	2023-21006-02	
South East Greenway Linkage		
Design - Glenmore		
ROAD SAFETY AUDIT STAGE 1		
luby 2022		
July 2023		
	Ray Butler	
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1. INTRODUCTION

- 1.1 This report describes a Stage 1 Road Safety Audit carried out at Slieverue and Glenmore on the South East Greenway Linkage. The audit was carried out on 27 January 2023.
- 1.2 The audit team members were as follows:
 - Ray Butler, BE CEng MIEI
 Auditor Number RB210538
 - Richard Frisby, BSc AEng MIEI.
 Auditor Number RF13337391
- 1.3 Both audit team members visited the site on the 24th of January 2023. The audit comprised an examination of the drawings relating to the scheme supplied by Roadplan Consulting and an examination of the site.
- 1.4 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.
- 1.5 The problems described in this report are considered by the audit team to require action to improve the safety of the scheme and minimise collision occurrence.
- 1.6 Appendix A describes the audited drawings.

2. STAGE 1 AUDIT

2.1 Problem

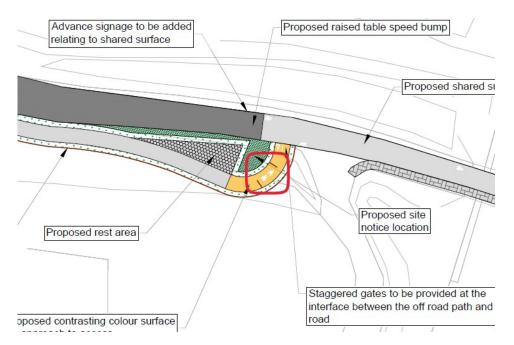
Glenmore village currently has a posted speed limit of 50km/h. This is too high for a shared surface and increases the risk of more serious collisions between motor vehicles and vulnerable road users.

Recommendation

Provide a speed limit of 30km/h on the shared surface and introduce measures to inform drivers that this is an appropriate speed for this section of road.

2.2 Problem

The staggered gates layout shown on the drawings is incorrect. The gate on the left side of the greenway should precede the gate on the right side. The layout shown will have little impact on the reduction of cyclist speed on the approach to the junction and may result in cyclists overshooting the yield/stop line into the path of oncoming traffic.



Recommendation

Provide correct gate stagger where it is deemed that this layout is necessary to reduce cyclist speed.

2.3 Problem

The shared surface section on the L7501 currently has a posted speed limit of 80km/h. This is too high for a shared surface and increases the risk of more serious collisions between motor vehicles and vulnerable road users.

Recommendation

Provide a speed limit of 30km/h on the shared surface and introduce measures to inform drivers that this is an appropriate speed for this section of road.

2.4 **Observation**

Longitudinal sections were not provided. The vertical alignment in the Glenmore area may be challenging. The overall gradient along a cycle route is an important design consideration. Comfort and attractiveness of a cycleway will be greatly increased if the route follows a shallow gradient. The gradient of a cycle facility impacts on two issues; the physical limitations of a cyclist to climb steep inclines and maintain speed, and their ability to stop when descending steep inclines. Steep gradients are not welcomed by cyclists and have the potential to put off users. Steep inclines generate high downhill speeds increasing the potential to conflict with other users who may be struggling to climb the steep gradient in the opposite direction.

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...... Ray Butler

Date27/01/2023.....

Signed...... Richard Frisby Richard Frisby

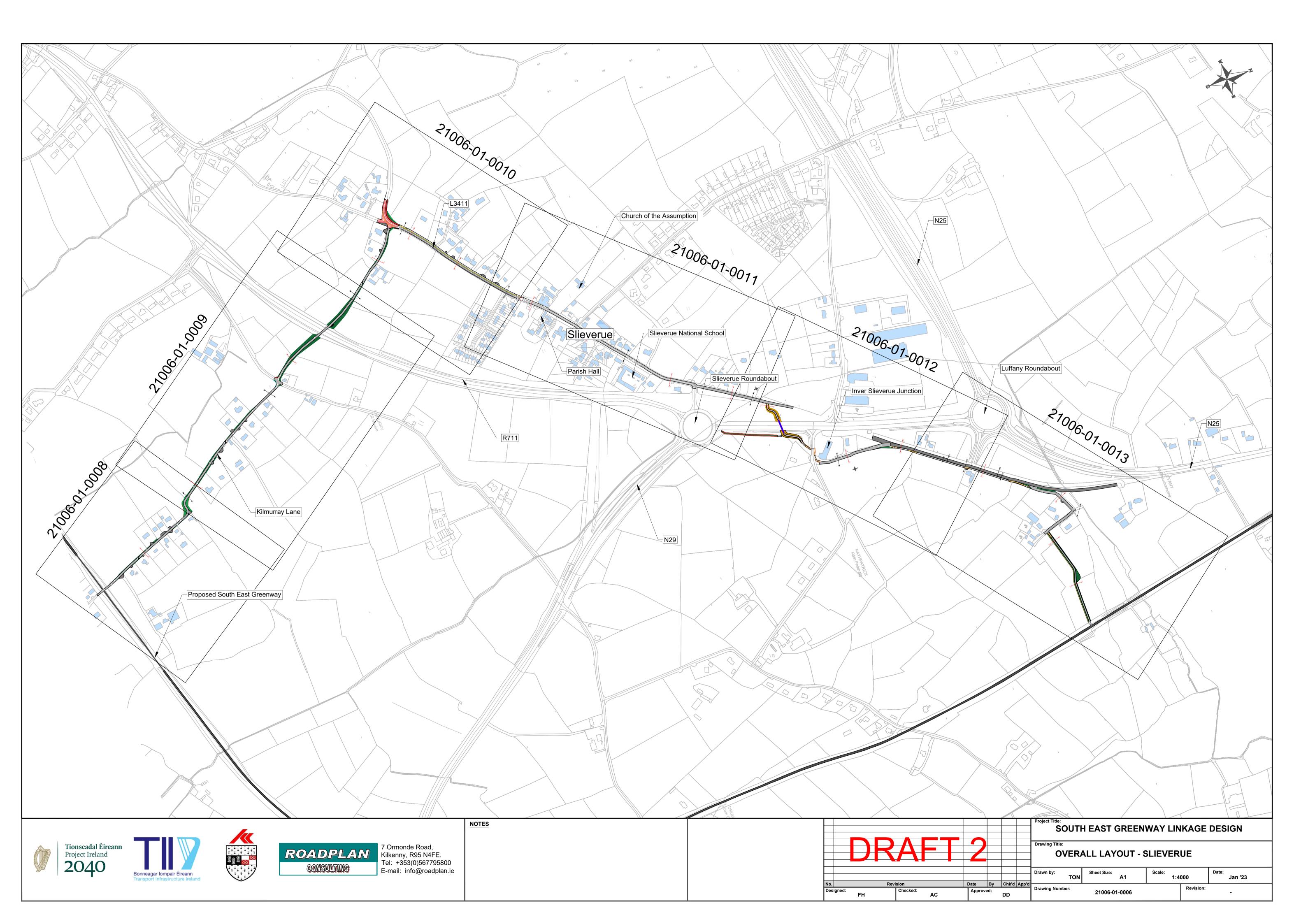
Date27/01/2023.....

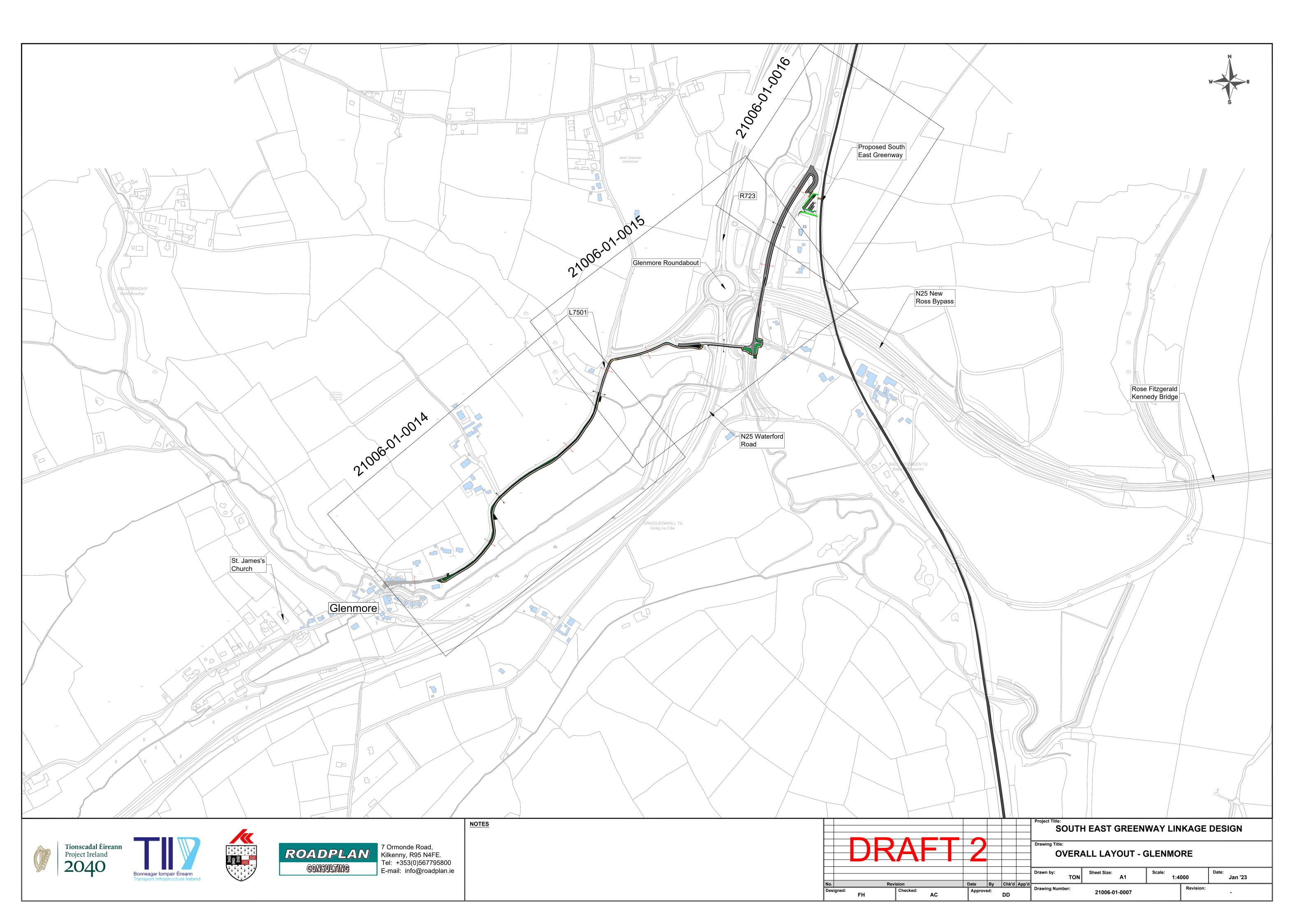
APPENDIX A

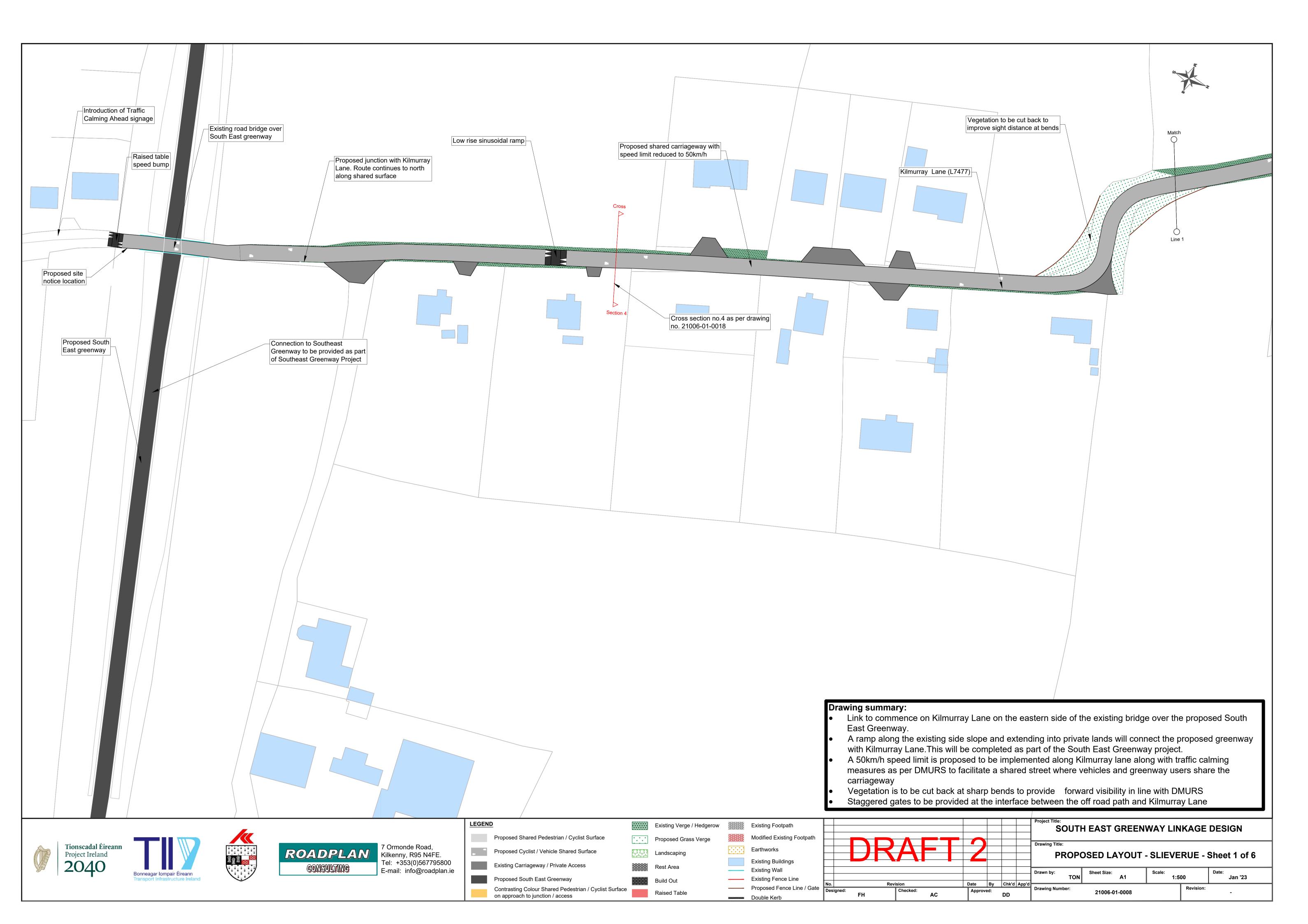
List of Drawings Examined

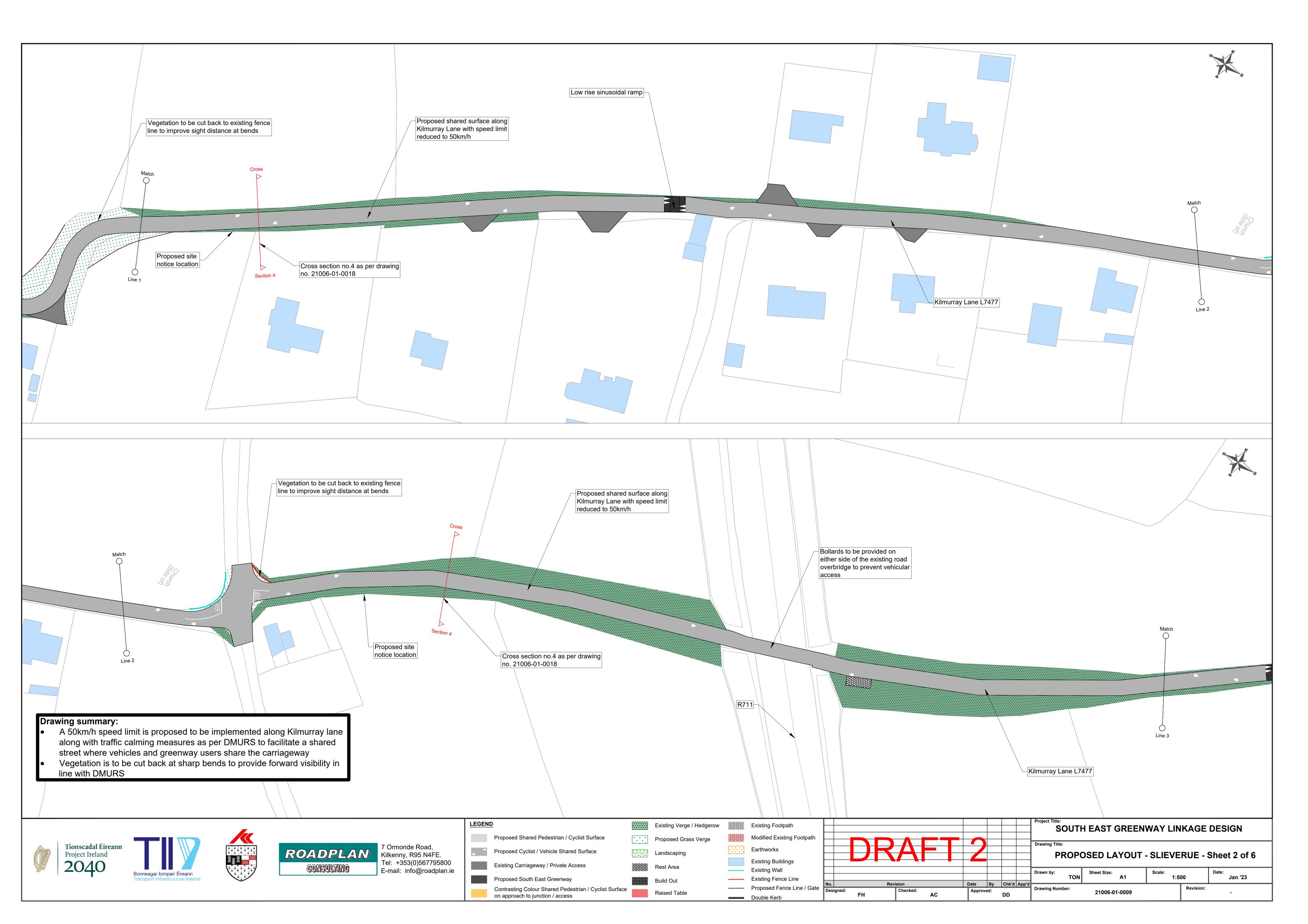
The following drawings have been provided electronically in PDF format by Roadplan:

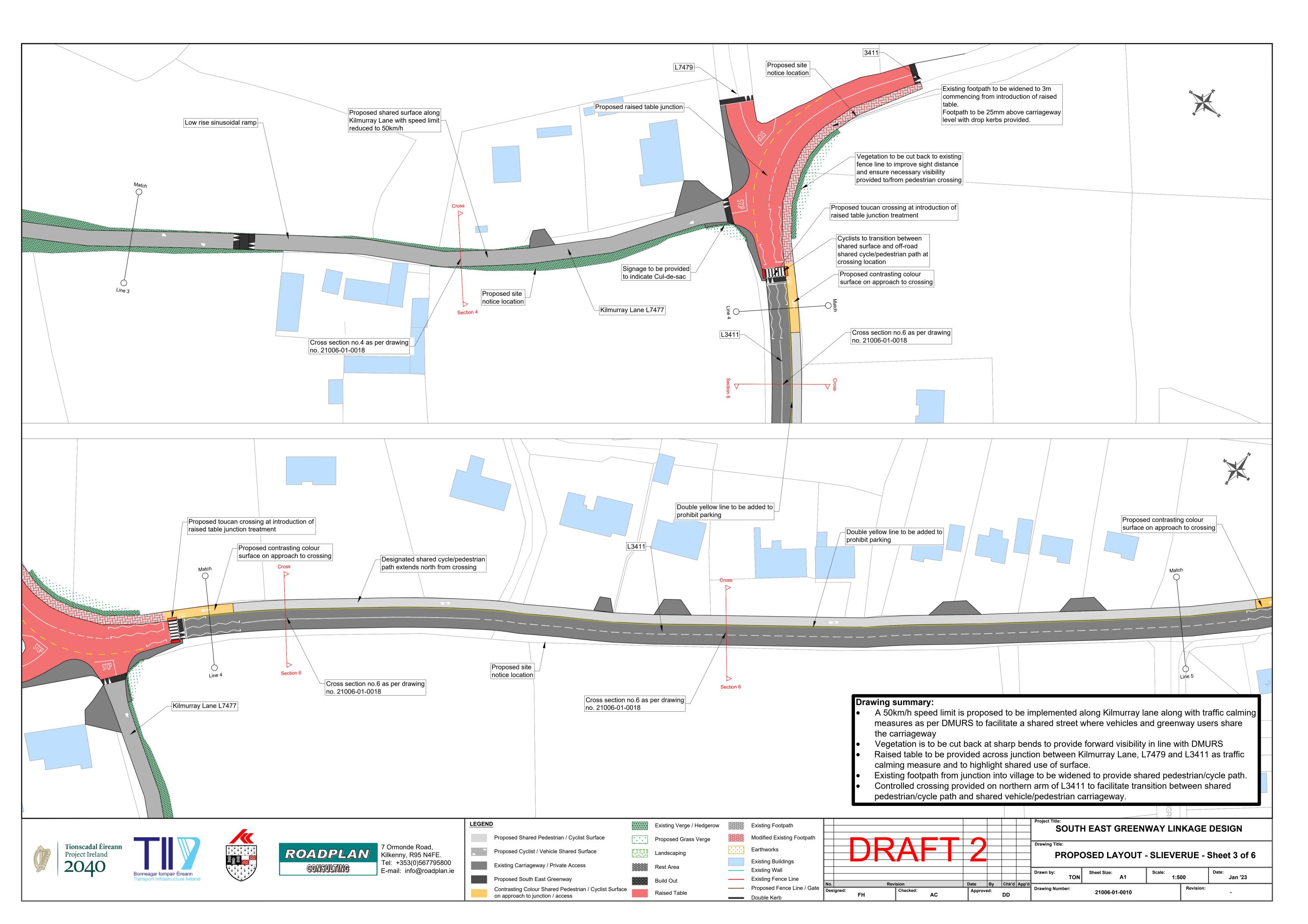
21006-01-0006 to 0016 Proposed Layouts - Draft 2 21006-01-0018 Cross Sections - Draft 2

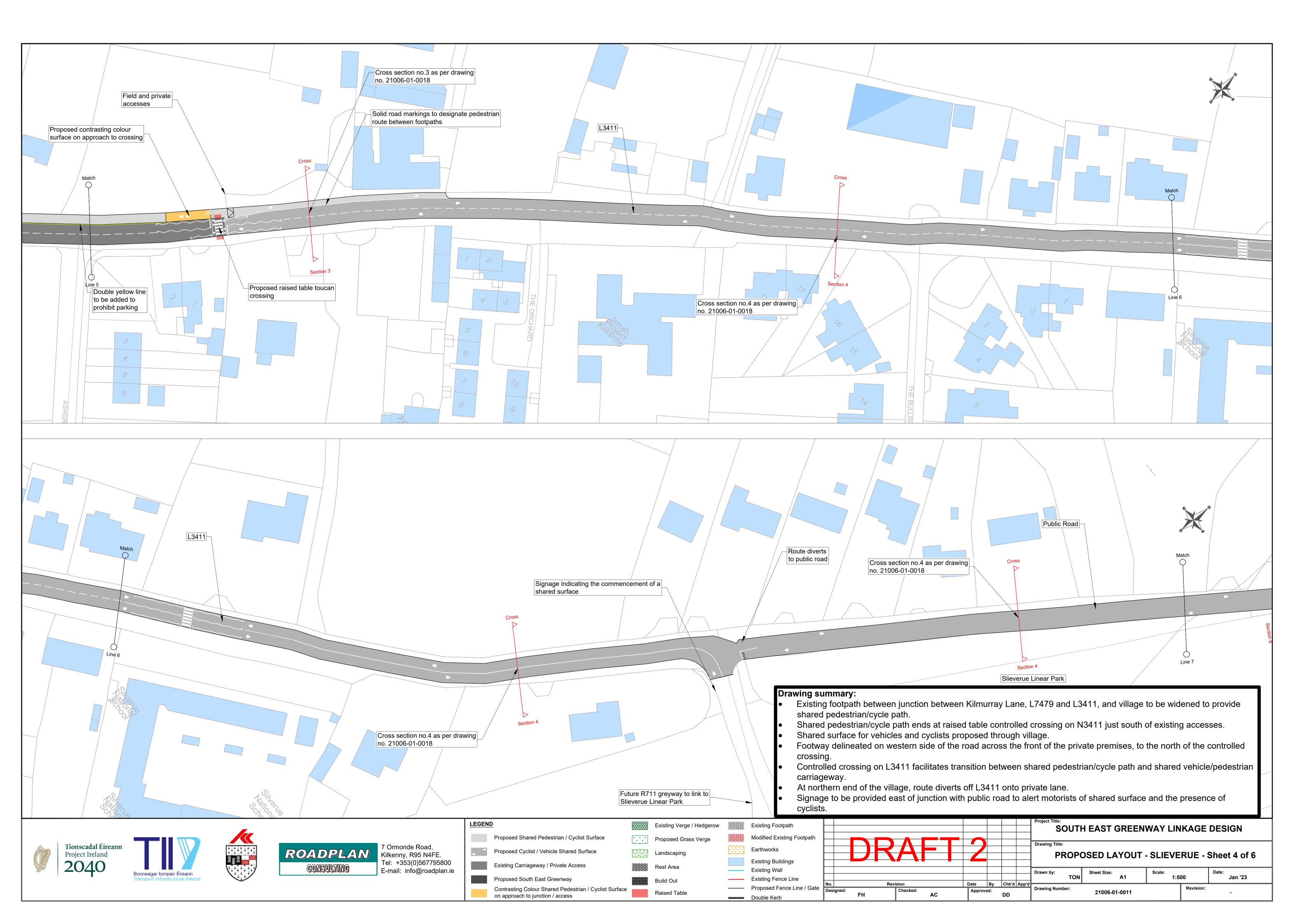


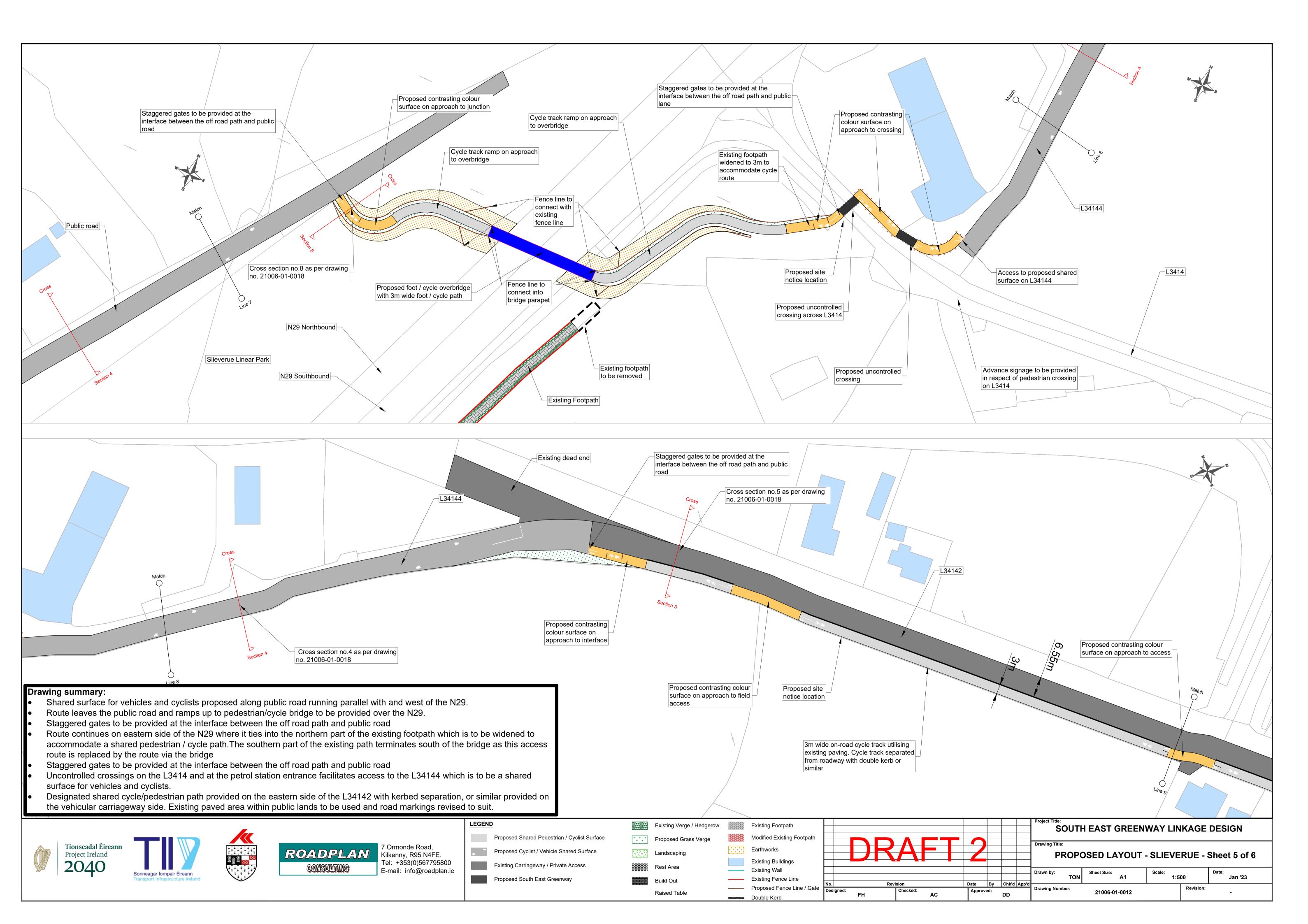


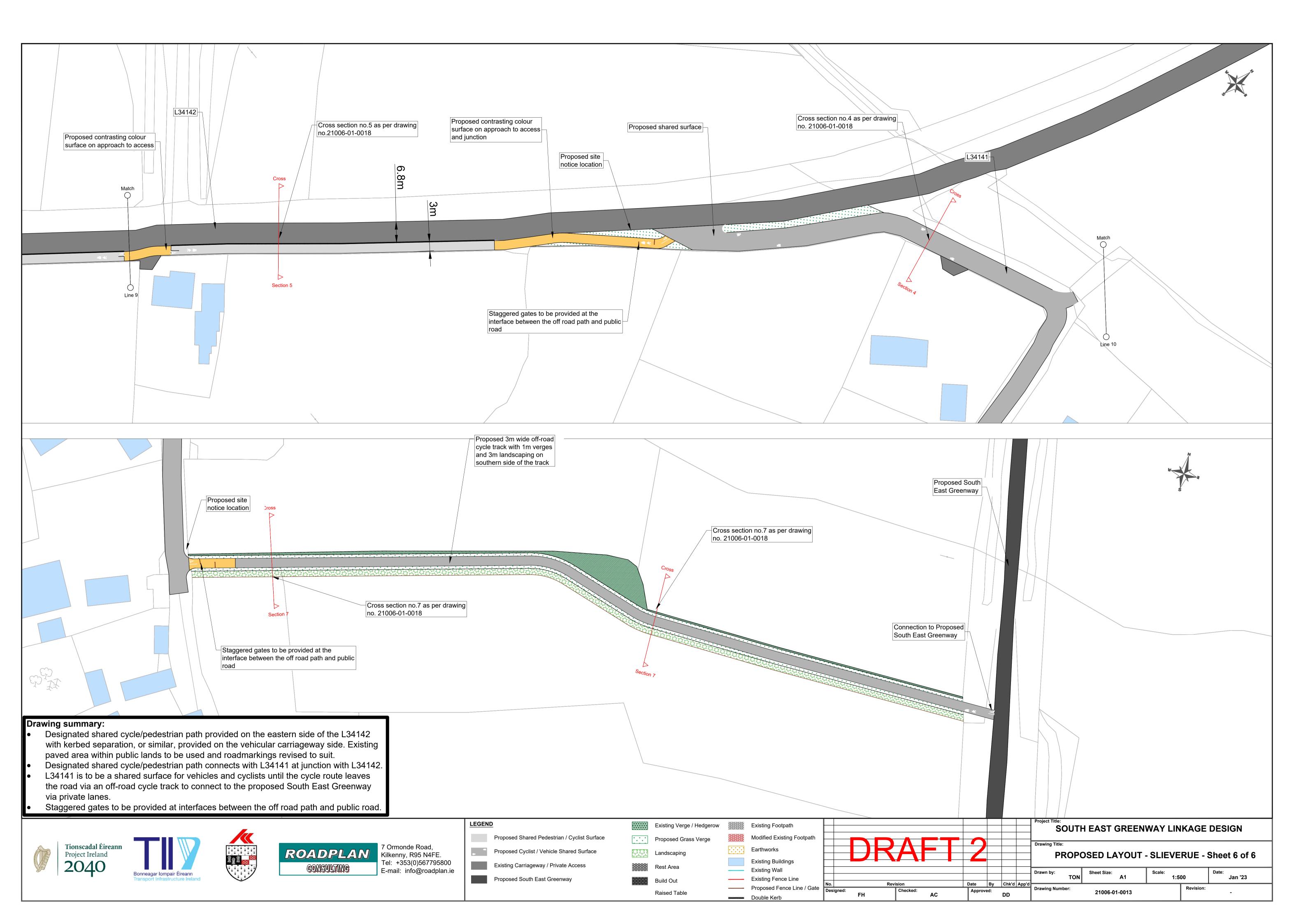


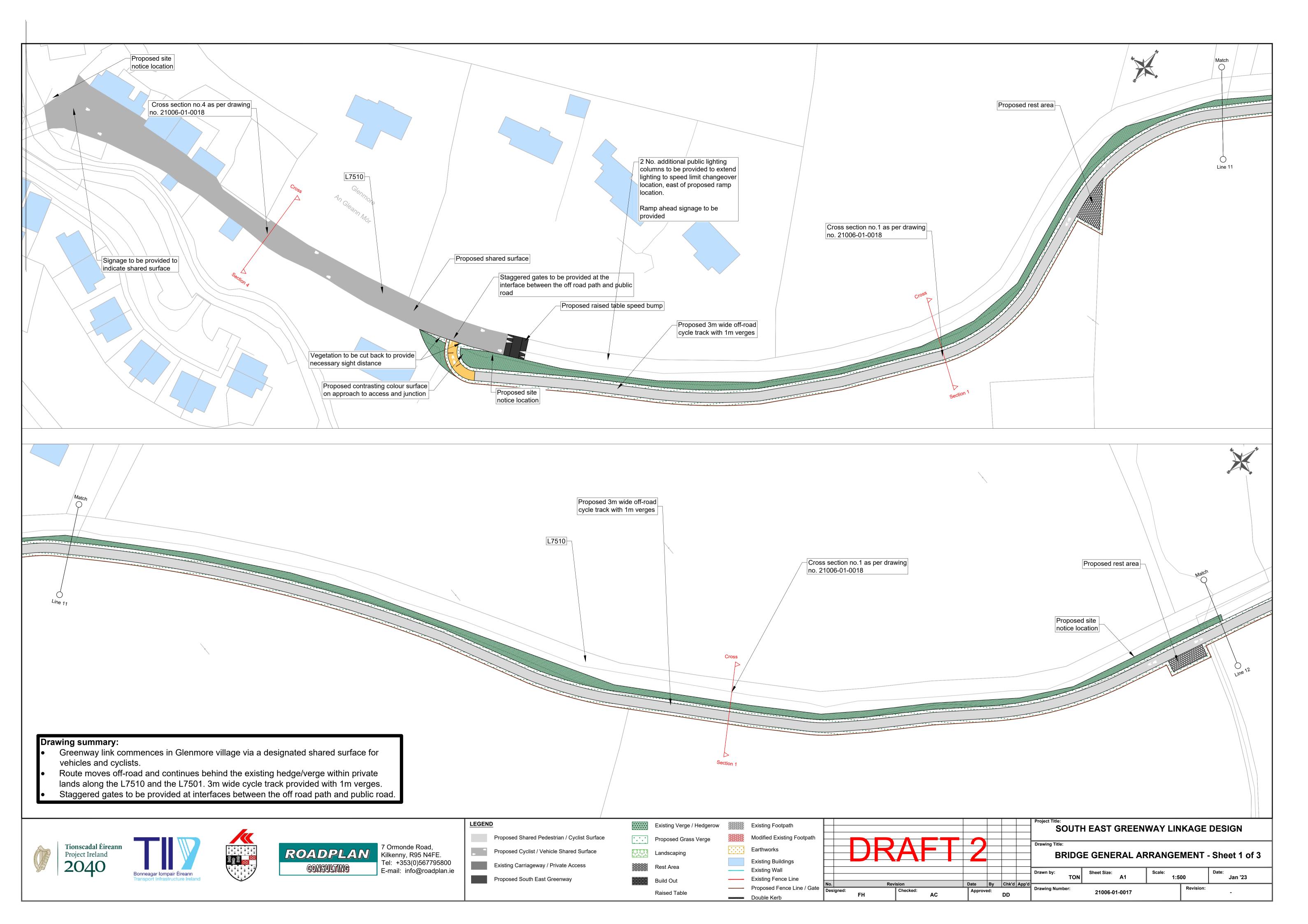


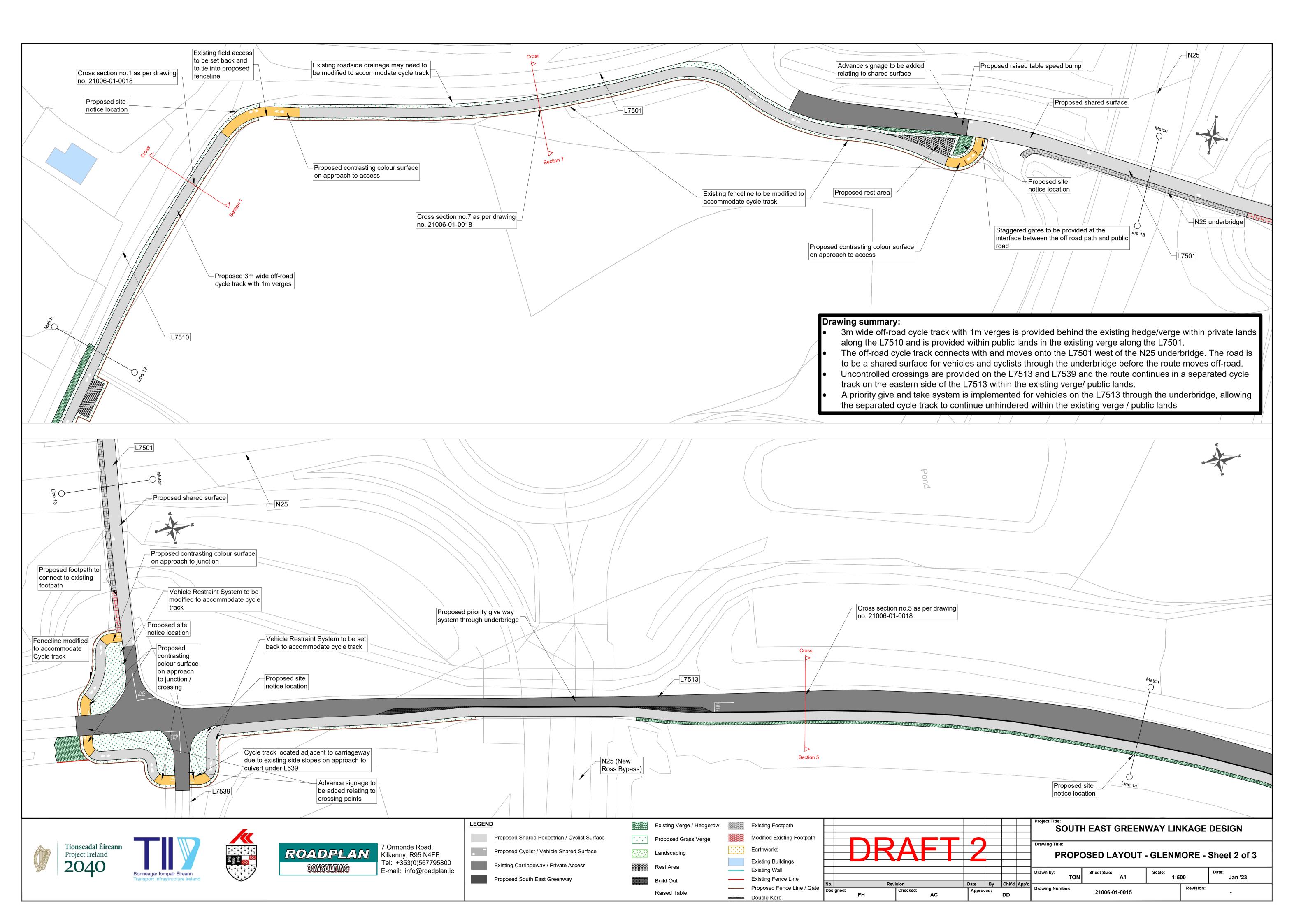


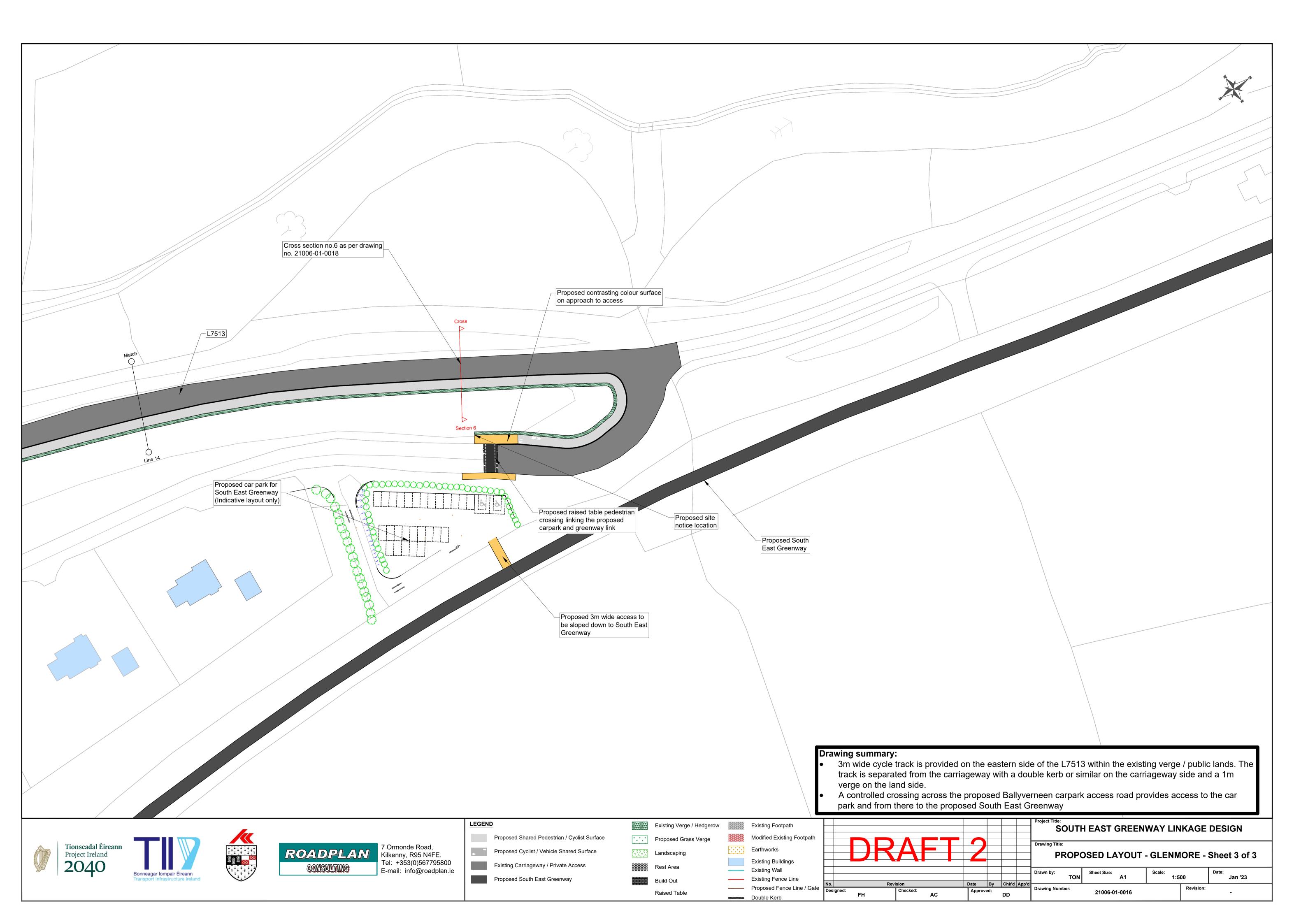


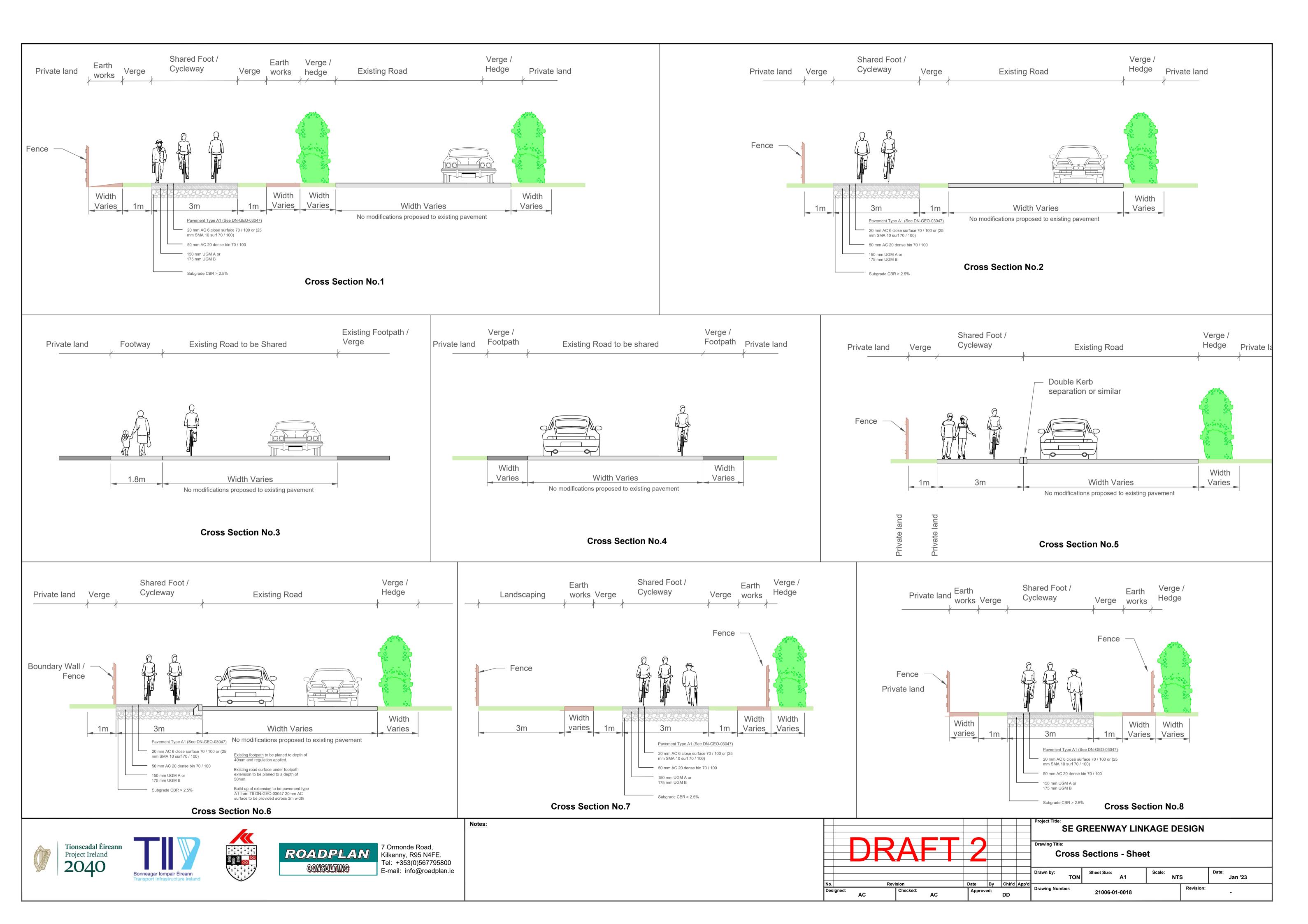












SAFETY AUDIT FEEDBACK FORM

Scheme: Southeast Greenway Linkage - Glenmore

Document Number: 2023-21006-02

Audit Stage: RSA Stage 1

Date Audit Completed: 30th January 2023

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		

Safety Audit Signed off		
Print NameAoidín Curran	Date	26-April-2023
Safety Audit Signed off Employer		21.21
Drint Name FLANU STAFFON	Data	26/4/23

•	FLANU STAFFORD ON BOMALF OF MCC	Date	26/4/23
	ON BOTHLY DE MIL		

Signed off		Audit Team Leader		
Print Name	Ray Butler		Date	4/7/23

Please complete and return to:

Ray Butler Consultant,
55 Barraglas,
Tramore,
Co. Waterford.

E-mail: raybut51@gmail.com

Safety Audit