Orion Homes Ltd

Denby Lane
Grange Moor

Stage 1 RSA Audit Response Report

sanderson associates
consulting engineers

Control Sheet

CLIENT:	Orion Homes Ltd
PROJECT TITLE:	Denby Lane Grange Moor
REPORT TITLE:	Stage 1 RSA Audit Response Report
PROJECT REFERENCE:	160126
DOCUMENT NUMBER:	004
ISSUE NUMBER:	01
DATE:	May 2025

Issue & Approval Schedule	Issue 01 <Status>	Name	Signature	Date
	Prepared by	Simon Burkinshaw	A signed copy is available on request	29 May 2025
	Checked by	Karen Smith		29 May 2025
	Approved by	Karen Smith		29 May 2025

Issue Record	Issue	Date	Status	Description	Name	
	02				Prepared	
					Checked	
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Acknowledgements

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1. Introduction

1.1 Sanderson Associates Consulting Engineers has been appointed by Orion Homes Ltd to prepare an Audit Response Report to the Stage 1 Road Safety Audit of the proposed new site access and internal layout for 21 dwellings on land off Denby Road, Grange Moor.

1.2 A Stage 1 Road Safety Audit Brief (Ref 160126-004-01 dated 25 April 2025) was provided by Sanderson Associates and was issued to the Audit Team at TMS Consultancy in an email dated 09 May 2025. The audit brief and audit team members were approved by Kirklees Council in advance of the Stage 1 Road Safety Audit being undertaken.

1.3 The following drawings and information were provided to the Audit Team and problems listed in Section 2 relate to these drawings and information.

- → Audit Brief Ref 160126-003-02 prepared by Sanderson Associates Consulting Engineers.
- → 160126-001 Rev B Proposed Access
- → 160126-002 Rev B Swept Paths
- → Site Layout Rev U
- → 160126-001-01 Transport Statement

1.4 The Audit Team members were as follows:

- → Audit Team Leader – Daren Newbold - Principal Engineer, TMS Consultancy
- → Audit Team Member – Richard Marriott - Road Safety Engineer, TMS Consultancy

1.5 The Audit took place on site on the morning of 14 May 2025.

2. Road Safety Audit Response Report to GG119 Sections 4.11 to 4.19 and Appendix F

F1 Project Details

Table F.1 Project details	
Report Title:	Stage 1 Road Safety Audit Designers Response
Date:	29 May 2025
Document reference and revision:	160126-004-01
Prepared by:	Sanderson Associates Consulting Engineers
On behalf of:	Orion Homes Ltd

Table F.2 Authorisation sheet	
Project:	Denby Lane, Grange Moor
Report Title:	Designers Response to Stage 1 Road Safety Audit
Prepared By:	
Name:	Simon Burkinshaw FIHE
Position:	Principal Engineer
Signed:	
Organisation	Sanderson Associates Consulting Engineers
Date	29 May 2025
Approved By:	
Name:	Karen Smith FIHE
Position:	Associate Director
Signed:	
Organisation	Sanderson Associates Consulting Engineers
Date	29 May 2025

F2 Introduction

The scheme involves highway works associated with a proposed access and internal road layout to serve a new residential development for 21 dwellings located and accessed off Denby Lane, Grange Moor, Huddersfield.

Simon Burkinshaw, representative of the Design Organisation, has prepared this report in response to the Stage 1 RSA provided on the 28 March 2025.

F3 Key personnel

Table F.3 Key Personnel	
Overseeing Organisation:	Kirklees Council c/o Ryan Kinder Ryan.Kinder@kirklees.gov.uk Highways Development Management PO Box 1720 Huddersfield HD1 9EL
RSA team:	Daren Newbold - Principal Engineer, TMS Consultancy Richard Marriott - Road Safety Engineer, TMS Consultancy
Design organisation:	Simon Burkinshaw (Principal Engineer) Fairhurst Group LLP T/A Sanderson Associates Consulting Engineers

F4 Road Safety Audit Decision Log

Table F.4 Road Safety Audit Decision Log				
RSA Problem	RSA Recommendation	Design Organisation Response	Overseeing Organisation Response	Agreed RSA Action
Problem 3.1: **Location: Denby Lane; site access** **Summary:** Insufficient visibility may lead to pull-out type vehicle collisions Although a visibility splay of 2.4m x 43m is indicated on the scheme drawings, the visibility splay cuts across an area of overgrown vegetation, particularly within the left-hand splay. Further growth may restrict visibility and increase the risk of pull-out type vehicle collisions.	**Recommendation:** It should be ensured that the visibility splay is achieved as stated which may require some cutting back of vegetation (it should be ensured that the height of the vegetation does not exceed 600mm so regularly maintenance would be required).	The Audit Team's Recommendation is accepted. The visibility identified all falls with the developer's ownership or adopted highway. At Detailed Design stage the extent of vegetation to be cut back will be agreed with the Local Highway Authority.		
Problem 3.1: **Location: Denby Lane; site access** **Summary:** Poor carriageway may lead to skid and loss of control type vehicle collisions The existing carriageway surface on Denby Lane at the proposed site access is poor. With new braking and turning manoeuvres occurring at this location, the poor surface may increase the risk of skid and loss of	**Recommendation:** The Design Organisation should liaise with the Local Highway Authority with regards to resurfacing of Denby Lane for the extents of the site access junction.	The Audit Team's Recommendation is accepted. It is recommended that at Detailed Design stage, discussions with the council regarding the extent of resurfacing that will take place and extents agreed.		

control type collisions for vehicles entering / exiting the site.				

F5 Design organisation and Overseeing Organisation statements

Table F.5 Design Organisation Statement	
On behalf of the design organisation I certify that: 1) the RSA actions identified in response to the road safety audit problems in this road safety audit have been discussed and agreed with the Overseeing Organisation.	
Name	Simon Burkinshaw
Signed	
Position	Principal Engineer
Organisation	Sanderson Associates Consulting Engineers
Date	

Table F.6 Overseeing Organisation Statement	
On behalf of the Overseeing Organisation I certify that: 1) the RSA actions identified in response to the road safety audit problems in this road safety audit have been discussed and agreed with the design organisation; and 2) the agreed RSA actions will be progressed.	
Name	
Signed	
Position	
Organisation	
Date	

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