

Title: Stage 1&2 ROAD SAFETY AUDIT

For;

St. Joseph's Housing Development, Ballinasloe, Co. Galway.

Client: Galway Co. Co.

Date: April 2023

Report reference: 1808R01

VERSION: FINAL (4-4-2023)

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CONTENTS SHEET

Contents

1.0	Introduction	2
2.0	Background	3
3.0	Items Raised in This Stage 1&2 Road Safety Audit.	4
3.1	Problem.....	4
3.2	Problem.....	5
3.3	Problem.....	6
3.4	Problem.....	7
4.0	Observations	8
4.1	Observation.....	8
5.0	Audit Statement.....	8
	Appendix A.....	9
	Appendix B.....	10
	Appendix C.....	12

1.0 Introduction

This report was prepared in response to a request from Mr. John Shannon, McKenna Consulting Engineers, for a Stage 1&2 Road Safety Audit of a proposed St. Joseph's Housing Development in Ballinasloe, Co. Galway on behalf of Galway County Council.

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. OO1291756

The Road Safety Audit involved the examination of drawings and other material provided by the Design Team and a site visit on the 29th of March 2023.

The weather at the time of the site visit was dry and the road surface was wet from previous rain.

This Stage 1&2 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 problem locations is contained in **Appendix C**.

2.0 Background

It is proposed to construct a new residential development at St. Joseph's Place in Ballinasloe, Co. Galway. The development consists of 8 no. residential houses within the existing estate which will include 12 no. car parking spaces and 16 no. cycle parking spaces.

St Joseph's is accessed off the R446 (Old N6) Regional Road via a simple priority junction in the urban areas of Ballinasloe and with a speed limit of 50km/hr.

Access to the proposed development will be via St. Joseph's Place for general traffic. Refuse vehicles and fire tenders will access the site via a one-way loop which avoids the need for a turning head for such large vehicles.

There is a pedestrian footpath to the north which leads to Scoil Ui Cheithearnaigh.

The speed limit within the development is 30km/hr.

The site location is shown below.

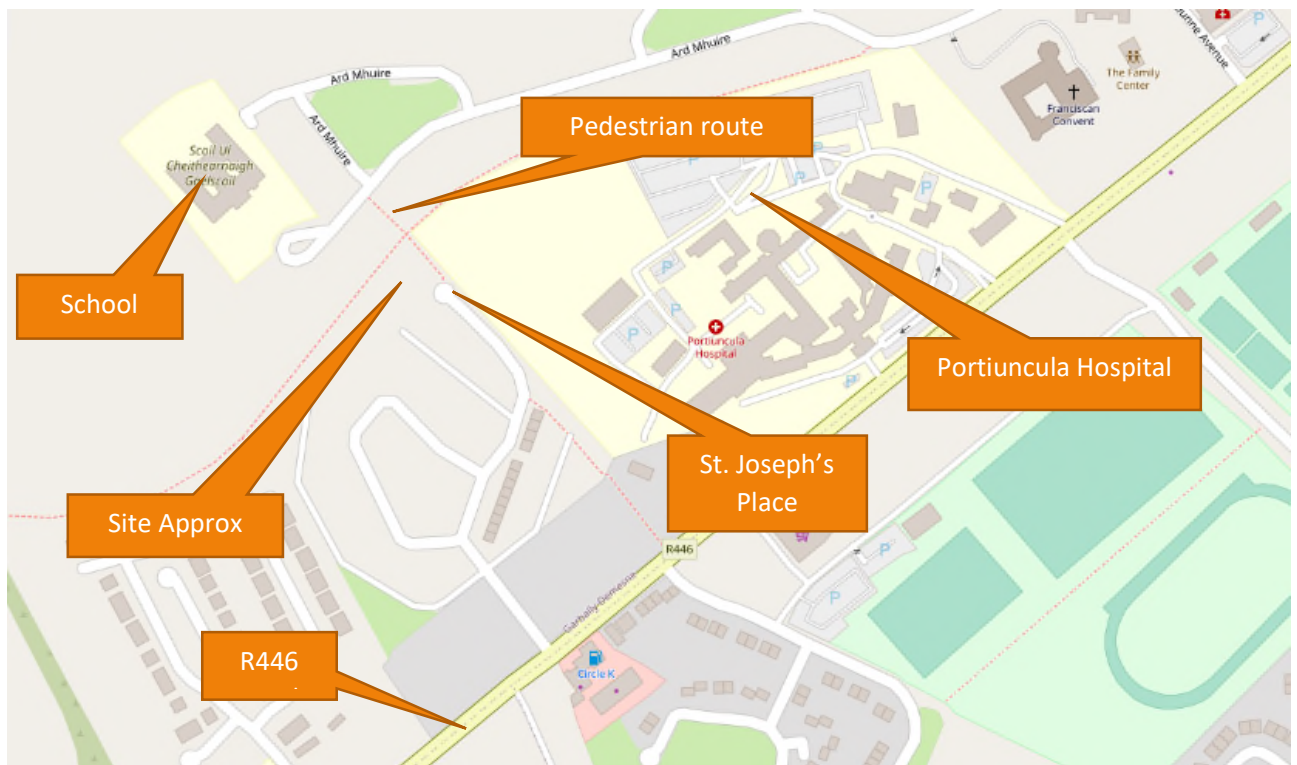


Image courtesy of openstreetmap.org

3.0 Items Raised in This Stage 1&2 Road Safety Audit.

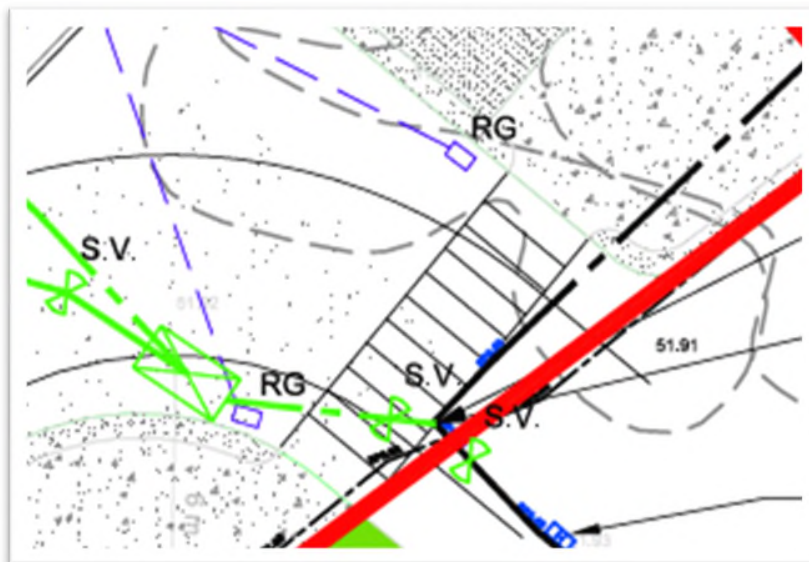
3.1 Problem

LOCATION

Drawing 22316/CE/001/PL Rev PL, Pedestrian crossing at St. Joseph's Place.

PROBLEM

Zebra crossing type markings are shown on the drawings for the pedestrian crossing at St. Joseph's Place which links to the pedestrian link to the school. These markings, if installed, may give rise to confusion over priority. A pedestrian may think that they have priority akin to a zebra crossing but a driver may not assume so given the absence of beacons and other road markings. The confusion may lead to collisions with pedestrians.



RECOMMENDATION

It is recommended that at the detailed design stage that the striped road markings be omitted.

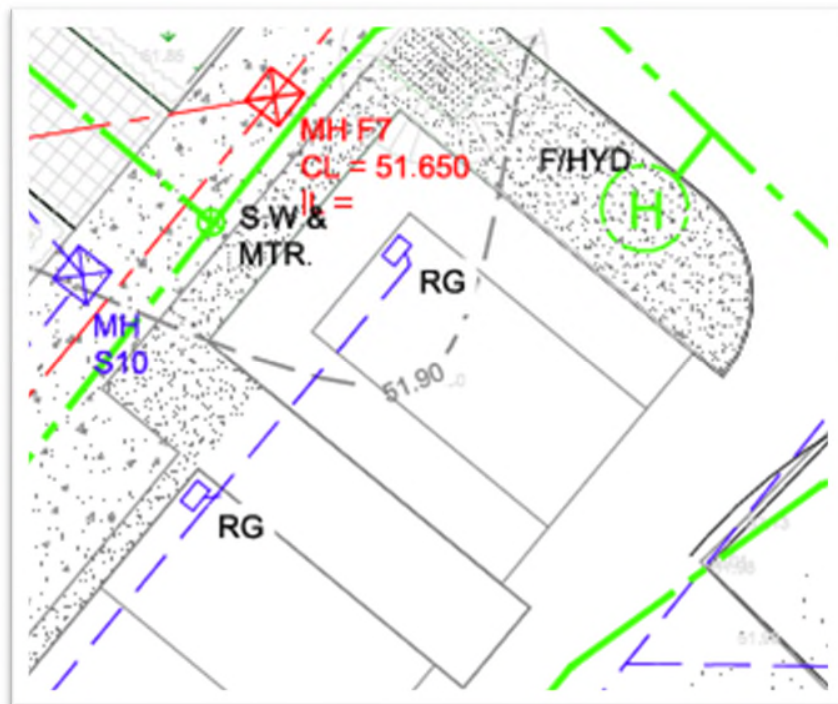
3.2 Problem

LOCATION

Drawing 22316/CE/001/PL Rev PL, Disabled parking bay.

PROBLEM

It is proposed to provide a disabled parking bay adjacent to house no. 1. It is unclear if a dropped kerb is proposed to allow access from the bay to the footpath network. A lack of a dropped kerb could lead to inaccessibility for some and possible trips and falls.



RECOMMENDATION

It is recommended that at detailed design stage that a dropped kerb be provided to allow access to the footpath network.

3.3 Problem

LOCATION

Drawing 22316/CE/001/PL Rev PL, Footpath leading to the school.

PROBLEM

The existing footpath leading to the school has a downhill gradient towards the school. It may be difficult for some mobility impaired users to travel up given its length and gradient. This could lead to falls.



RECOMMENDATION

It is recommended that a relatively flat rest area be provided along the route for some mobility impaired users to take a break.

ST 1 & 2 RSA—ST. JOSEPH'S
GALWAY CO. CO.

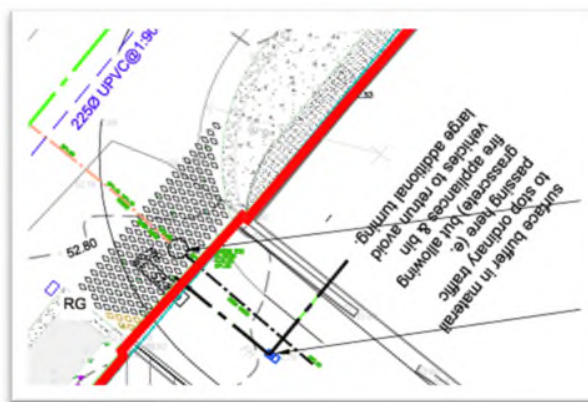
3.4 Problem

LOCATION

Drawing 22316/CE/001/PL Rev PL, Loop system for refuse vehicles.

PROBLEM

It is proposed to have a one-way loop system for refuse vehicles and emergency vehicles. Grasscrete or similar is proposed to distinguish the surface. Given that the lane is surfaced and it provides a more direct link to the R446 it will most likely form the pedestrian desire line. An unsuitable surface for pedestrians could lead to slips and falls



RECOMMENDATION

It is recommended therefore that whatever surface is chosen at the detailed design stage that it is suitable for pedestrians to use.

It is assumed that the one-way system will be self-regulated by residents who will prohibit general traffic from using the route. Some signage and road markings may be required if this is not been adhered to.

4.0 Observations

4.1 Observation

It is assumed that dropped kerbs and tactile paving will be provided at each access point to the footpath network.

It is assumed that suitable public lighting will be provided.

5.0 Audit Statement

We certify that we have examined the information provided and the site. 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 problems 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: 
(Audit Team Leader) Dated: 4-4-2023

Owen O'Reilly Signed: 
(Audit Team Member) Dated: 4-4-2023

Appendix A

List of Material Supplied for this Road Safety Audit;

- Drawing 22316/CE/001/PL Rev PL,
- Drawing OBFA-V1-ZZ-DR-A-2001 Sk
For Information
- Transport Assessment Report, NRB Consulting Engineers, March 2023.

Appendix B

Feedback Form

SAFETY AUDIT FORM – FEEDBACK ON AUDIT REPORT

Scheme: St. Joseph's , Ballinasloe

Stage: 1 Road Safety Audit

Date Audit (Site Visit) Completed: 29-3-2023

Paragraph No. in 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	_____	—
3.2	yes	yes	_____	—
3.3	yes	yes	_____	—
3.4	yes	yes	_____	—

Signed *Janice*
Design Team Leader

Date 4/4/23

Signed *Norman Banton*
Audit Team Leader

Date 4-4-2023

Signed *John Murphy*
Employer/Developer

Date 4/4/23

Appendix C

Problem Location Plan.

