

19101-02-001

**Knocktopher to Ballyhale
Footpath Scheme**

ROAD SAFETY AUDIT STAGE 1

December 2019

**Ray Butler
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1. INTRODUCTION

- 1.1 This report describes a Stage 1 Road Safety Audit carried out at Knocktopher Footpath Scheme on behalf of Kilkenny County Council.
- 1.2 The audit team members were as follows:-

Ray Butler, BE CEng MIEI;

Richard Frisby, BSc AEng MIEI;
- 1.3 Both audit team members visited the site. The audit comprised an examination of the drawings relating to the scheme supplied by Kilkenny County Council 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 road access to the scheme, and has therefore not examined or verified the compliance of the design to any other criteria.
- 1.5 All of the 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.
- 1.6 Appendix A describes the audited drawings.

2. STAGE 1 AUDIT

2.1 Problem

The tactile paving at the school entrance appears to be directing pedestrians towards the carriageway. Visually impaired pedestrians may end up on the carriageway putting them at risk of collision with motor vehicles.

Recommendation

Direct pedestrians in the direction of the crossing.

2.2 Problem

Visually impaired pedestrians who are crossing at the south side of the school entrance may be directed into the grass verge. Pedestrians may lose their footing if they step into the grass verge when they expect to be on a solid footpath surface resulting in possible injury.

Recommendation

Direct pedestrians onto the footpath.

2.3 Problem

There are two locations where public lighting columns are located where the footpath is 1.5m or less wide, chainage 388 and chainage 510. If these poles are not located correctly at construction stage, they may impede pedestrians.

Recommendation

Move the column to opposite side of road if possible. If not possible ensure the column is erected as close as possible to the footpath boundary.

2.4 Problem

The existing chevron signs at chainage 545 are misleading to drivers and are not necessary in a 60 km/h speed limit zone.



Recommendation

Remove chevron signs and erect the existing advance direction signs on new poles

2.5 Problem

The existing public lighting column at chainage 694 appears to be leaning towards the road and may be at risk of falling putting pedestrians and drivers at risk of injury.

**Recommendation**

Replace this lighting column with a new column.

2.6 Problem

There is a junction warning sign at approximately chainage 710. It is not clear whether this sign will be in the footpath, where it may be an obstruction to pedestrians, or be moved to the back of the footpath.



Recommendation

Move the sign to the back of the footpath if necessary.

2.7 Problem

The tactile paving on the junction splitter island does not appear to line up with the tactile paving on the footpaths. Visually impaired pedestrians will be at risk of injury if they are not directed correctly.

Recommendation

Position the tactile paving to direct visually impaired pedestrians towards the footpaths.

2.8 Problem

The new footpath continues north along the edge of the R448 where there is no continuity of footpath facilities or hard shoulder. This may put pedestrians who use this footpath, particularly the visually impaired, at risk of injury if they step onto the road into the path of an approaching vehicle.

Recommendation

Finish the footpath at the junction crossing.

3. AUDIT TEAM STATEMENT

- 3.1 We certify that we have examined the road in operation. This examination has been carried out with the sole purpose of identifying any features of the scheme that could be removed or modified to improve the safety of the scheme.

Signed.....

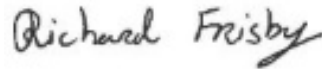


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Ray Butler

Date 29th November 2019.....

Signed.....



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Richard Frisby

Date29th November 2019.....

APPENDIX A

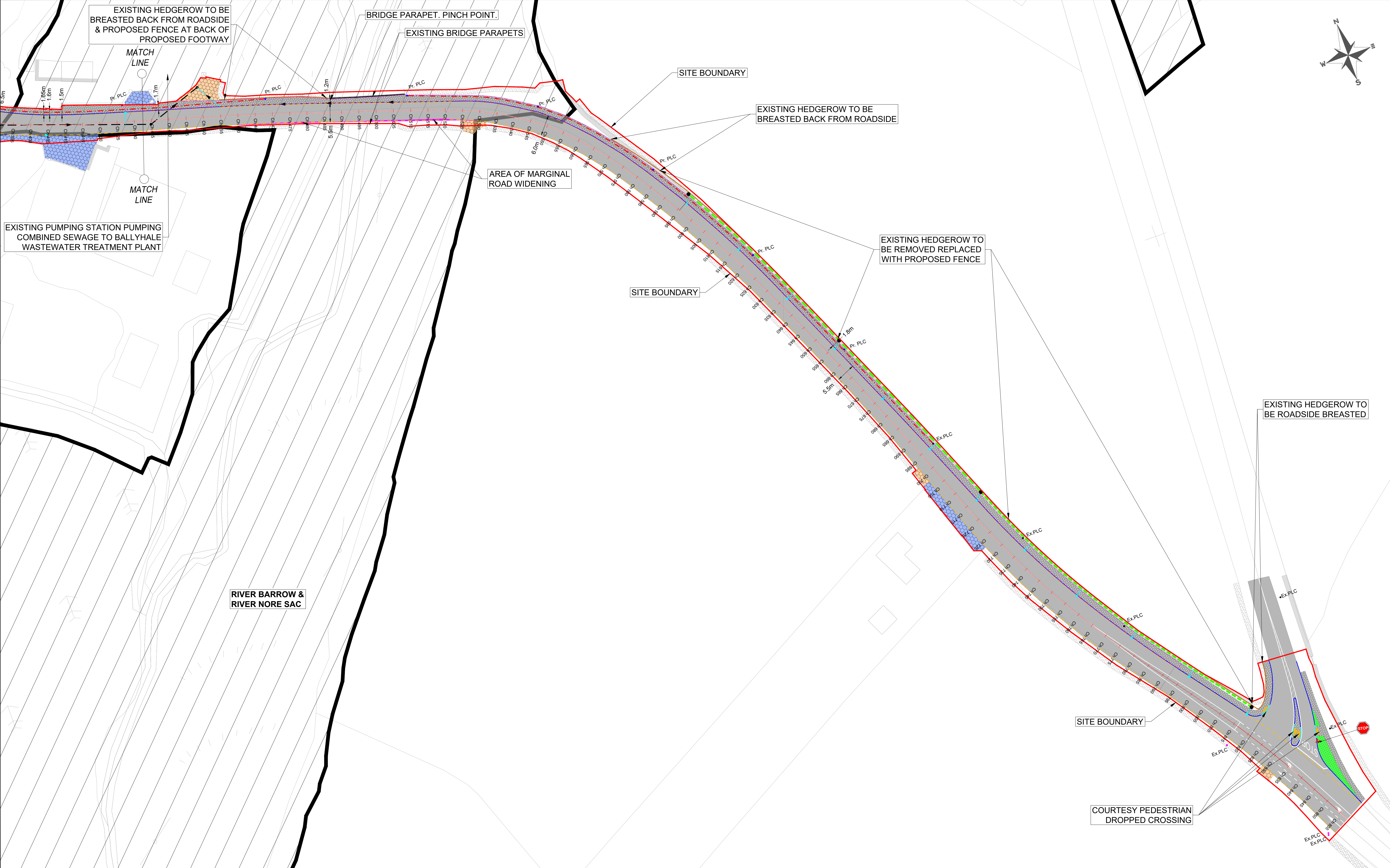
List of Drawings Examined:


Drawing numbered 19101-01-0001 and entitled 'Site Location Map' provided electronically in PDF format by Roadplan Consulting.

Drawing numbered 19101-01-0002 and entitled 'Proposed Site Layout (sheet 1 of 2)' provided electronically in PDF format by Roadplan Consulting.


Drawing numbered 19101-01-0003 and entitled 'Proposed Site Layout (sheet 2 of 2)' provided electronically in PDF format by Roadplan Consulting.








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LEGEND

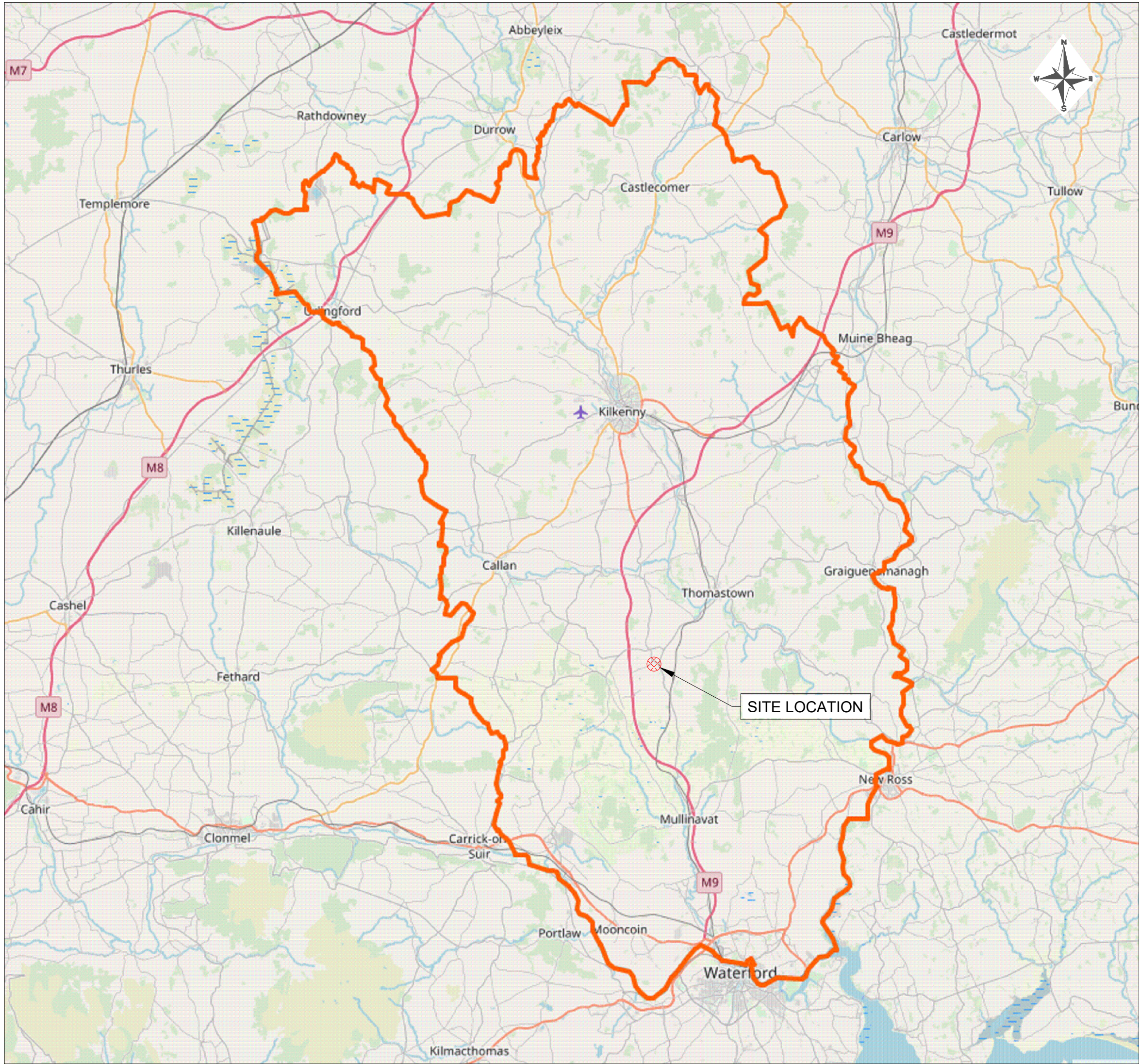
- EXISTING COMBINED SEWER
- COMBINED DRAINAGE KERB
- PROPOSED CARRIAGEWAY
- PROPOSED BITUMINOUS FOOTWAY
- EXISTING FIELD ACCESS
- EXISTING PROPERTY ACCESS
- PROPOSED GRASS VERGE
- 0.6-0.8m HIGH PEDESTRIAN GUARDRAIL

- 125mm INSITU CONCRETE KERB TO TII CC-SCD-01102
- 0-125mm INSITU CONCRETE KERB TO TII CC-SCD-01102 & 01103
- Ex.PLC EXISTING PUBLIC LIGHTING COLUMN
- Pr. PLC PROPOSED PUBLIC LIGHTING COLUMN
- 1 x 100mm DIA. UPVC PUBLIC LIGHTING DUCT
- 1.7m x 0.6m x 221m INFILTRATION TRENCH SOAKAWAY
- PRECAST CONCRETE GULLY TO TII CC-SCD-00510
- TIMBER POST & TENSION MESH FENCE TO TII CC-SCD-00320

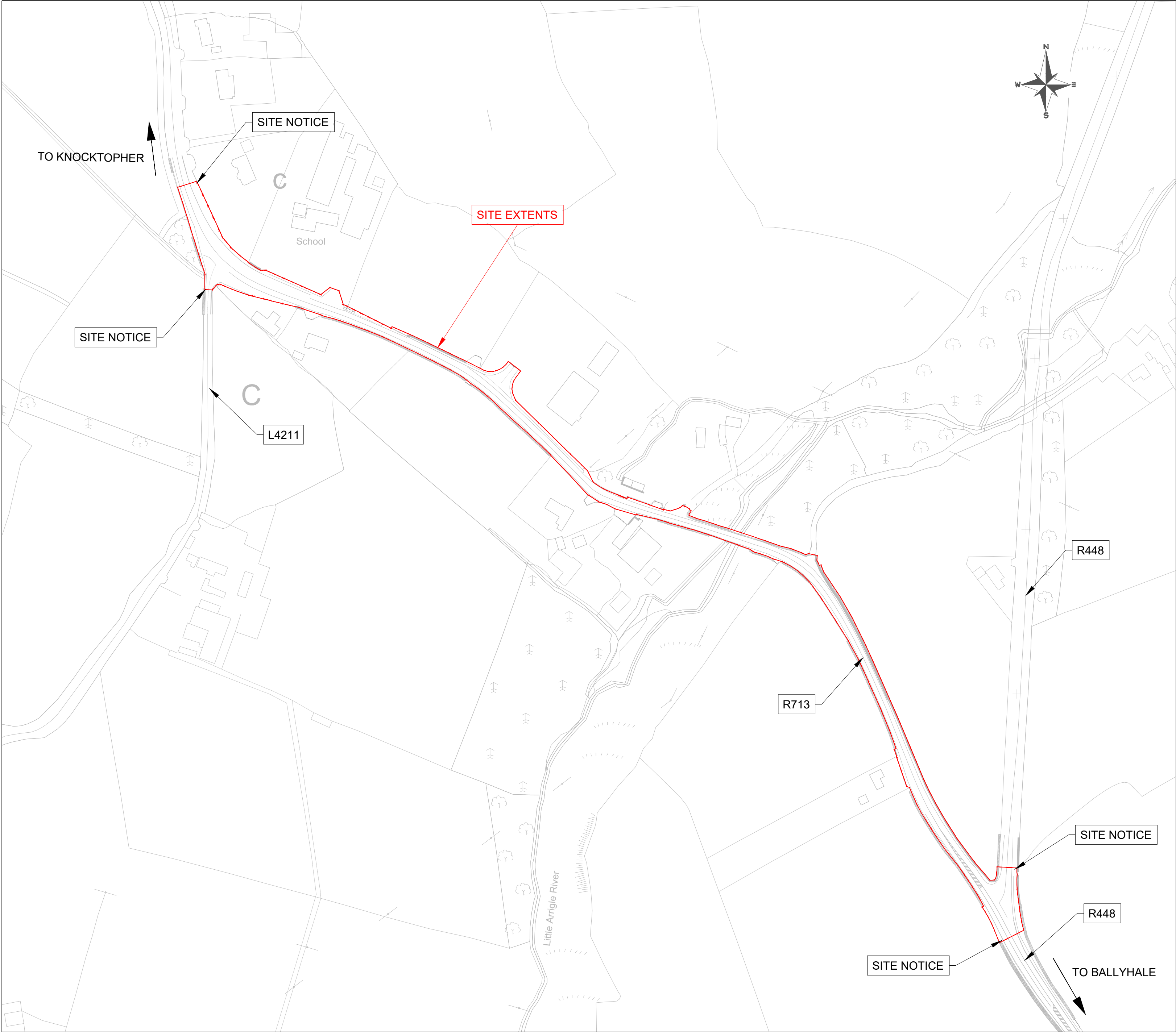
DRAFT 3

No.	Revision	Date	By	Chk'd	App'd
Designed:	BD	Checked:	MJW	Approved:	DD

Project Title: KNOCKTOPHER TO BALLYHALE FOOTPATH			
Drawing Title: PROPOSED LAYOUT (SHEET 2 OF 2)			
Drawn by: BD	Sheet Size: A1	Scale: 1:500	Date: Oct '19
Drawing Number: 19101-01-0003		Revision: -	



SITE LOCATION
NTS



LOCATION MAP
SCALE 1:200

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LEGEND

— SITE BOUNDARY



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DRAFT 1

No.	Revision	Date	By	Chk'd	App'd
Designed:	BD	Checked:	MJW	Approved:	DD

Project Title: **KNOCKTOPHER TO BALLYHALE FOOTPATH**

Drawing Title: **SITE LOCATION MAP**

Drawn by: **VD** Sheet Size: **A1** Scale: **As Shown** Date: **Oct '19**

Drawing Number: **19101-01-0001** Revision: **-**

SAFETY AUDIT FEEDBACK FORM

Scheme: Knocknapher to Ballyhale Footpath Scheme

Document Number: 19101-02-001

Audit Stage: Stage 1 RSA

Date Audit Completed: 29th November 2019

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	-	-
2.6	Yes	Yes	-	-
2.7	Yes	Yes	-	-
2.8	Yes	Yes	-	-

Safety Audit

Signed off *Michael John Walsh* Design Team Leader

Print Name MICHAEL-JOHN WALSH

Date 02/12/19

Safety Audit

Signed off *Declan Murphy* Employer

Print Name *DECLAN MURPHY*

Date *2/12/19*

Safety Audit

Signed off *Ray Butler* Audit Team Leader

Print Name *RAY BUTLER*

Date *5/12/19*

Please complete and return to: Ray Butler Consultant
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Tramore, Co. Waterford
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