

23018-01-001

**Proposed Cycle Facilities and  
Junction Improvements at  
Dooradoyle, Limerick.**

**ROAD SAFETY AUDIT STAGE 1**

**August 2023**

**ROADPLAN**  
CONSULTING

7, Ormonde Road  
Kilkenny.  
R95 N4FE

Tel: 056 7795800  
[info@roadplan.ie](mailto:info@roadplan.ie)  
[www.roadplan.ie](http://www.roadplan.ie)

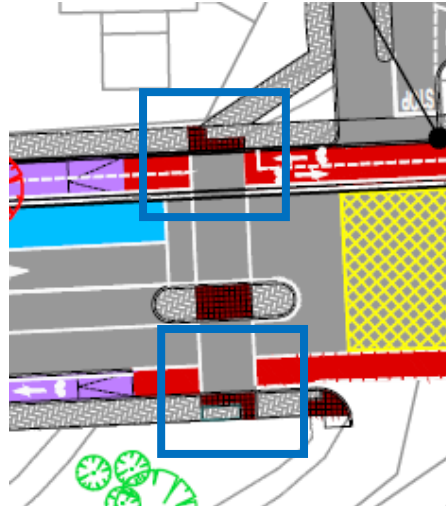
## 1. INTRODUCTION

- 1.1 This report describes a Stage 1 Road Safety Audit carried out at St. Nessian's Road, Limerick, on behalf of MRG Consulting Engineers Ltd. The audit was carried out on the 6<sup>th</sup> April 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 RF1337391
- 1.3 Both audit team members visited the site on the 21<sup>st</sup> March 2023. The audit comprised an examination of the drawings relating to the scheme supplied by MRG Consulting Engineers Ltd. and an examination of the site.
- 1.4 The speed limit of St. Nessian's Road throughout the scheme road is 50 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 / 2 AUDIT

### 2.1 Problem

A signalised crossing is provided at the Ballykeeffe estate signalised crossing; however, cyclists are not informed to yield to pedestrians when crossing the carriageway. This may lead to confusion for pedestrian and cyclist, increasing the risk of a collision.



### Recommendation

Measures should be provided to ensure cyclists are given sufficient warning to yield to pedestrians.

### 2.2 Problem

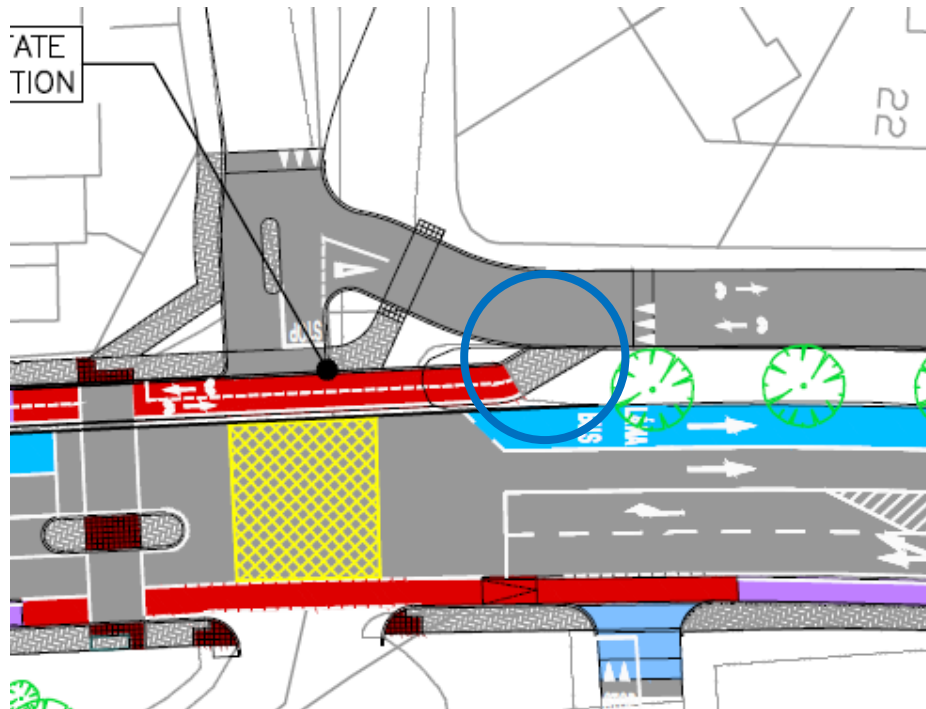
Corduroy tactile paving has not been provided at the pedestrian crossing locations throughout the scheme. This may contribute to pedestrian / cyclist collisions at the crossings.

### Recommendation

Tactile paving should be provided.

### 2.3 Problem

Ballykeeffe Estate Road is donated as a shared street. However, no facilities are provided for cyclists travelling northbound on the proposed cycle track to safely access the shared street and that the dedicated cycle tract is terminating. In addition, no information is provided to a cyclist to inform them that they are entering a shared street. This may contribute to cyclist collision with a passing vehicle.

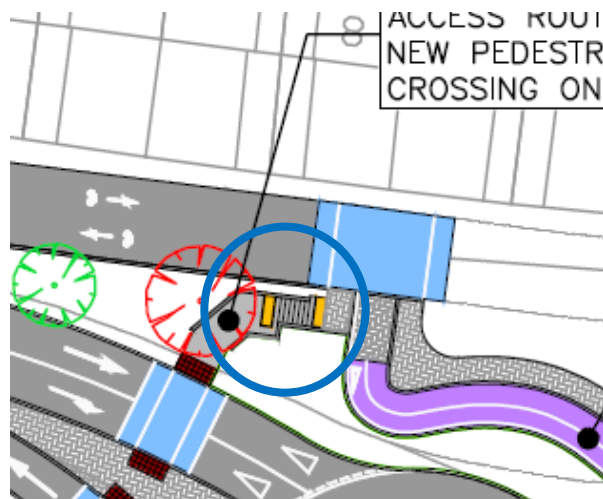


### Recommendation

Provide adequate cycle facilities to allow a cyclist access the shared street. Ensure information is provided to inform a cyclist that they are entering a shared street.

### 2.4 Problem

Steps are proposed at a pedestrian access onto Ballykeeffe Estate Rd. Steps pose a risk to visually impaired pedestrians.

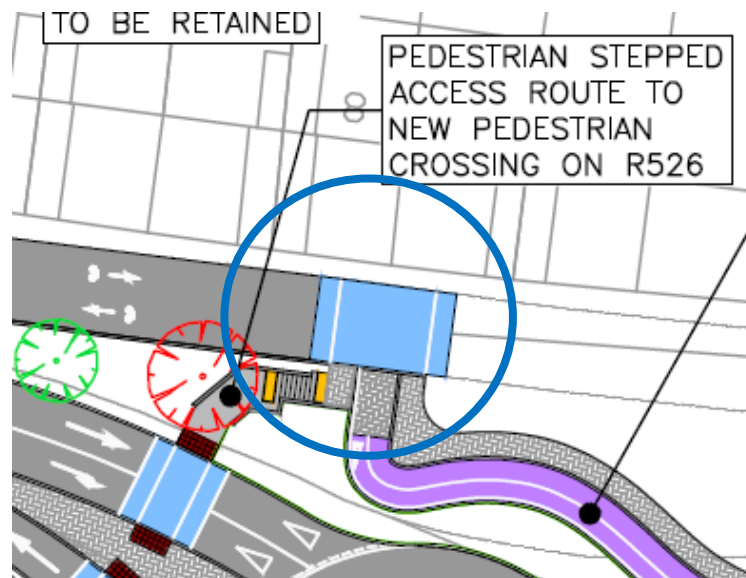


### Recommendation

Ensure corduroy paving is provided at the top and bottom of the steps to warn visually impaired pedestrians.

## 2.5 Problem

A proposed raised pedestrian crossing is provided on Ballykeeffe Estate Road adjacent to house no. 7 & house no. 8. The crossing is provided adjacent to the vehicular access to both of the houses. It is unclear if a pedestrian has priority or a vehicle entering or exiting the driveway has priority. This may result in conflict between pedestrians using the crossing and a vehicle entering or exiting the driveway which may contribute to a collision between a vehicle and a pedestrian at this location.



## Recommendation

Relocate the crossing to ensure it does not conflict with a vehicular entrance to a residential dwelling.

## 2.6 Observation

The location of signal poles at the signalised junctions, belisha beacons at Zebra crossings and posts for all road signage are not indicated on the drawings provided. It is assumed that the position of this street furniture and clearance to sign faces will be taken into consideration in the detailed design stage to avoid any conflict with pedestrians or cyclists on the proposed cyclepaths and footpaths.


## 2.7 Observation

Details of the proposed public lighting has not been provided. It is assumed that adequate street lighting will be provided and will be located to avoid conflict with pedestrians or cyclists on the proposed cycle paths and footpaths.

**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 design that could be removed or modified to improve the safety of the scheme.

Signed.....  ..... George Frisby  
Date .....6<sup>th</sup> April 2023.....

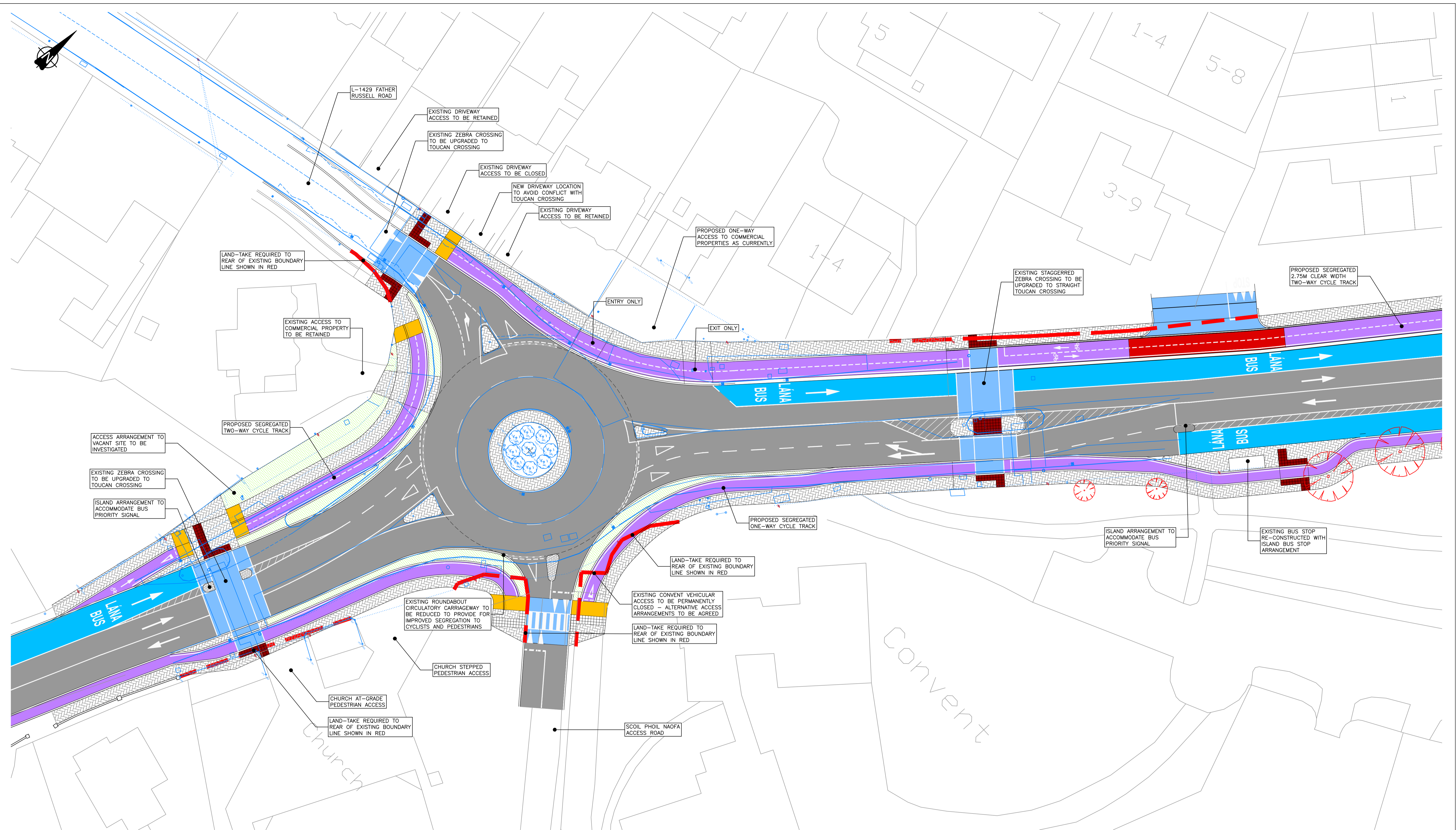
Signed.....  ..... Richard Frisby  
Date .....6<sup>th</sup> April 2023.....

## APPENDIX A

### List of Drawings Examined

The following drawings have been provided electronically in Pdf format by MRG Consulting Engineers Ltd.

Drawing number	Rev	Drawing title
120022-SPJ-OPT2A	-	St Paul's Junction – Option 2A
120022-BKR-OPT2	-	Ballykeeffe Roundabout Junction – Option 2
120022-271	-	R526 St. Nessans Road St. Pauls Rbout to Ballykeeffe Rbout Emerging Preferred Option



**NOTES:**

1. ALL DIMENSIONS ARE IN MILLIMETRES – FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALED DIMENSIONS.
2. ALL LEVELS ARE IN METRES AND RELATE TO ORDNANCE DATUM MALIN HEAD.

DRAFT  
25.11.2022

Ordnance Survey Ireland Licence No EN 0034821  
Ordnance Survey Ireland and Government of Ireland.

**LEGEND:**

- |  |  |  |  |
|--|--|--|--|
| 1. PROPOSED CARRIAGEWAY SURFACE DENOTED THIS.....                          |  | 6. PROPOSED RED TACTILE PAVING AT CONTROLLED CROSSING LOCATION.....                      |  |
| 2. PROPOSED FOOTPATH DENOTED THIS.....                                     |  | 7. PROPOSED RAISED ENTRY TREATMENT DENOTED THIS.....                                     |  |
| 3. PROPOSED RAISED CYCLE TRACK DENOTED THIS.....                           |  | 8. PROPOSED BEVELLED KERBS AT ENTRANCE DENOTED THIS.....                                 |  |
| 4. PROPOSED ON-ROAD CYCLE LANE DENOTED THIS.....                           |  | 9. PROPOSED BOUNDARY TO BE SET-BACK DENOTED THIS.....                                    |  |
| 5. PROPOSED CORDUROY TACTILE PAVING AT CROSSING LOCATION DENOTED THIS..... |  | 10. EXISTING TREE TO BE REMOVED..... TREES/PLANTING TO BE PROVIDED TO COMPENSATE REMOVAL |  |
|  |  | 11. EXISTING SURVEYED FEATURES SHOW THIS IN BLUE.....                                    |  |

**Comhairle Cathrach & Contae Luimnigh**  
 Limerick City & County Council

**NTA**  
 Údarás Náisiúnta Iompair  
 National Transport Authority

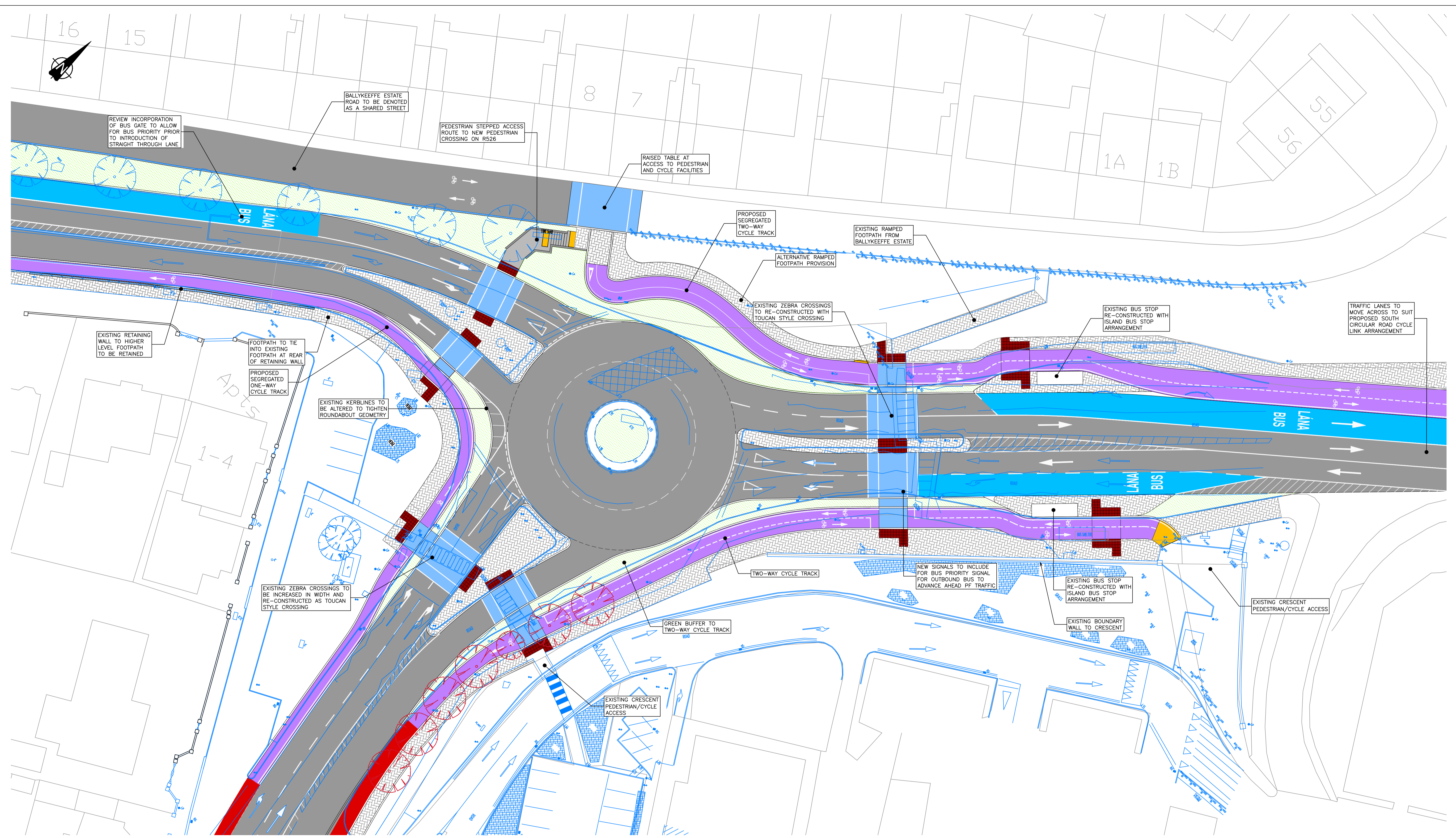
0	30.08.21	ORIGINAL			
Issue	Date	Revisions	Drawn	Checked	Approved
			DOC	TH	CS

**MRG**  
 consulting engineers  
 No.4 Day Place, Tralee, County Kerry.  
 T: (0667)232330 Fax: (0667)232384 E-Mail: info@mrq.ie  
 also: Elysium Business Centre, Second Floor, Breefni House, Watercourse Road, Blackpool, Cork.

MRG Consulting Engineers Limited    Civil Structural Architectural Environmental

Project LIMERICK CITY & COUNTY COUNCIL DOORADOLE CYCLE LANES & JUNCTION IMPROVEMENT		
Drawing ST PAUL'S JUNCTION OPTION 2A ALTERNATIVE FRR CROSSING LOCATION		
Drawn D O'Carroll Date 30.08.2022 Scale 1:250 AT A1 1:500 AT A3	Project No. 120022	Drawing No. 120022-SPJ-OPT2A





**NOTES:**

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DRAFT  
25.11.2022

**LEGEND:**

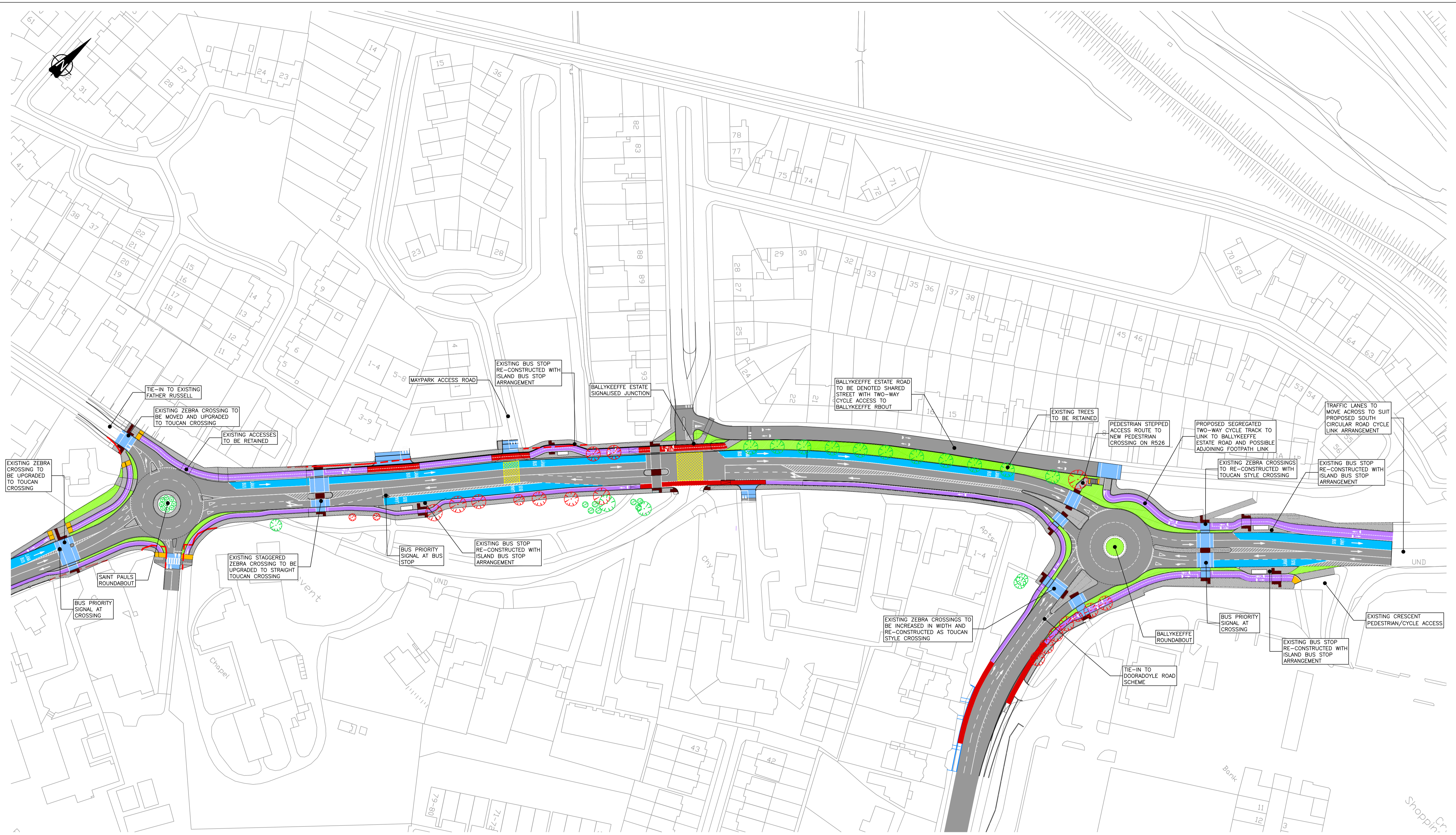
- |  |  |  |  |
|--|--|--|--|
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| 4. PROPOSED ON-ROAD CYCLE LANE DENOTED THIS.....                           |  | 9. PROPOSED LAND-TAKE LINE DENOTED THIS.....   |  |
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**Comhairle Cathrach & Contae Luimnigh**  
 Limerick City & County Council  
  
  
**NTA**  
 Údarás Náisiúnta Iompair  
 National Transport Authority

Issue	Date	Revisions	Drawn	Checked	Approved
0	27.01.22	ORIGINAL	CG	TH	CS

**MRG**  
 consulting engineers  
 No.4 Day Place, Tralee, County Kerry.  
 T: (066)712330 Fax: (066)712334 E-Mail: info@mr.ie  
 also: Elysium Business Centre, Second Floor, Brehin House, Watercourse Road, Blackpool, Cork.  
 MRG Consulting Engineers Limited Civil Structural Architectural Environmental

Project LIMERICK CITY & COUNTY COUNCIL DOORADOYLE CYCLE LANES & JUNCTION IMPROVEMENT		
Drawing BALLYKEEFFE ROUNDABOUT JUNCTION OPTION 2		
Drawn D O'Carroll Date 28.09.2021 Scale 1:250 AT A1 1:500 AT A3	Project No. 120022	Drawing No. 20022-BKR-OPT2



- NOTES:**
1. ALL DIMENSIONS ARE IN MILLIMETRES – FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALED DIMENSIONS.
  2. ALL LEVELS ARE IN METRES AND RELATE TO ORDNANCE DATUM MALIN HEAD.

DRAFT  
25.11.2022

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Ordnance Survey Ireland and Government of Ireland.

- LEGEND:**
- |  |  |  |  |
|--|--|--|--|
| 1. PROPOSED CARRIAGEWAY SURFACE DENOTED THIS.....                          |  | 6. PROPOSED RED TACTILE PAVING AT CONTROLLED CROSSING LOCATION.....                      |  |
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 Limerick City & County Council  
  
  
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0	24.02.22	ORIGINAL			
Issue	Date	Revisions	Drawn	Checked	Approved
			CG	TH	CS

**MRG**  
 consulting engineers  
 No.4 Day Place, Tralee, County Kerry.  
 T: (066)7123130 Fax: (066)7123384 E-Mail: info@mr.ie  
 also: Elysium Business Centre, Second Floor, Brehin House, Watercourse Road, Blackpool, Cork.

MRG Consulting Engineers Limited    Civil Structural Architectural Environmental

<b>Project</b> LIMERICK CITY & COUNTY COUNCIL DOORADOYLE CYCLE LANES & JUNCTION IMPROVEMENT		
<b>Drawing</b> R526 ST. NESSANS ROAD ST. PAULS ABOUT TO BALLYKEEFFE ABOUT EMERGING PREFERRED OPTION		
Drawn C Griffin Date 24.02.2022 Scale 1:750 AT A1 1:1500 AT A3	Project No. <b>120022</b>	Drawing No. <b>120022-271</b>

## SAFETY AUDIT FEEDBACK FORM

**Scheme:** Proposed Cycle Facilities & Junction Improvements at Dooradoyle,  
Limerick – St. Nessan’s Rd Cycle Facilities

**Document Number:** 23018-01-001

**Audit Stage:** Stage 1 RSA

**Date Audit Completed:** 6/4/23

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	-----	-----

Safety Audit Signed off Thomas Horan Design Team Leader

Print Name THOMAS HORAN

Date 21/6/22

Safety Audit Signed off Niamh Wilson Employer

Print Name Niamh Wilson

Date 26/06/2023

Safety Audit Signed off George Frisby Audit Team Leader

Print Name George Frisby

Date 17/8/23

Please complete and return to:

Roadplan Consulting  
7, Ormonde Road  
Kilkenny  
E-mail: info@roadplan.ie