

**Title: STAGE 1 ROAD SAFETY AUDIT**

**For**

**Proposed Strategic Housing Development, Northwood, Santry,  
Co. Dublin.**

**Client: Waterman Moylan**

**Date: January 2022**

**Report reference: 1363R01**

**VERSION: FINAL (March 2022)**

**Prepared By:**

**Bruton Consulting Engineers Ltd**

Glaspistol

Clogherhead

Drogheda

Co. Louth.

Tel: 041 9881456

Mob: 086 8067075

E: [admin@brutonceng.ie](mailto:admin@brutonceng.ie)

W: [www.brutonceng.ie](http://www.brutonceng.ie)

## CONTENTS SHEET

### Contents

1.0	Introduction .....	2
2.0	Background .....	3
3.0	Issues Identified in This Audit. ....	5
3.1	Problem.....	5
3.2	Problem.....	5
3.3	Problem.....	6
3.4	Problem.....	7
4.0	Observations.....	8
4.1	Observation.....	8
5.0	Audit Statement.....	9
	Appendix A.....	10
	Appendix B - Problem Location Map .....	11
	Appendix C .....	0

## 1.0 Introduction

This report was prepared in response to a request from Ms. Penelope Ingle, Waterman Moylan Consulting Engineers, for a Stage 1 Road Safety Audit of a proposed strategic housing development at Northwood, Santry, Co. Dublin.

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 comprised an examination of the drawings and a site visit by the Audit Team, together, on the 19<sup>th</sup> of January 2022.

The weather at the time of the daytime site visit 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.

A list of the documents provided to the Audit Team is contained in **Appendix A**.

A Problem Location Map is contained in **Appendix B**.

A feedback Form is contained in **Appendix C**.

## STAGE 1 RSA –NORTHWOOD WATERMAN MOYLAN

### 2.0 Background

It is proposed to construct a strategic housing development at Northwood, Santry, Co. Dublin. The development would consist of 284 no. apartment units and creche (295m<sup>2</sup>) and offices (3,898 m<sup>2</sup>) on an existing vacant site.

Northwood Avenue is a two-way single carriageway road.

Santry Avenue and the R108 are bus routes.

Vehicular access to the site would be from a priority junction on Northwood Road and two pedestrian accesses would also be provided onto Northwood Crescent.

The internal roads would be 5.0m wide with a speed limit of 30km/hr.

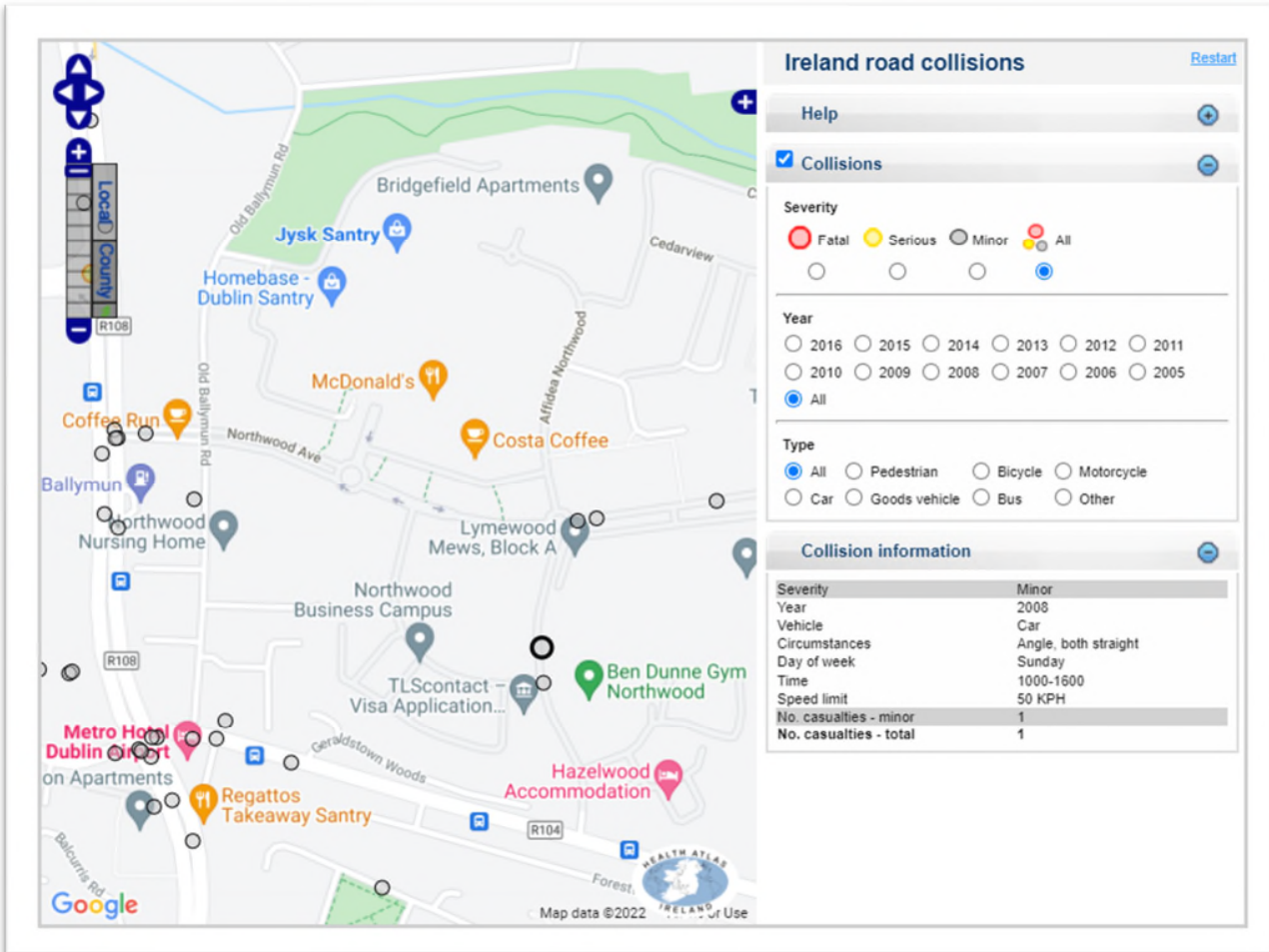
The site location is shown in the map below.



*Image courtesy of Waterman Moylan.*

**STAGE 1 RSA –NORTHWOOD  
WATERMAN MOYLAN**

The Road Safety Authority’s website ([www.rsa.ie](http://www.rsa.ie)) shows that there were four recorded, minor injury collisions adjacent to the site in the years 2005 to 2016. Two collisions were at the Northwood Avenue roundabout and two along Northwood Road.



STAGE 1 RSA –NORTHWOOD  
WATERMAN MOYLAN

### 3.0 Issues Identified in This Audit.

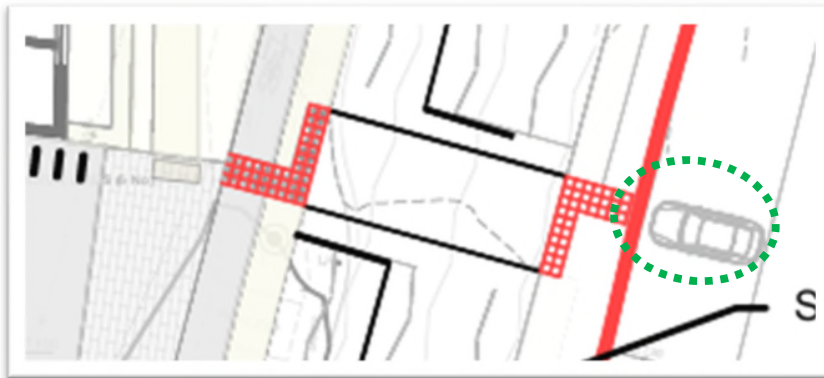
#### 3.1 Problem

*LOCATION*

Drawing 21-033 P121 Rev -

*PROBLEM*

It is proposed to relocate the signalised pedestrian crossing on Northwood Road north of the existing crossing and away from the proposed access to the development. The proposed location is at a perpendicular parking area. Drivers accessing/egressing from the parking spaces may collide with waiting pedestrians or the traffic signal infrastructure.



*RECOMMENDATION*

It is recommended that the crossing be located away from the parking area or that the parking be relocated away from the crossing point.

#### 3.2 Problem

*LOCATION*

Drawing 21-033 P121 Rev -

*PROBLEM*

There is an existing two way cycle track (albeit in disrepair) along Northwood Road and Northwood Avenue with a zebra crossing of Northwood Avenue connecting with the cycling network on the northern side of the road. Provision for cycling is not shown on the drawings and it is unclear if the zebra crossing is to be retained. A lack of dedicated facilities for cyclists will lead to sharing the carriageway with general traffic which will increase the risk and severity of collisions.



## STAGE 1 RSA –NORTHWOOD WATERMAN MOYLAN



### RECOMMENDATION

It is recommended that the cycle facilities be retained/upgraded.

### 3.3 Problem

#### LOCATION

Drawing 21-033 P121 Rev -

#### PROBLEM

The existing Zebra crossing on Northwood Avenue has L shaped tactile paving which is not shown on the drawings. This may lead to confusion as to where to cross for blind or partially sighted pedestrians.



### RECOMMENDATION

It is recommended that the tactile paving be retained.

## STAGE 1 RSA –NORTHWOOD WATERMAN MOYLAN

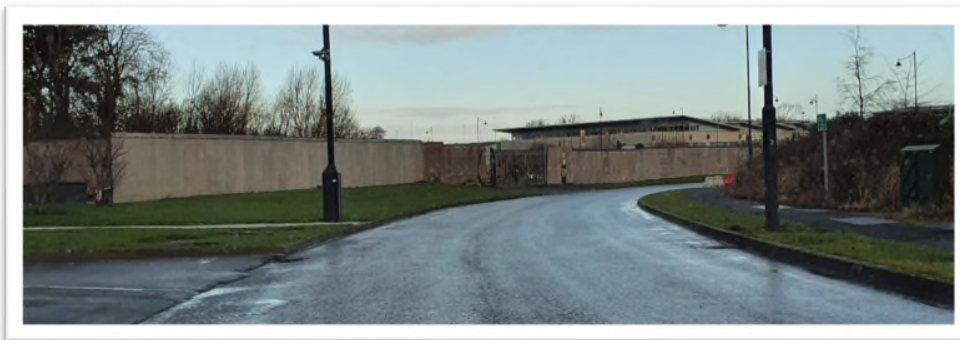
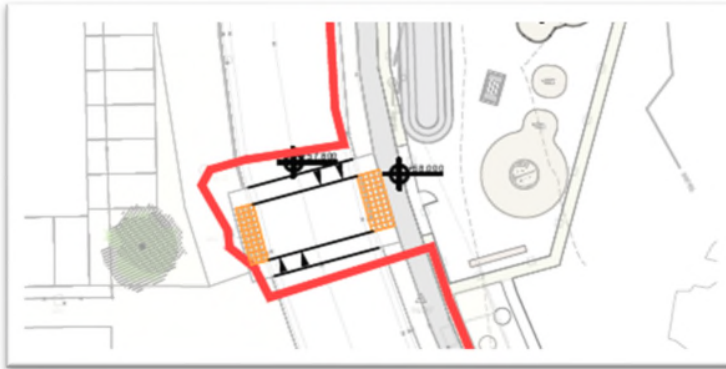
### 3.4 Problem

#### LOCATION

Drawing 21-033 P121 Rev -

#### PROBLEM

The proposed uncontrolled pedestrian crossing of Northwood Crescent leads to an area currently without footpaths. It is unclear if there will be footpaths there in the future. If pedestrians travel on a grassed surface they may slip and fall.



#### RECOMMENDATION

It is recommended that the footpath be made continuous with the existing network.



## STAGE 1 RSA –NORTHWOOD WATERMAN MOYLAN

### 4.0 Observations.

#### 4.1 Observation

The centre line road markings at the relocated pedestrian crossing on Northwood Road appear to be drawn in the incorrect location. It is assumed that this is a draughting error.



## 5.0 Audit Statement

We certify that we have examined the site on the 19<sup>th</sup> of January 2022. The examination has been carried out with the sole purpose of identifying any aspects of the design which could be added, 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: 24/3/2022

**Owen O'Reilly**                      Signed:   
**(Audit Team Member)**              Dated: 24/3/2022

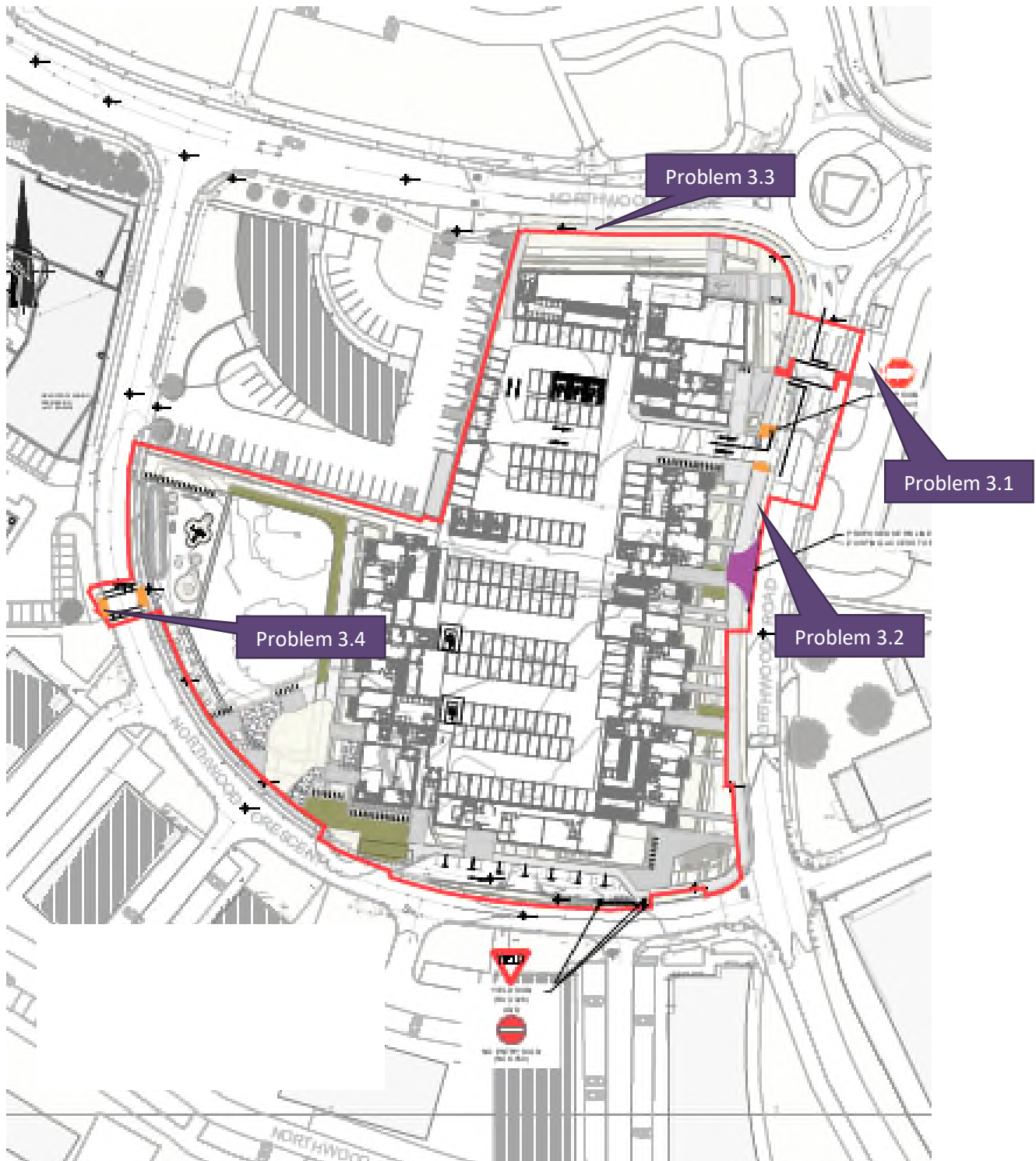
## Appendix A

### **Information Supplied to the Audit Team**

- Drawing 21-033 P001 Rev –
- Drawing 21-033 P110 Rev –
- Drawing 21-033 P121 Rev –
- Traffic & Transport Assessment.

STAGE 1 RSA – NORTHWOOD  
WATERMAN MOYLAN

Appendix B - Problem Location Map



## Appendix C


### Feedback Form

**SAFETY AUDIT FORM – FEEDBACK ON AUDIT REPORT**


**SAFETY AUDIT FORM – FEEDBACK ON AUDIT REPORT**

Scheme: SHD Northwood Santry  
Stage: 1 Road Safety Audit  
Date Audit (Site Visit) Completed: 19-1-2022

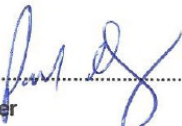
Paragraph No. in Safety Audit Report	Problem accepted (yes/no)	Recommended measure accepted (yes/no)	Alternative measures (describe)	Alternative measures accepted by Auditors (Yes/No)
3.1	No	No	This parking area should have a fence between the parking and the main road.	Yes
3.2	Yes	No	This does not fall within our site boundary however it will be maintained as part of other works.	Yes
3.3	Yes	No	This does not fall within our site boundary however it will be maintained as part of other works.	Yes
3.4	Yes	Yes	The pedestrian crossing has been moved south to tie-into an existing footpath (see attached Architects drawing for details)	Yes

Signed.....  
Design Team Leader

Date..... 08/03/2022

Signed.....  
Audit Team Leader

Date..... 8/3/2022

Signed.....  
Employer

Date..... 9/3/22