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APPENDIX 15-2

ROAD SAFETY AUDIT

TOBIN

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11893- Kingston Stables Ltd.

Residential Development at Kingston, Knocknacarra, Galway.

Stage 1/2 RSA

BUILT ON KNOWLEDGE

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Client:	Kingston Stables Ltd.
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D01	Draft	JL	26/06/2026	MR	29/06/26	MR	29/06/26
A01	Final	JL	09/07/2026	MR	09/07/2026	MR	09/07/2026
A02	Final	JL	16/07/2026	MR	16/07/2026	MR	16/07/2026

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1 INTRODUCTION

This report presents the findings of a Stage 1/2 Road Safety Audit undertaken for the proposed Large Residential Development (LRD) at Kingston, Knocknacarra, Galway. The audit examined the proposed junction and associated road infrastructure providing access to the development via Altán Road, which connects to the Western Distributor Road.

The Design Manual for Urban Roads and Streets (DMURS) is subject to the guidance set out in Table 3.1 of DMURS. TOBIN was appointed by Kingston Stables Ltd. to undertake this Road Safety Audit in accordance with the Transport Infrastructure Ireland (TII) Road Safety Audit Guidelines. The location of the site is shown in Figure 1.1.



Figure 1-1 Site Location

1.1 EXISTING ENVIRONMENT

The proposed development is located at Kingston, Knocknacarra, Galway. Vehicular, pedestrian and cyclist access to the development will be provided via Altán Road, which connects to the Western Distributor Road. The surrounding area is predominantly residential and is served by footpaths, public lighting, and existing pedestrian and cyclist facilities.

The proposed access ties into the recently permitted road (Planning Reference 24/60370), which provides access from Altán Road to the proposed development.

1.2 THE PROPOSED DEVELOPMENT

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Planning permission is sought by Kingston Stables Limited for development of a Large-Scale Residential Development (LRD) for a 10-year planning permission, on a site which extends to 2.9 ha on lands located at Rahoon, Knocknacarra, Galway.

The proposed development will consist of the following:

1. Provision of 133 no. residential units in 2 no. development areas with a mix of duplex and house types on a site area of 2.9 ha. The buildings range between 2 no. and 3 no. storeys in height. The development will comprise the following:
    - 51 no. 3-bed townhouses;
    - 6 no. 4-bed townhouses;
    - 1 no. 1-bed duplex apartments;
    - 1 no. 2-bed duplex houses;
    - 37 no. 2-bed ground floor duplex apartments;
    - 37 no. 3-bed duplex houses.
2. Demolition of existing structures (388 sqm);
3. Vehicular access to the proposed development from a permitted road (Planning Reference 24/60370 refers);
4. Upgrades to the permitted road (Planning Reference 24/60370 refers);
5. Pedestrian and cycle access to the adjacent proposed Kingston Park (ACP Ref: 323873);
6. Conversion and upgrade of an existing structure to a cafe (65.8 sqm);
7. The provision of public open space;
8. The provision of 192 no. bicycle parking spaces;
9. The provision of 143 no. car parking spaces;
10. Public lighting, bin stores, signage, services, 2 no. ground mounted substation kiosks, site landscaping and all ancillary site development and enabling works.

1.3 AUDIT DETAILS

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The initial Audit took place at the Galway office of TOBIN in May 2026. The Audit comprised of an examination of the documents provided by the Design Team, listed in Appendix A-I. In addition, a daytime site visit took place on Tuesday the 23rd of June 2026. Throughout the duration of the site visit, the weather was dry and sunny.

The following information was not made available to the Audit Team:

- Geometric Details i.e. visibility splays
- Boundary treatment.
- Drainage details
- Site clearance
- Sign Schedule
- Kerb Details
- Public Lighting
- Landscaping

The Audit Team members were as follows:

Audit Team Leader

- Maria Rooney - BEng (Hons) Civil Eng., CEng., MIEI, Associate Director for Roads & Transportation, TOBIN. – TII Reference MR3384505

Audit Team Member

- Jessica Lima – BEng Civil Eng. Project Engineer for Roads & Transportation TOBIN – TII Reference JL855809

The Stage 1 Road Safety Audit has been carried out in accordance with the relevant sections of Transport Infrastructure Ireland Publication (Standards) "Road Safety Audit" GE-STY-01024 (May 2025). The team have examined and reported only on the road safety implications of the design submitted and has not examined or verified the compliance of the design to any other criteria. However, to clearly explain a problem or a recommendation, it may be necessary to refer to another Standard or Advice Note, but such reference will not conflict with the requirements of the above Terms of Reference.

The Design Team and Employer (Client) is reminded that the Road Safety Audit Feedback Form, in Appendix A-III shall be completed and returned to the Road Safety Audit Team Leader for sign off.

1.4 COLLISION DATA

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Collision records indicate that two non-serious injury and one serious injury traffic collisions occurred on L1010 roundabout the vicinity of the site during the period 2016–2024.

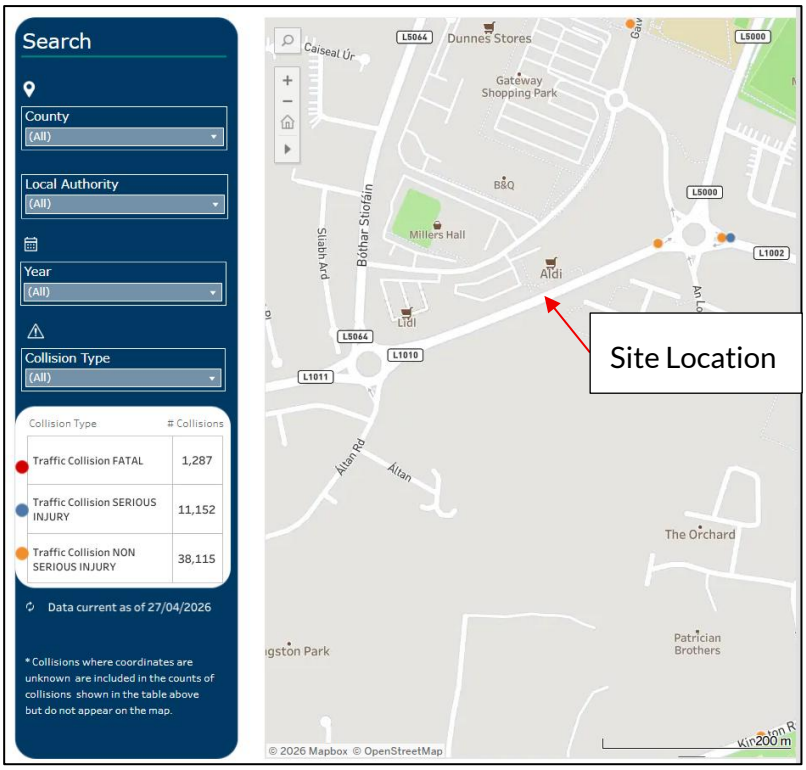


Figure 1-2 Collison Map

2 ITEMS RESULTING FROM THIS ROAD SAFETY AUDIT

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2.1 PROBLEM

Existing Road Network

The Audit Team observed that the existing road network consists of a rapid build cycle lane on Altan Road. The Audit Team is concerned that this temporary traffic management measure may create uncertainty for cyclists crossing Altan Road to gain access to northbound lane. This may result in sudden manoeuvres by cyclists who may remain on the carriageway. This could lead to a collision between a cyclist and a vehicle.

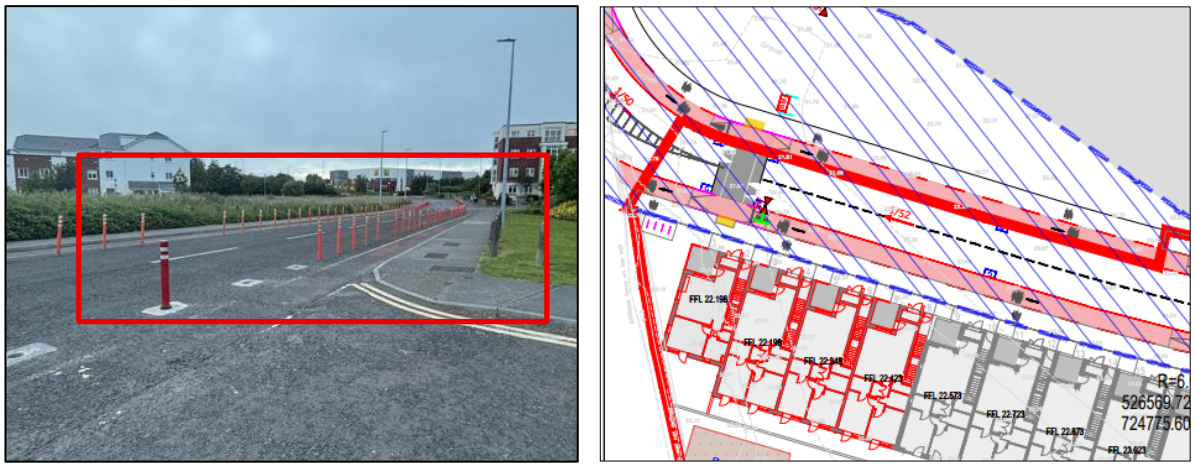


Figure 2-1: Tie into Existing Network

Recommendation:

The Design Team should provide a permanent cycle lane in accordance with the relevant design standards, ensuring a suitable transition between the existing and proposed cycle facilities.

2.2 PROBLEM

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STOP Road Marking

The Audit Team observed that no STOP road markings have been provided at key junctions within the proposed development. This omission raises safety concerns, as the absence of clear priority control may lead to driver confusion and increase the risk of side on collisions.

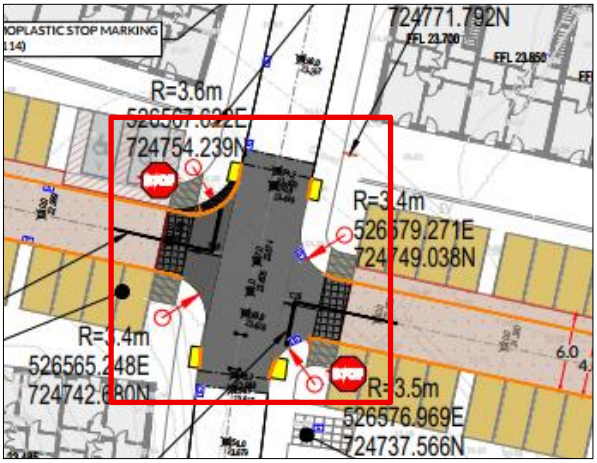


Figure 2-2: Example of missing road marking

Recommendation:

The Design Team should incorporate appropriate STOP road markings in accordance the Traffic Signs Manual.

2.3 PROBLEM

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Missing Road Marking

The Audit Team notes that no road markings have been provided on the raised junction. The Audit Team is concerned that approaching drivers may not be adequately warned of the upcoming traffic calming feature. This could result in vehicles failing to reduce speed, striking the ramp, and making a sudden manoeuvre onto the footpath, resulting in a collision with a vulnerable road user (VRU).

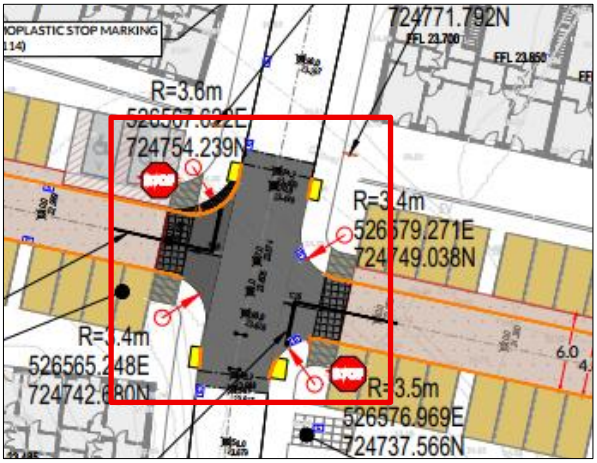


Figure 2-3: Proposed Raised Junction

Recommendation:

The Design Team should ensure road markings are provided at the raised junction and that they comply with the requirements of the Traffic Signs Manual (TSM).

2.4 PROBLEM

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Footpath Location

The Audit Team observed that the proposed footpath is located to the rear of the parking spaces. The Audit Team is concerned that vulnerable road users, particularly children, may be obscured by parked vehicles while vehicles are manoeuvring into or reversing out of parking spaces. This may result in collisions between vehicles and vulnerable road users

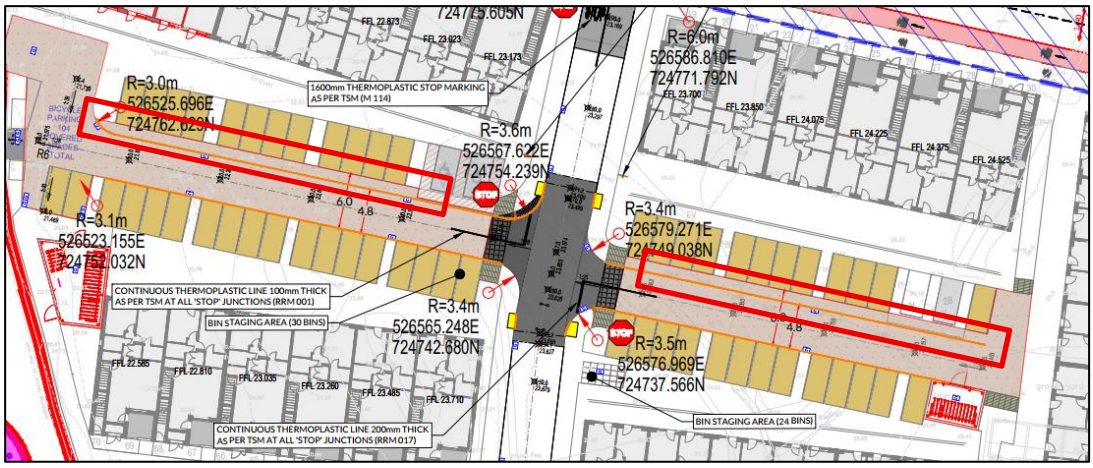


Figure 2-4: Proposed footpath

Recommendation

The Design Team should relocate the footpath to the front of the parking spaces to minimise conflicts between pedestrians and reversing vehicles.

3. RESPONDING TO THE ROAD SAFETY AUDIT

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2.5 3.1ROAD SAFETY AUDIT RESPONSE FROM THE DESIGNER(S)

The Designer(s) should prepare an Audit response for each of the recommendations using the Road Safety Audit Feedback Form Attached in Appendix A-III

When completed, this form should be signed by the Lead Designer and returned to the Audit Team for due consideration.



Figure 3-0-1: Road Safety Audit Process & Sign Off

2.6 3.2RETURNING THE COMPLETED FEEDBACK FORM

The Designer(s)should return the completed Road Safety Audit Feedback Form attached in Appendix A-III in this report to the following.

- Email address: Jessica.Lima@tobin.ie

The Audit Team will consider the Designer(s) response and reply indicating acceptance or otherwise of the Designer(s) response to each recommendation.

If agreeable the feedback form will be signed by the Client and returned to the Audit Team Lead for final review and signature. Final report to be issued.

3.2.1Exception Report

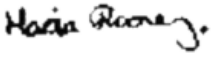
Where the Designer(s) and the Audit Team cannot agree on an acceptable means of addressing an underlying safety concern highlighted as part of the Audit process, an Exception Report must be prepared by the Designer on each contentious item listed in the Audit Report.

5 AUDIT TEAM STATEMENT

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We certify that we have examined the design drawings and other information listed in the Appendices to this report and have carried out a desktop study. This examination has been carried out with the sole purpose of identifying any features of the scheme that can be removed or modified in order to improve the safety of the scheme. The problems that we have identified have been noted in this report, together with suggestions for improvement, which we recommend should be studied for implementation. We have not been involved with the scheme design.

AUDIT TEAM LEADER

Name:	Maria Rooney	Signed:	
TII Reference:	MR3384505	Date:	09/07/2026
Position:	Associate Director		
Organisation:	TOBIN		
Address:	Fairgreen House, Fairgreen Road, Galway.		

AUDIT TEAM MEMBERS

Name:	Jessica Lima	Signed:	
TII Reference:	JL855809	Date:	09/07/2026
Position:	Project Engineer		
Organisation:	TOBIN		
Address:	Market Square, Castlebar, Co. Mayo		

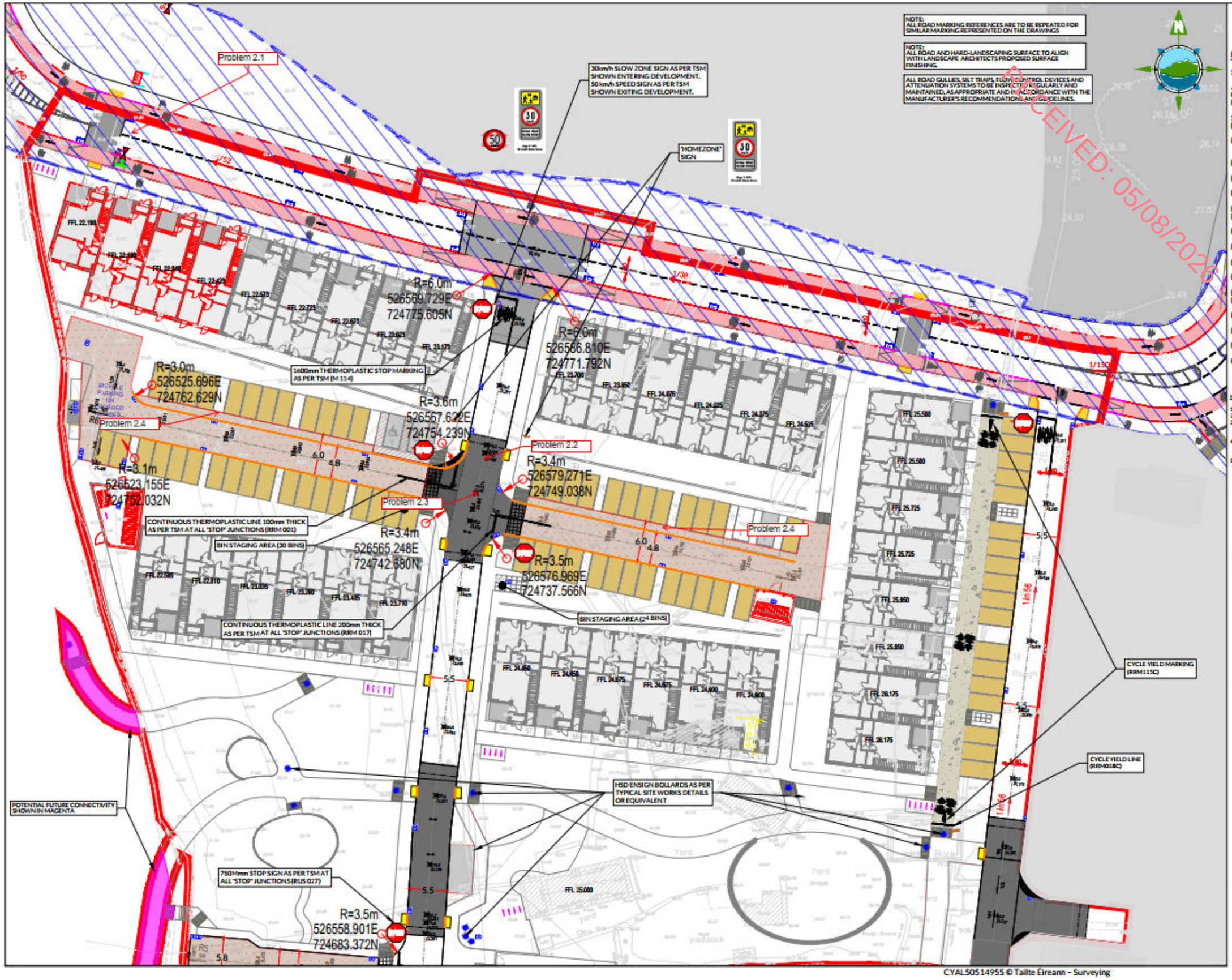
Appendix A-I LIST OF DOCUMENTS EXAMINED

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- 11893-2100 Key Plan
- 11893-2107 Proposed Roads Layout Sheet 1 of 3
- 11893-2108 Proposed Roads Layout Sheet 2 of 3
- 11893-2109 Proposed Roads Layout Sheet 3 of 3
- 11893-2113 Autotrack Analysis Large Car - Sheet 1 of 2
- 11893-2114 Autotrack Analysis Large Car - Sheet 2 of 2
- 11893-2117 Autotrack Analysis FireTruck - Sheet 1 of 2
- 11893-2118 Autotrack Analysis FireTruck - Sheet 2 of 2

Appendix A-II PROBLEM MAP

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Problem 2.1
30km/h SLOW ZONE SIGN AS PER TSM SHOWN ENTERING DEVELOPMENT. 50 km/h SPEED SIGN AS PER TSM SHOWN EXITING DEVELOPMENT.
"HOMEZONE" SIGN
R=6.0m
526569.729E
724775.605N
R=6.0m
526566.810E
724771.792N
1600mm THERMOPLASTIC STOP MARKING AS PER TSM (M 114)
R=3.0m
526525.696E
724762.629N
Problem 2.4
R=3.6m
526567.622E
724754.239N
Problem 2.2
R=3.4m
526579.271E
724749.038N
R=3.1m
526523.155E
724752.032N
Problem 2.3
CONTINUOUS THERMOPLASTIC LINE 100mm THICK AS PER TSM AT ALL 'STOP' JUNCTIONS (RRM 001)
BIN STAGING AREA (30 BINS)
R=3.4m
526565.248E
724742.680N
R=3.5m
526576.969E
724737.566N
CONTINUOUS THERMOPLASTIC LINE 200mm THICK AS PER TSM AT ALL 'STOP' JUNCTIONS (RRM 017)
BIN STAGING AREA (24 BINS)
CYCLE YIELD MARKING (RRM115C)
CYCLE YIELD LINE (RRM018C)
HSD ENSIGN BOLLARDS AS PER TYPICAL SITE WORKS DETAILS OR EQUIVALENT
POTENTIAL FUTURE CONNECTIVITY SHOWN IN MAGENTA
750Mmm STOP SIGN AS PER TSM AT ALL 'STOP' JUNCTIONS (RUS 027)
R=3.5m
526558.901E
724683.372N
NOTE:
ALL ROAD MARKING REFERENCES ARE TO BE REPEATED FOR SIMILAR MARKING REPRESENTED ON THE DRAWINGS
NOTE:
ALL ROAD AND HARD-LANDSCAPING SURFACE TO ALIGN WITH LANDSCAPE ARCHITECTS PROPOSED SURFACE FINISHING.
ALL ROAD GULLIES, SILT TRAPS, FLOW CONTROL DEVICES AND ATTENUATION SYSTEMS TO BE INSPECTED REGULARLY AND MAINTAINED, AS APPROPRIATE AND IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND GUIDELINES.
THE INFORMATION ON THIS DRAWING IS TO THE TAILTE ÉIREANN - SURVEYING ITM COORDINATE SYSTEM
LEGEND:
Site Boundary
Area Granted Planning By Galway City Council REF: 24/60370
Shared Surface with Delineation (Refer to Landscape for Finishes)
Raised Platform Junction
Blister Tactile Paving
Proposed Dropped Kerb
Proposed Road Sign
Proposed Road Gradient and Road Camber
Proposed Road Level
Proposed Road Gully
Proposed Active Travel Surface
Proposed Corduroy Tactile Paving
Permeable Paving (in-curtilage Parking)
HSD Ensign Bollards
Drainage Kerbs
Printed/Textured Asphalt Band
Cycle Lane
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.
P03 26.06.2026 Road Safety Issue CK MN
P02 07.04.2026 Revised Site Plan CK MN
P01 26.03.2026 Issued For Planning MN RB
Rev Date Description By Chkd.
Client: Kingston Stables Ltd.
Project: Residential Development @Knocknacarra District Centre South Knocknacarra, Galway
Title: Proposed Roads Layout Sheet 1 of 3
Scale @ A1: 1:250 / @A3 1:500
Prepared by: MN
Checked by: RB
Date: March 2026
Drawing Status: Planning
TOBIN
Drawing No.: 11893-2107
Revision: P03
RECEIVED: 05/08/2026
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Appendix A-III FEEDBACK FORM

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Road Safety Audit Feedback Form

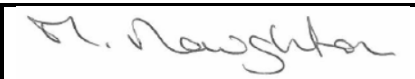
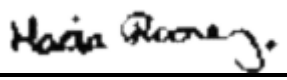
11893- Kingston Stables Ltd.

Residential Development at Kingston, Knocknacarra, Galway.

Audit Stage: Stage 1&2	Route: N/A	Date of Audit: 23/06/26

RECEIVED: 05/08/2026

To be Completed by Designer				To Be Completed by Audit Team Leader
Paragraph No. in Safety Audit Report	Problem accepted (yes/no)	Recommended Measures Accepted (yes /no)	Alternative Measures (describe). Give reason for not accepting recommended measure	Alternative Measures or reasons accepted by auditors (yes /no)
2.1	YES	YES		
2.2	YES	YES		
2.3	YES	YES		
2.4	YES	NO	The area in question is a shared surface/Homezone area and has been designed to promote low vehicle speeds and a pedestrian-priority environment. Soft landscaping is proposed behind the carparking spaces. The previously proposed dropped kerb delineation in front of the parking has been omitted and the surface finish is now continuous across the full width of the space.	Yes

Signed:		**Designer**	**Michael Naughton**	**Date:**	**03/07/2026**
Signed:		**Client**		**Date:**	*03/07/2026*
Signed:		**Audit Team Leader**	**Maria Rooney - TOBIN**	**Date:**	*09/07/2026*