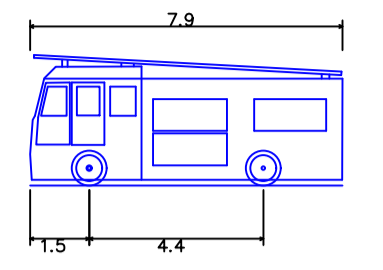
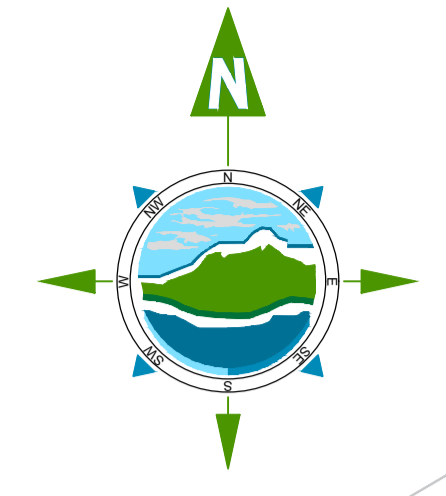
Scale @ A1: 1:500/ @A3 1:1000
 Prepared by: RM
 Checked by: BH
 Date: July 2022
 Project Director: Brian Carroll
 Drawing Status: Planning

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Drawing No: **11171-2005 P01**



THE INFORMATION ON THIS DRAWING IS TO THE ORDNANCE SURVEY IRELAND ITM COORDINATE SYSTEM



Pumping Appliance
 Overall Length 7.900m
 Overall Width 2.500m
 Overall Body Height 3.500m
 Min Body Ground Clearance 0.140m
 Track Width 2.500m
 Lock-to-lock time 4.00s
 Curb to Curb Turning Radius 7.750m

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Rev	Date	Description	By	Chkd.
P01	13/07/2022	Issue for Planning	RM	BH

Client: Galway County Council

Project: Proposed Residential Development
 Baile an Chlair
 Claregalway

Title: Proposed Auto Tracks
 Pumping Appliance

Scale @ A1: 1:500/ @A3 1:1000
 Prepared by: RM
 Checked: BH
 Date: July 2022
 Project Director: Brian Carroll
 Drawing Status: Planning

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Drawing No: **11171-2006P01** Revision:

SAFETY AUDIT FEEDBACK FORM

Scheme: Proposed Residential Development, Claregalway, Co. Galway.

Document Number: 23021-01-001

Audit Stage: Stage 1 RSA

Date Audit Completed: 15th March 2023

Paragraph No. in Safety Audit Report	To Be Completed By Designer			To Be Completed by Audit Team Leader
	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	A lighting design is to be carried out on this development.	-----

Safety Audit Signed off  Design Team Leader

Print Name: Ryan Bragge

Date 15/06/2023

Safety Audit Signed off  Employer

Print Name Eithne Murphy

Date 15-06-'23

Safety Audit Signed off  Audit Team Leader

Print Name George Frisby

Date 22/6/23

Please complete and return to:

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E-mail: info@roadplan.ie