

Title: **Stage 1 ROAD SAFETY AUDIT**

For;

Proposed Housing, Tay Lane, Rathcoole, Co. Dublin.

Client: **Riverside Projects Ltd.**

Date: **December 2022**

Report reference: **1704R01**

VERSION: **FINAL (19-12-2022)**

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CONTENTS SHEET

Contents

1.0	Introduction	2
2.0	Background	3
3.0	Issues Raised in This Road Safety Audit	4
3.1	Issue	4
3.2	Issue	4
3.3	Issue	5
3.4	Issue	5
4.0	Audit Statement.....	7
	Appendix A.....	8
	Appendix B.....	9
	Appendix C.....	11

1.0 Introduction

This report was prepared in response to a request from Mr. David Campbell, Riverside Projects Ltd., for a Stage 1 Road Safety Audit for a proposed residential development at Tay lane, Rathcoole, Dublin 24.

The Road Safety Audit Team comprised of;

Team Leader: **Norman Bruton**, BE CEng FIEI, Cert Comp RSA.

TII Auditor Approval no. NB 168446

Team Member: **Owen O'Reilly**, B.SC. Eng Dip Struct. Eng NCEA Civil Dip Civil. Eng CEng MIEI

TII Auditor Approval no. OO 1291756

The Road Safety Audit involved the examination of drawings and other material provided by the Design Team and a site visit by the Audit Team, together, on the 17th of November 2022.

The weather at the time of the site visits was dry and the road surface was damp.

This Stage 1 Road Safety Audit has been carried out in accordance with the requirements of TII Publication Number GE-STY-01024, dated December 2017.

The scheme has been examined and this report compiled in respect of the consideration of those matters that have an adverse effect on road safety. It has not been examined or verified for compliance with any other standards or criteria.

The problems identified in this report are considered to require action in order to improve the safety of the scheme for road users.

If any of the recommendations within this safety audit report are not accepted, a written response is required, stating reasons for non-acceptance. Comments made within the report under the heading of Observation are intended to be for information only. Written responses to Observations are not required.

The information supplied to the Audit Team is listed in **Appendix A**.

The feedback form is contained in **Appendix B**.

A plan drawing showing the location of the issues raised is contained in **Appendix C**.

ST 1 RSA – Tay Lane, Rathcoole Co. Dublin.

2.0 Background

It is proposed to construct ‘age friendly’ independent housing units off Tay Lane in Rathcoole, Co. Dublin. A planning application has been lodged with South Dublin County Council (Ref SD22A/0342) and a request for additional information has been sought.

Part of that request is for a Road Safety Audit to be carried out.

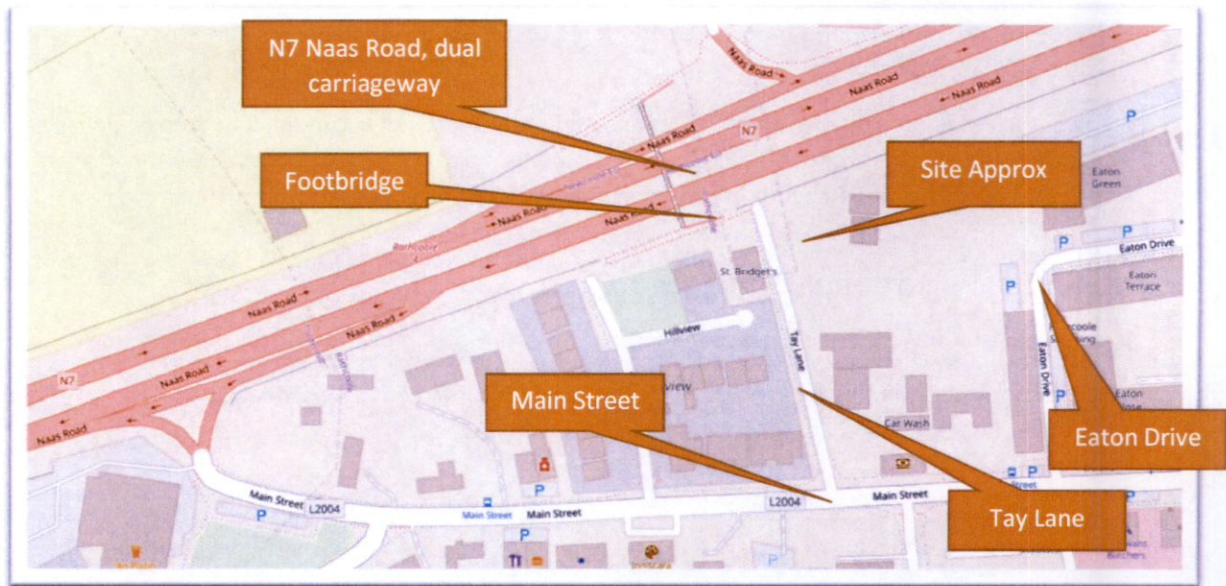
The exact wording is as follows,

(b) a stage 1 road safety audit, with particular focus on the pedestrian access to the west and east of the development.

It is proposed to provide a crossing point from the existing footpath on the western side of Tay Lane into the development and a continuous pedestrian provision to the main entrances of the accommodation. Tay lane is a quiet cul-de-sac which leads to the N7 pedestrian overbridge.

It is proposed to provide a footpath link to the site boundary adjacent to Eaton Drive on the eastern side of the development.

The site location map is shown below.



Site location map courtesy of openstreetmap.org

No data was available from the Road Safety Authority’s website on collisions due to an ongoing review of the policy on making such information available.

ST 1 RSA – Tay Lane, Rathcoole Co. Dublin.

3.0 Issues Raised in This Road Safety Audit.

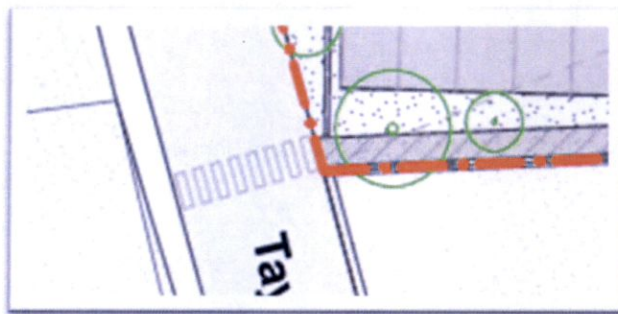
3.1 Issue

LOCATION

Drawing Rath A1-20 rev PL-01, Existing footpath on Tay Lane.

ISSUE

The 'age friendly' apartments will lead to much usage of the footpath by those who may be mobility impaired. It is important that access can be gained to the footpath without difficulty.



RECOMMENDATION

It is recommended that dropped kerbs be provided along with tactile paving at the proposed crossing location.

3.2 Issue

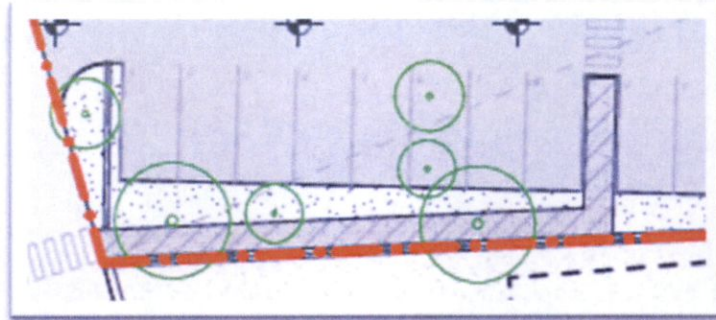
LOCATION

Drawing Rath A1-20 rev PL-01, Proposed footpath.

ISSUE

The proposed footpath within the development appears narrow. This could lead to a lack of space for those in wheelchairs. A lack of space could result in those users travelling on the carriageway instead thereby increasing the risk of colliding with vehicular traffic.

ST 1 RSA – Tay Lane, Rathcoole Co. Dublin.



RECOMMENDATION

Ensure the effective width of the footpath is suitable for the proposed demand.

3.3 Issue

LOCATION

Drawing Rath A1-20 rev PL-01, Refuse Vehicle.

ISSUE

The swept path of a refuse vehicle has not been provided. There is a risk that a refuse vehicle will not be able to exit the development with causing material damage to the street furniture (mount the footpath and the like). This could lead to future trip hazards.

RECOMMENDATION

Ensure the development access can cater for the swept path of refuse and emergency vehicles.

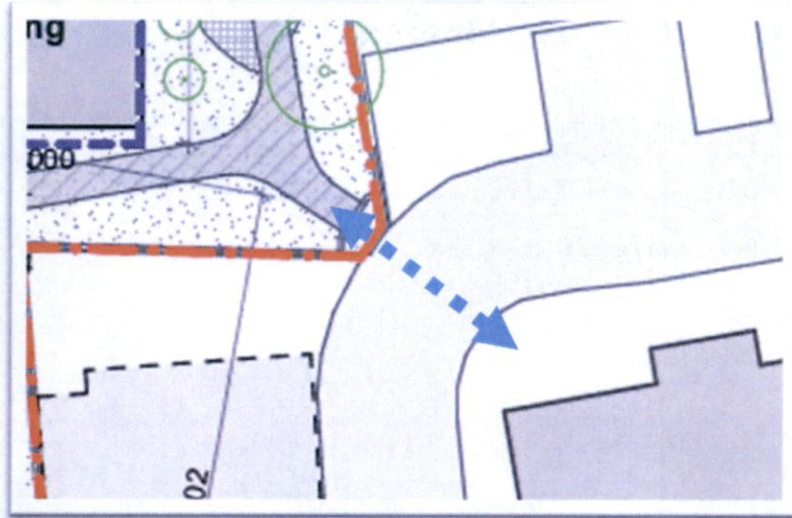
3.4 Issue

LOCATION

Drawing Rath A1-20 rev PL-01, Eaton Drive

ISSUE

The existing footpath on Eaton Drive is on the opposite side of the carriageway to the proposed development. Pedestrians will have a desire line to cross Eaton Drive. Without suitable crossing facilities this could lead to trips and falls.



RECOMMENDATION

It is recommended that dropped kerbs and tactile paving be provided to match with the existing dropped kerb at Eaton Drive.

4.0 Audit Statement

We certify that we have examined the information provided and the site on the 17th of November 2022. The examination has been carried out with the sole purpose of identifying any features of the design which could be removed or modified in order to improve the safety of the scheme.

The issues identified have been noted in this report together with associated safety improvement suggestions which we would recommend should be studied for implementation. The audit has been carried out by the persons named below who have not been involved in any design work on this scheme as a member of the Design Team.

Norman Bruton

Signed: Norman Bruton

(Audit Team Leader)

Dated: 19-12-2022 _____

Owen O'Reilly

Signed: Owen O'Reilly

(Audit Team Member)

Dated: 19-12-2022 _____

Appendix A

List of Material Supplied for this Road Safety Audit;

- Drawing A2-21 PROPOSED FIRST FLOOR PLAN
- Drawing A2-22 PROPOSED SECOND FLOOR PLAN
- Drawing A2-23 PROPOSED THIRD FLOOR PLAN
- Drawing A2-24 PROPOSED ROOF PLAN
- Drawing A1-20 SITE LAYOUT PLAN - PROPOSED
- Drawing A2-20 PROPOSED GROUND FLOOR PLAN

Appendix B

Feedback Form

AUDIT FORM – FEEDBACK ON ROAD SAFETY AUDIT REPORT

Scheme: Tay Lane, Rathcoole, Residential

Stage Audit: Stage 1

Date Audit (site visit) Completed: 17/11/2022

Paragraph No. in Road Safety Audit Report	Problem accepted (yes/no)	Recommended measure accepted (yes/no)	Alternative measures (describe)	Alternative measures accepted by Auditors (Yes/No)
3.1	Yes	Yes	Location shown on CORA drawing C.006 (Rev P01)	Yes
3.2	Yes	Yes	Footpath widths increased to 1500mm within the development	Yes
3.3	No	No	Autotracking profile on CORA drawing C011 (Rev PLO2) demonstrates access and egress route for Refuse vehicle.	Yes
3.4	Yes	Yes	Crossing facilities from site to dished kerb on east side of Eaton Drive added. Refer to C001.	Yes (assumed zebra type markings not to be applied and for illustration purposes only)

Signed John Pigott – CORA Consulting Engineers
Design Team Leader

Date 19/12/2022

Signed *Norman Bawton*
Audit Team Leader

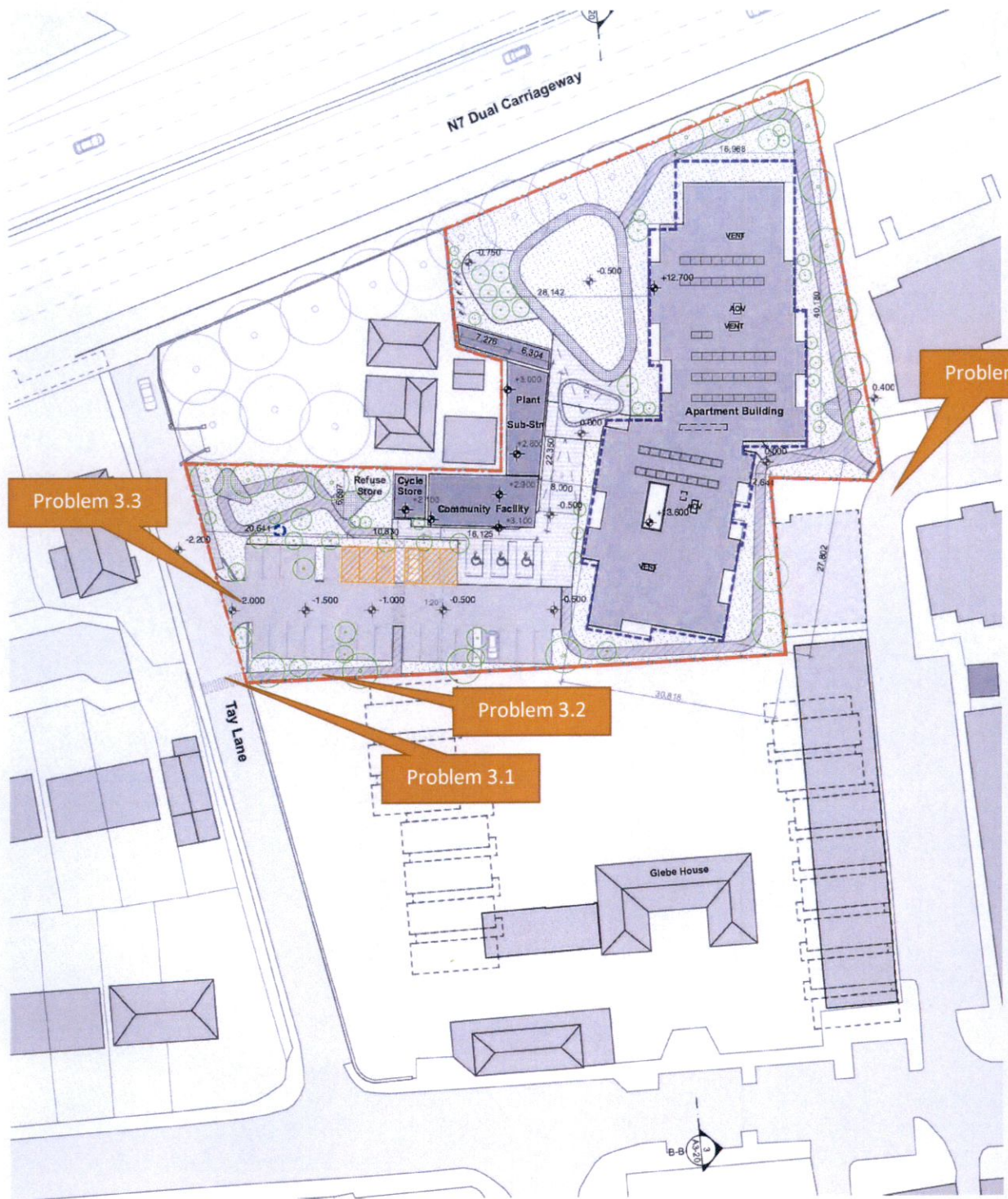
Date: 19-12-2022

Signed: Mike Martin
Employer

Date: 19/12/22

Appendix C

Problem Location Plan.



Problem 3.3

Problem 3.4

Problem 3.2

Problem 3.1

