

STAGE 2 ROAD SAFETY AUDIT

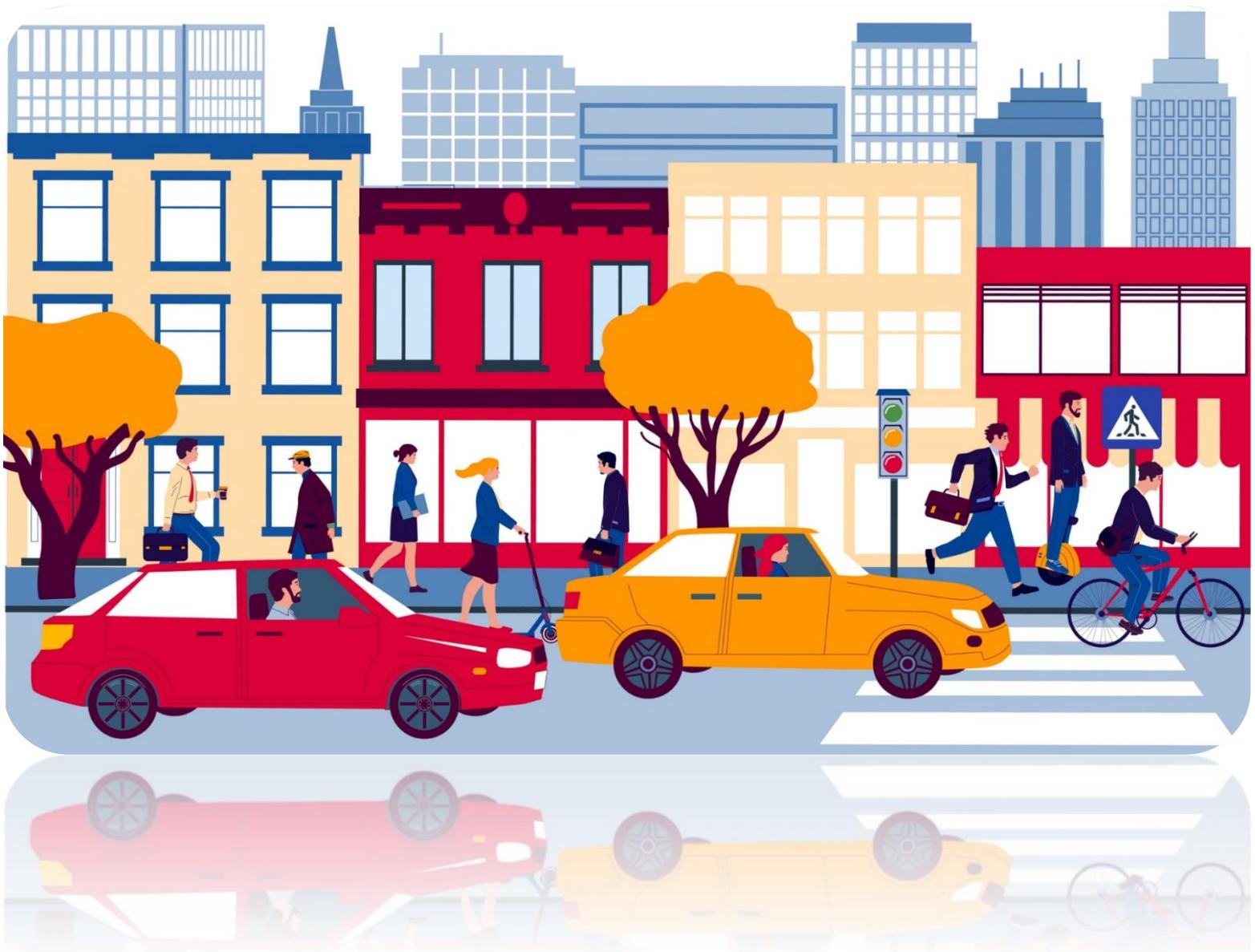
BRADLEY MEADOWS, BRADLEY

Job No: 21041

September 2024



VIASOLUTIONS





Job Number	21041
Filename	Stage 2 RSA Bradley Meadows, Bradley
Issue No	1
Issue Date	September 2024
Author	Elizabeth Green
Reviewer	Tom Lyons

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Table of Contents

- 1. Project Details 1
- 2. Introduction 2
 - 2.1. OVERVIEW OF AUDIT 2
 - 2.2. LIST OF DRAWINGS..... 3
 - 2.3. SCOPE 3
- 3. Items Raised at Previous Road Safety Audits..... 4
 - 3.1. PREVIOUS ROAD SAFETY AUDITS 4
- 4. Items Raised at this Stage 2 RSA 5
 - 4.1. SUMMARY 5
 - 4.2. GENERAL..... 7
- 5. Audit Team Statement 8
 - 5.1. CERTIFICATION 8

Appendices

Appendix A Problem Location Plan

1. Project Details

TABLE 1. PROJECT DETAILS

Report title:	Stage 2 Road Safety Audit, Bradley Meadows, Bradley
Date:	September 2024
Document reference and revision:	Stage 2 RSA Bradley Meadows, Bradley, Issue 1
Prepared by:	Via Solutions Ltd
On behalf of:	Kirklees Council

2. Introduction

2.1. OVERVIEW OF AUDIT

2.1.1. This report results from a Stage 2 Road Safety Audit (RSA) of the access arrangements for a proposed residential development on a former hospital site at New North Road in Huddersfield.

2.1.2. The works comprise minor amendments to the radii of the junction of Bradley Meadows on to the A6107 Bradley Road, the improvement of the existing crossing point at the mouth of the junction to incorporate tactile paving and widening of the footway to the western side of Bradley Meadows.

2.1.3. An Audit Brief has been supplied by Via Solutions Ltd. This brief has been approved by the Overseeing Organisation (OO), Kirklees Council. The OO also approved the Road Safety Audit team.

2.1.4. The Road Safety Audit team membership is:

Audit Team Leader: Tom Lyons BEng CEng MICE MSoRSA

Audit Team Member: Elizabeth Green BEng MSc CEng MICE FCIHT

2.1.5. A site visit was carried out by the Audit Team on Monday 19th September 2024 between the hours of 13:30-14:00. Traffic volumes at the time of the site visit were relatively light, no cyclists were observed, and several pedestrians walked past on Bradley Road. The weather was fine and dry, and the road surface was also dry.

2.2. LIST OF DRAWINGS

2.2.1. The following drawings prepared by Via Solutions Ltd were provided to the Audit Team. The audit is concerned only with the works within the red line shown on the General Arrangement drawing.

TABLE 2. DRAWINGS PROVIDED TO AUDIT TEAM

Drawing Number	Drawing Title
2104111 Rev G	General Arrangement
2104112 Rev D	Carriageway Construction
2104113 Rev E	Carriageway Construction & Kerb Detail
2104114 Rev B	Proposed TRO Markings
2104115 Rev B	Proposed Adoption Drawing
2104117	Kirklees Council Standard Details
2104118	Swept Path Analysis
2104119 Rev A	Contour Plan

2.3. SCOPE

2.3.1. The road safety audit was carried out in accordance with the requirements of Design Manual for Roads and Bridges document 'GG 119 Road Safety Audit', Revision 2. The Audit Team has examined and reported only on the road safety implications of the scheme and has not examined or confirmed the compliance of the design to any other criteria.

2.3.2. An annotated version of the General Arrangement drawing is included at Appendix A indicating the locations of the problems identified.

3. Items Raised at Previous Road Safety Audits

3.1. PREVIOUS ROAD SAFETY AUDITS

- 3.1.1. The Audit Team has been advised of a previous combined Stage 1-2 Road Safety Audit carried out in July 2021 by an audit team from Optima Highways.

- 3.1.2. One problem only was raised in this previous audit relating to the interface between the proposed access road into the development and existing garages, a driveway and an access track to the western side of the access road. This problem has been satisfactorily addressed as part of the works already carried out on site to construct the northern end of Bradley Meadows into the residential development.

4. Items Raised at this Stage 2 RSA

4.1. SUMMARY

4.1.1. The table below summarises the findings of the Stage 2 RSA, with the individual problems being described in more detail in the subsections below. Where there is 'N/A' in the Problem column, this indicates an item that is not for consideration in a Stage 2 RSA (as indicated in Appendix B of GG 119).

TABLE 3. ROAD SAFETY AUDIT CHECKLIST

Item	Problem
Local Alignment	
Visibility	No
New/Existing Road Interface	No
Vertical Alignment	No
General	
Departures from Standards	No
Cross-sections and Cross-sectional Variation	No
Landscaping	No
Climatic Conditions	No
<i>Drainage</i>	Yes
Lay-bys	No
Public Utilities/Services Apparatus	No
Access	No
Skid Resistance	No
Emergency Vehicles	No
Future Widening	N/A
Agriculture	No
Fence and Road Restraint Systems	No
Adjacent Development	No
Basic Design Principles	N/A
Bridge Parapets	No

Network Management	N/A
Specific Road Users	No
Junctions	
Layout	No
Visibility	No
T, X, Y - Junctions	No
All Roundabouts	No
Mini Roundabouts	No
Traffic Signals	No
Walking, Cycling and Horse Riding	
Adjacent Land	No
Pedestrians	No
Cyclists	No
Equestrians	No
Traffic Signs, Carriageway Markings and Lighting	
Signs	No
Variable Message Signs (VMS)	No
Lighting	No
Poles / Columns	No
Carriageway Markings	No

4.2. GENERAL

TABLE 4. ITEMS RAISED AT THIS ROAD SAFETY AUDIT

Problem 1	
Location	Crossing point on the eastern side of the access.
Summary	Ponding water that freezes in cold weather could result in pedestrians slipping and falling.
<p>An examination of the existing levels in the vicinity of the crossing point on the eastern side of the access leads to the assumption that there may be a low point in the vicinity of the crossing point and the proposed tactile paving on this side of the access. There is evidence that water ponds in this area in wet weather.</p> <p>The design appears to rely on an existing gully on this side of the access which is blocked/not visible on the ground.</p> <p>If adequate carriageway drainage is not provided this could lead to ponding water which, if it freezes in cold weather, could result in pedestrians slipping and falling.</p>	
	
Recommendation	
<p>Ensure that adequate carriageway drainage is provided around the junction to ensure that water does not pond in the vicinity of the crossing point of the Bradley Road footway across the proposed site access.</p>	

5. Audit Team Statement

5.1. CERTIFICATION

5.1.1. We certify that this Road Safety Audit has been carried out in accordance with DMRB GG 119.

TABLE 5. AUDIT TEAM CERTIFICATION

Audit Team Leader	
Tom Lyons BEng CEng MICE MSoRSA Via Solutions The Old Coach House 1 Campbell Street Leeds LS28 6DP	Tom Lyons Dated: 17 th September 2024
Audit Team Member	
Elizabeth Green BEng MSc CEng MICE FCIHT Consultant Via Solutions The Old Coach House 1 Campbell Street Leeds LS28 6DP	Elizabeth Green Dated: 17 th September 2024

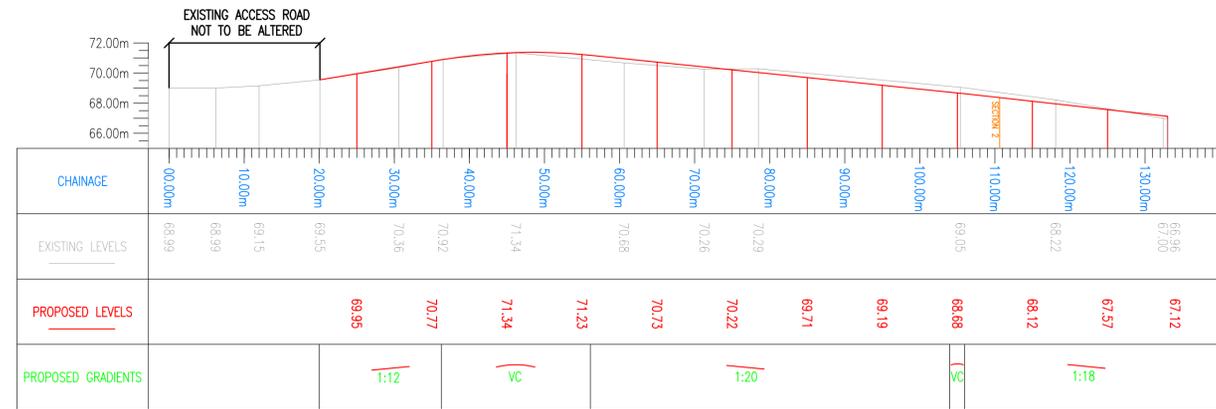
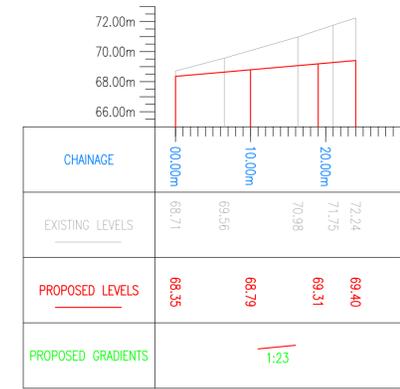
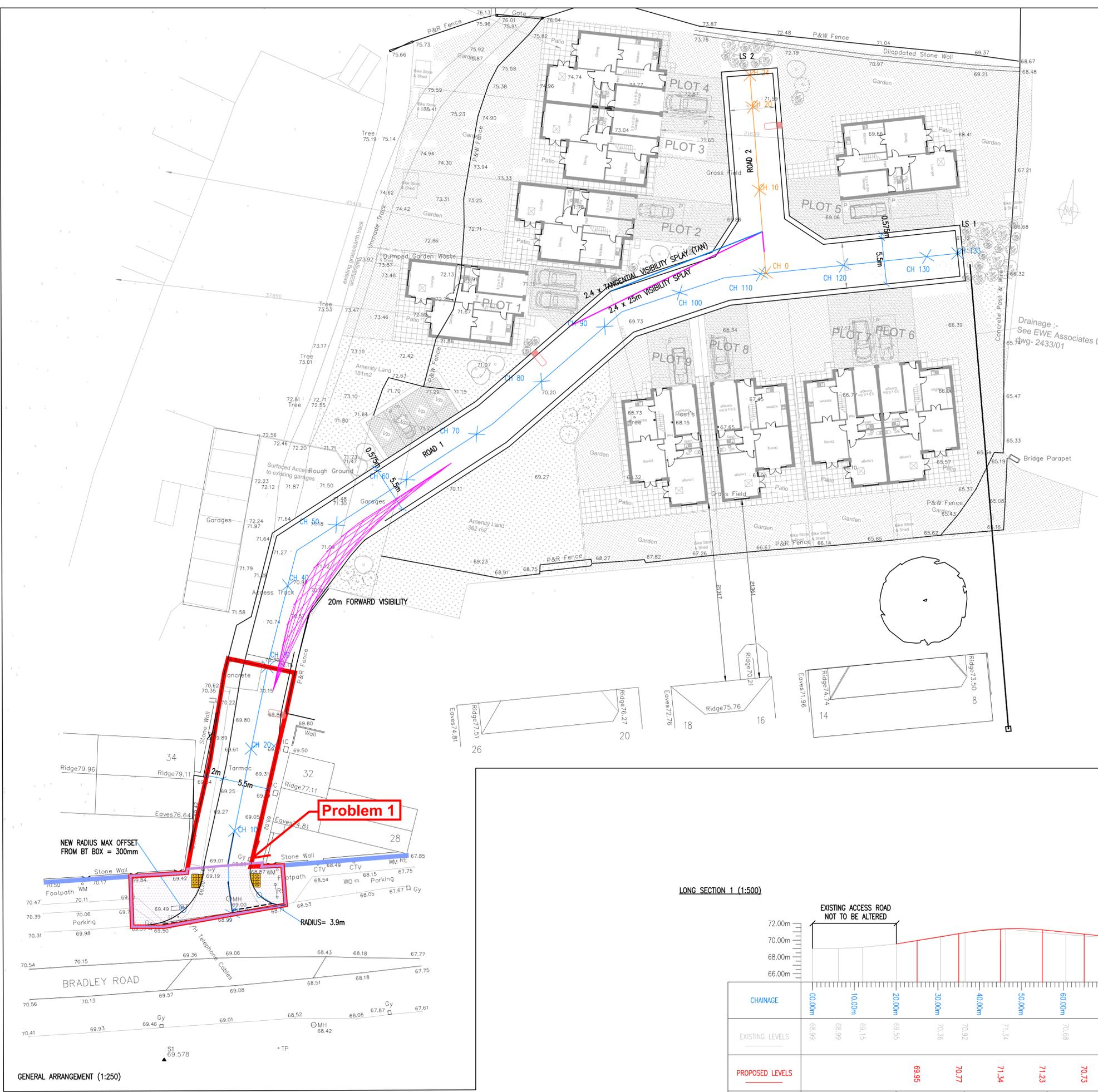
APPENDIX A

Problem Location Plan





- EXTENT OF PROPOSED HIGHWAY BOUNDARY
- EXTENT OF EXISTING HIGHWAY BOUNDARY
- EXTENT OF WORKS TO EXISTING PUBLICLY ADOPTABLE HIGHWAY



- NOTES**
- THIS DRAWING IS SUBJECT TO FULL CDM COMPLIANCE, STATUTORY UNDERTAKERS SEARCH/DIVERSION REQUIREMENTS, HIGHWAY DRAINAGE PROVISION, LAND OWNERSHIP AND LOCAL AUTHORITY APPROVAL. NO DEVIATION FROM THE DRAWING SHOWN IS ALLOWED WITHOUT WRITTEN PERMISSION
 - REFER TO VIA SOLUTIONS PROJECT SPECIFIC DESIGN RISK ASSESSMENT (DRA)
 - IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING WHERE APPROPRIATE TO AN APPROVED METHOD STATEMENT / LEGAL AGREEMENT
 - ALL CONSTRUCTION DETAILS TO MEET KIRKLEES COUNCIL STANDARD DETAILS

REV.	AMENDMENTS	DATE
E	KMBC COMMENTS	10/22
F	KMBC COMMENTS	11/22
G	REVISED PROPOSED HB	01/24



UPPER QUARRY ROAD, DEIGHTON
 PROPOSED HIGHWAY WORKS
 GENERAL ARRANGEMENT

SCALE: AS SHOWN @A1
 DATE: JANUARY 2024
 DRAWING NO: 2104111 REV. G
 STATUS: NOT APPROVED

