



Road Safety Consulting Ltd

# **REEDS LANE, SAYERS COMMON**

## **RESIDENTIAL DEVELOPMENT ACCESS ARRANGEMENTS**

### **Stage 1 Road Safety Audit**

**Date: 8<sup>th</sup> November 2017**

**Report produced for: Icen Projects Ltd**

**Report produced by: Elaine Bingham, Road Safety Consulting Ltd**

**Reference: RSC/EB/ KS/17008**

Road Safety Consulting Ltd  
4 Paramore Close  
Whetstone  
Leicestershire  
LE8 6EY

Directors:  
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**Document Control Sheet**

Project Title            Reeds Lane, Sayers Common  
Residential Development – Access Arrangements

Report Title            Road Safety Audit Stage 1  
Reference: RSC/ EB/ KS/17008

Revision                -

Status                  Final

Control Date            8<sup>th</sup> November 2017

Record of Issue

Issue	Author	Date	Check	Date	Authorised	Date
Final	EB	08/11/17	KS	08/11/17	KS	08/11/17

Distribution

Organisation	Contact	Copies
ICENI Projects Ltd	Joseph Mercieca	ecopy

## 1. INTRODUCTION

- 1.1. This report results from a Stage 1 Road Safety Audit carried out on the access arrangements associated with a residential development off Reeds Lane, Sayers Common, on behalf of Icen Projects Ltd. The Audit was carried out during November 2017.
- 1.2. The Audit Team membership was as follows:  
  
Audit Team Leader  
Elaine Bingham,  
B Eng (Hons), MCIHT, MSoRSA  
Highways England Certificate of Competence (Road Safety Audit)  
Road Safety Consulting Ltd  
  
Audit Team Member  
Kevin Seymour,  
B Sc, PG Dip TS, MCIHT, MSoRSA  
Highways England Certificate of Competence (Road Safety Audit)  
Road Safety Consulting Ltd
- 1.3. The audit took place at the offices of Road Safety Consulting Ltd between 7th and 8th November 2017. The audit was undertaken in accordance with the audit brief provided by Joseph Mercieca, Icen Projects Ltd. The report has been prepared with reference to the Design Manual for Roads and Bridges (DMRB) Highways Directive HD19/15. The audit comprised an examination of the documents provided by the designer and listed in Appendix 1. The document consisted of a Road Safety Audit Brief with a sketch design drawing, a summary of the general details of the scheme including traffic flows and a summary of the personal injury collision data between 2012 and 2016. The personal injury collision data indicates that there is no injury collision problem within the vicinity of the proposed development.
- 1.4. The Audit Team has not been advised of any departures from standards.
- 1.5. The Audit Team visited the site together on the 7<sup>th</sup> November 2017 between 2:30pm and 3:00pm. Weather conditions at the time of the audit was overcast with light rain. The road surface was damp. Traffic flows were low. No pedestrians or cyclists were observed during the site visit.
- 1.6. The team has examined and reported only on the road safety implications of the scheme as presented and has not examined or verified the compliance of the designs to any other criteria.
- 1.7. All comments and recommendations are referenced to the design drawing and the locations have been indicated on plans in Appendix 2.



- 1.8. The scheme consists of the provision of a simple tee give way controlled junction, to facilitate access to a proposed residential development for 29 dwellings and a Doctor's surgery off Reeds Lane, Sayers Common.

## 2. ITEMS RAISED BY THIS STAGE 1 AUDIT

### 2.1. JUNCTIONS

#### 2.1.1. Problem

##### **Location: A (Drawing Q2.1) – At the Development Access**

**Summary:** Large vehicles may have difficulty turning in/out of the development access and this may result in them over-riding the kerbs or conflicting with other users.

Large vehicles such as delivery vehicles or refuse vehicles turning in or out of the development access may have difficulty negotiating the proposed geometry and this may result in them over-riding the kerbs, or conflicting with other road users.

##### **Recommendation**

It is recommended that vehicle swept paths are checked to ensure that all anticipated vehicle types and movements are catered for.

#### 2.1.2. Problem

##### **Location: B (Drawing Q2.1) – At the Development Access/Reed's Lane**

**Summary:** Sunken Service Cover within junction area – potential hazard for two-wheel users

At the junction location there is an existing sunken service cover. This could potentially be a hazard for two-wheeled users when turning. Two-wheeled users can be vulnerable to loss of control on service covers particularly during wet road surface conditions.



### **Recommendation**

It is recommended that the service cover is located away from the junction, or the cover should have adequate skid resistant properties and raised to the level with the carriageway surface.

## **2.2. NON-MOTORISED USERS**

### **2.2.1. Problem**

**Location: C (Drawing Q2.1) – At the Development Access**

**Summary: Potential trip hazard or obstruction for pedestrians**

The existing footway runs along the southern side of Reeds Lane with no provision along the north side. The development is likely to create a pedestrian desire line and therefore there is likely to be a need to cross Reeds Lane. Full height kerbs may lead to pedestrian trips or falls, or accessibility issues for wheel chair users. Opposite the proposed footway on Reeds Lane there is a private driveway, and this may be located at a point where pedestrians wish to cross.



### **Recommendation**

It is recommended that a co-ordinated footway and pedestrian crossing facility is provided to link the proposed footways within the development and the existing footway. Any pedestrian crossing facility on Reeds Lane should not conflict with private driveways on the south side of Reeds Lane.

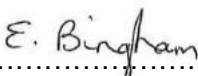


**3. AUDIT TEAM STATEMENT**

We certify that this audit has been carried with reference to HD 19/15.

**Audit Team Leader**

Elaine Bingham,  
B Eng (Hons), MCIHT, MSoRSA  
Highways England Certificate of Competence (Road Safety Audit)

Signed:  ..... Dated 8<sup>th</sup> November 2017

**Audit Team Member**

Kevin Seymour,  
B Sc, PG Dip TS, MCIHT, MSoRSA  
Highways England Certificate of Competence (Road Safety Audit)

Signed:  ..... Dated 8<sup>th</sup> November 2017

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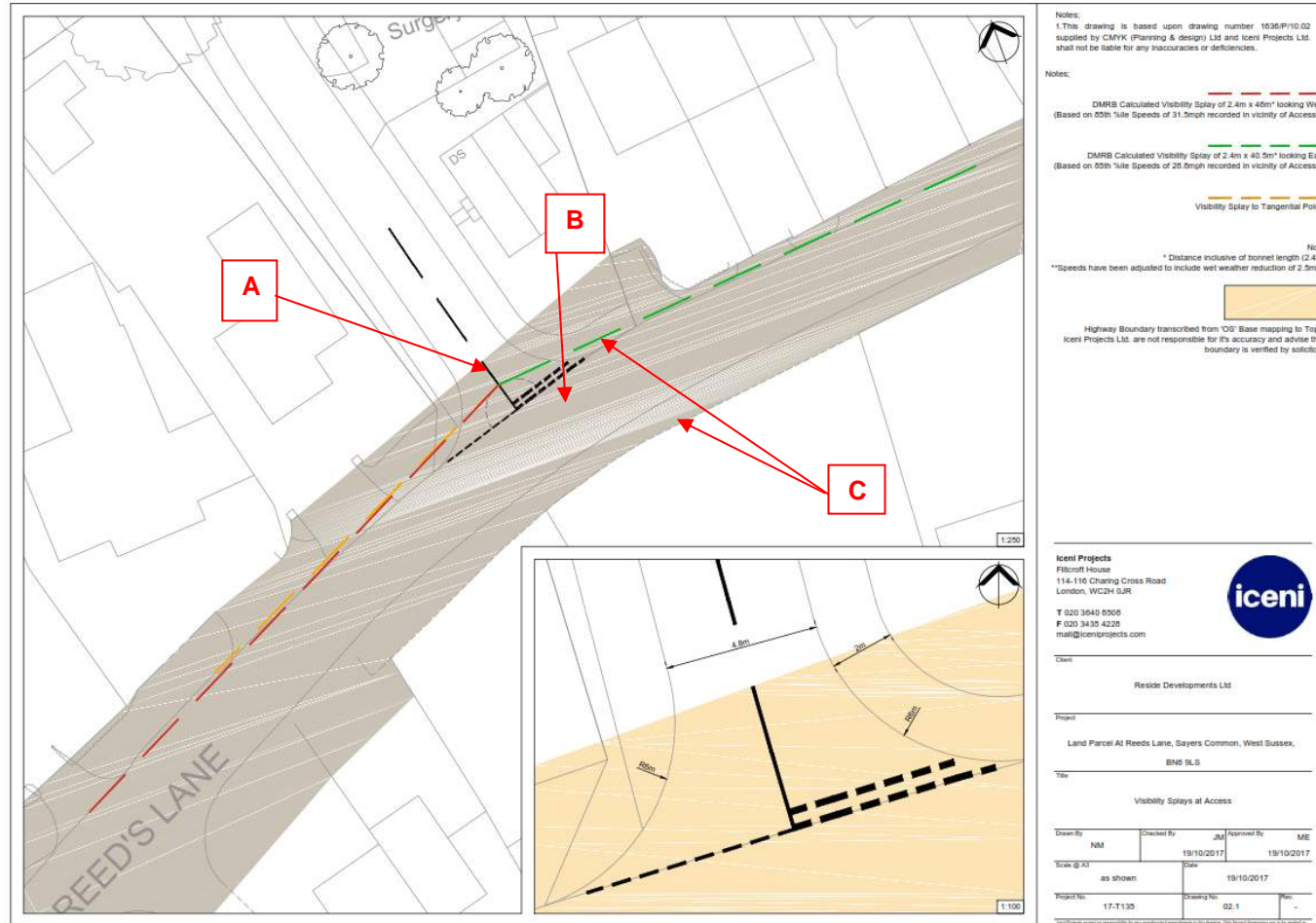
## **APPENDIX 1: Information Provided**

### **List of Information Provided**

- Audit Brief
- Drawing 17-T135-02.1 – Visibility Splays at Access
- Drawing 1636/P/10.02 – Site Layout



**APPENDIX 2: Drawing Showing Problem Locations**



## DESIGNER'S RESPONSE

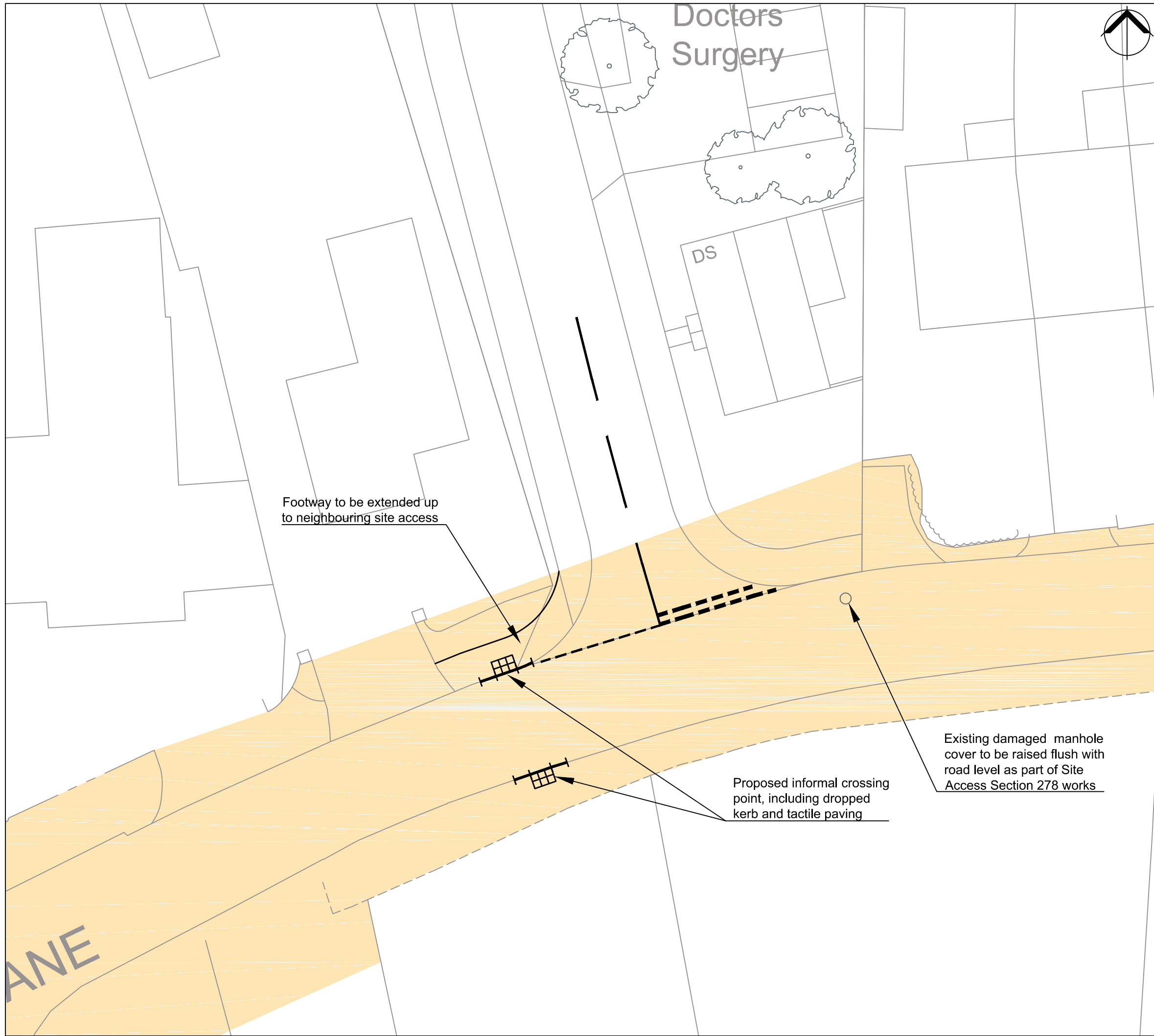
Auditors: Elaine Bingham (Team Leader) and Kevin Seymour (Team Member).

Date Audit Completed: 7<sup>th</sup> November 2017.

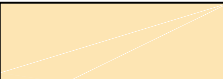
### REEDS LANE, SAYERS COMMON, WEST SUSSEX. PROPOSED ROUNDABOUT ACCESS TO NEW DEVELOPMENT



This response is to a Stage 1 Road Safety Audit to the design standard detailed within HD19/03 of Volume 5, Section 2, Part 2, of the Design Manual for Roads and Bridges, as detailed by the Highways Agency.

<b>Problem no. in safety audit report</b>	<b>Problem accepted (yes/no)</b>	<b>Recommended measure accepted (yes/no)</b>	<b>Alternative measure (detail description)</b>
2.1.1	Yes	Yes	Accepted. A Swept Path Analysis exercise has been undertaken as part of the highway access review, and the swept paths can function safely in its current form. The full details of this can be provided as part of the Reserved Matters application for the site and reviewed as part of the Stage 2 RSA.
2.1.2	Yes	Yes	Accepted. Details regarding statutory undertakers' equipment to be provided for the detailed design Stage 2 Road Safety Audit.
2.2.1	Yes	Yes	Accepted. An informal pedestrian crossing can be incorporated within the junction design, the full details of which can be provided as part of the Reserved Matters application for the site and reviewed as part of the Stage 2 RSA



Notes;  
 1.This drawing is based upon drawing number 1636/P/10.02 supplied by CMYK (Planning & design) Ltd and Icen Projects Ltd. shall not be liable for any inaccuracies or deficiencies.

Notes;  
  
 Highway Boundary transcribed from 'OS' Base mapping to Topo. Icen Projects Ltd. are not responsible for it's accuracy and advise that boundary is verified by solicitors.

Key:  
 'Buff' Tactile paving  
 Dropped Kerb

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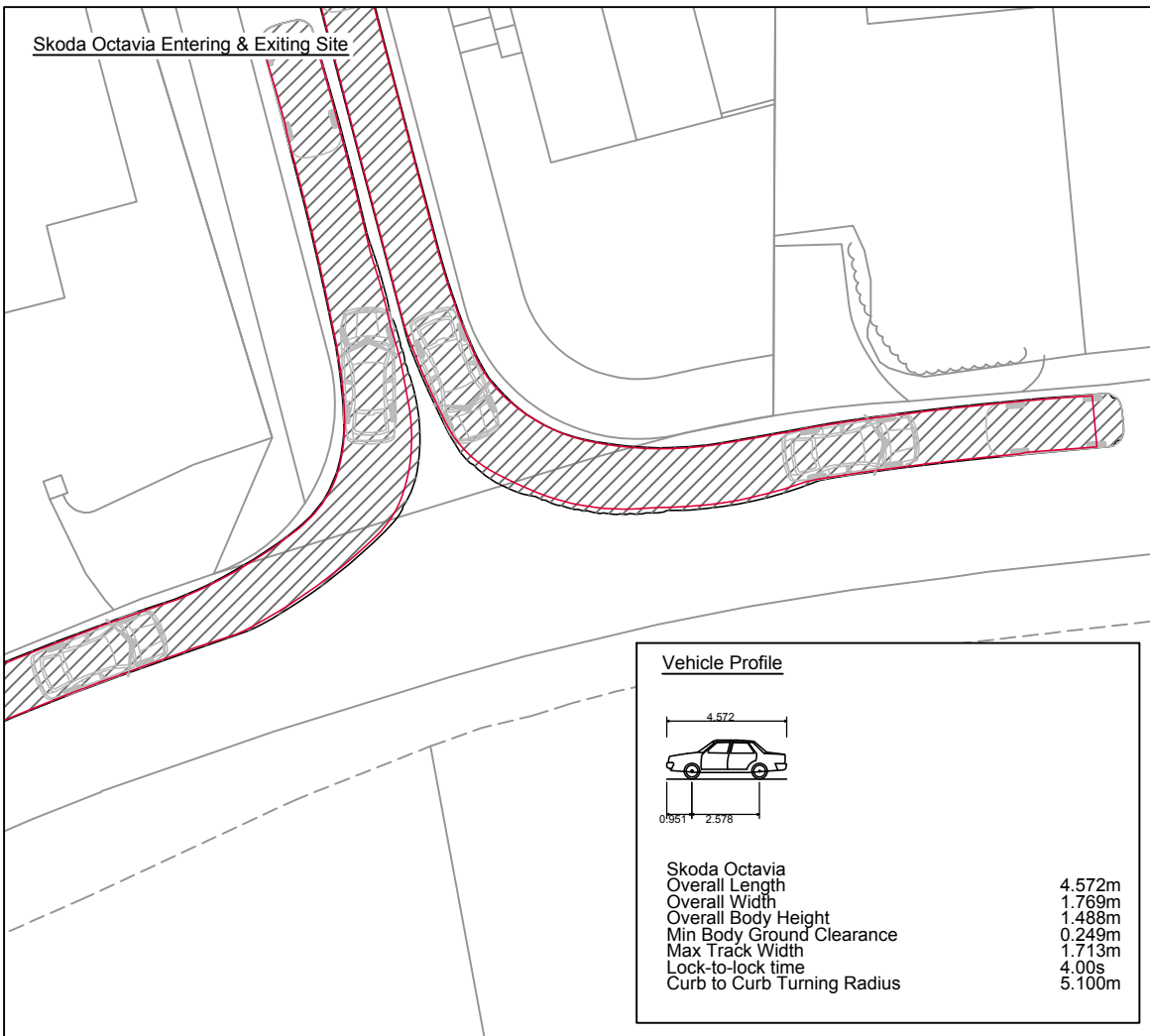


Client  
 Reside Developments Ltd  
 Project  
 Land Parcel At Reeds Lane, Sayers Common, West Sussex,  
 BN6 9LS  
 Title  
 Proposed Informal Pedestrian Crossing works

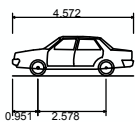
Drawn By NM	Checked By JM 08/11/2017	Approved By ME 09/11/2017
Scale @ A3 as shown	Date 09/11/2017	
Project No. 17-T135	Drawing No. 05	Rev. -

Iceni Projects accept no responsibility for any unauthorised amendments to this drawing. Only figured dimensions are to be worked to.

Skoda Octavia Entering & Exiting Site

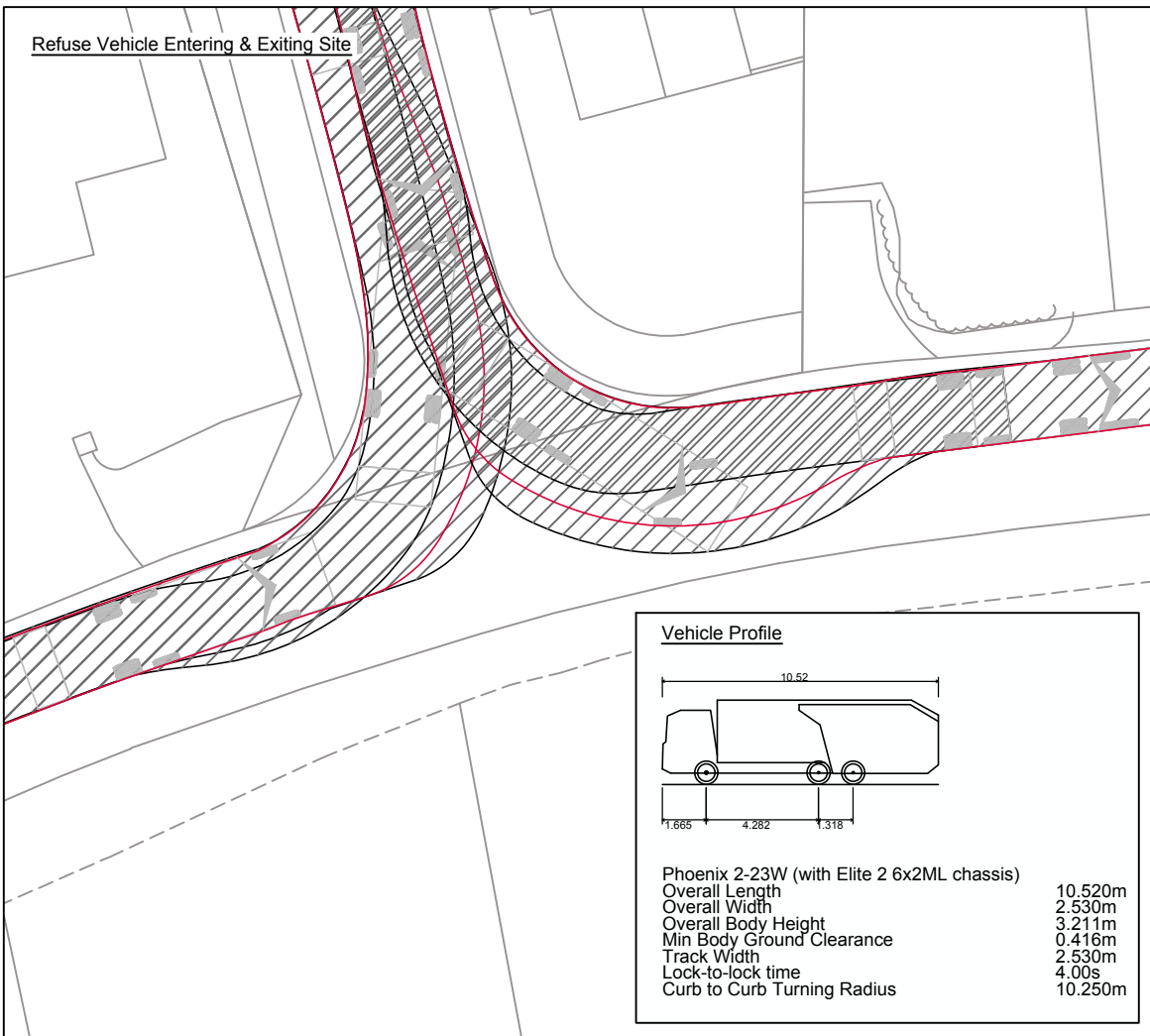


Vehicle Profile

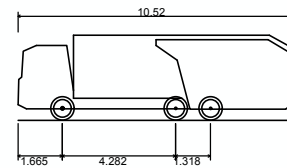


Skoda Octavia	
Overall Length	4.572m
Overall Width	1.769m
Overall Body Height	1.488m
Min Body Ground Clearance	0.249m
Max Track Width	1.713m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	5.100m

Refuse Vehicle Entering & Exiting Site

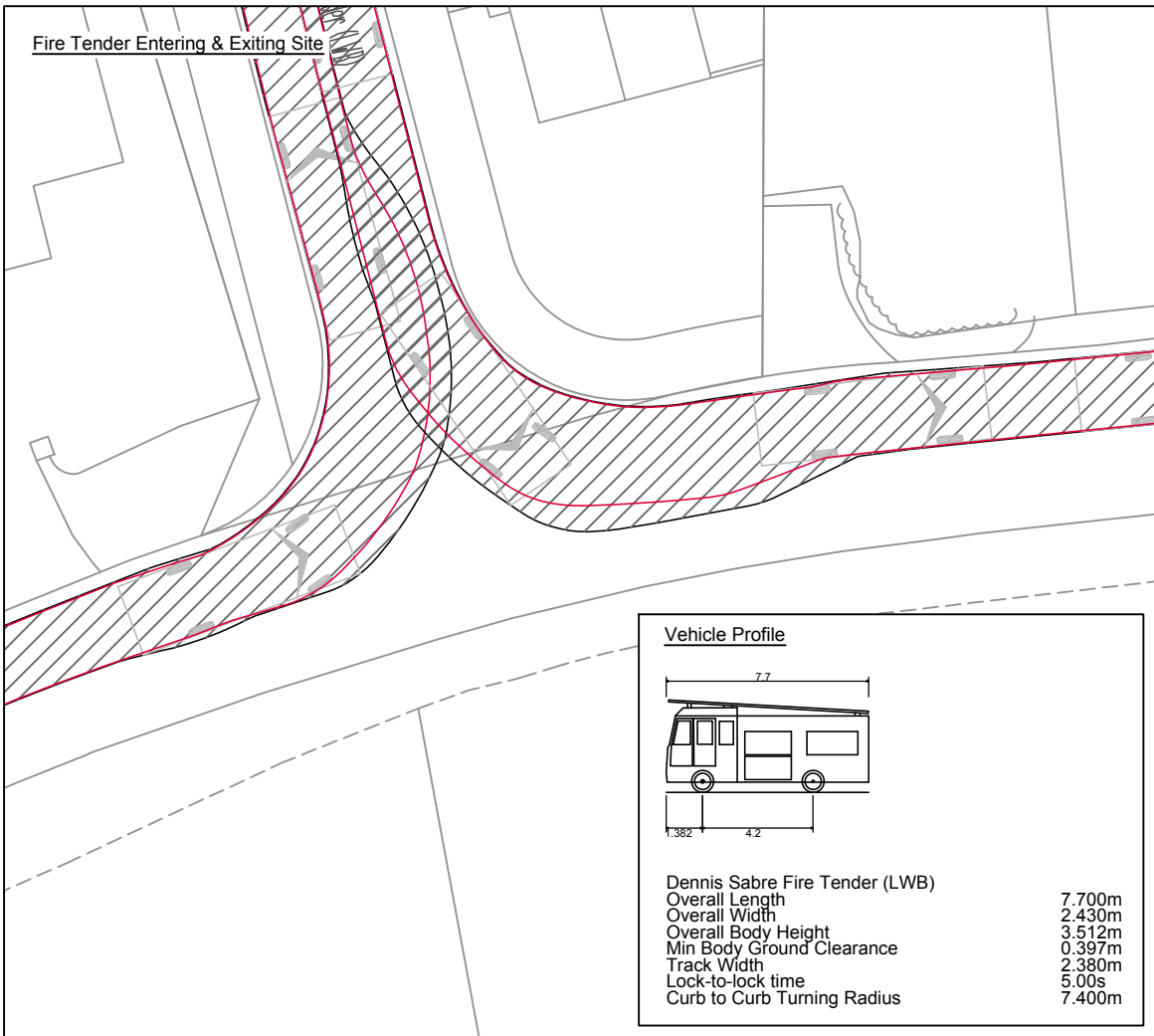


Vehicle Profile

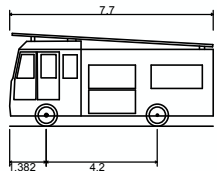


Phoenix 2-23W (with Elite 2 6x2ML chassis)	
Overall Length	10.520m
Overall Width	2.530m
Overall Body Height	3.211m
Min Body Ground Clearance	0.416m
Track Width	2.530m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	10.250m

Fire Tender Entering & Exiting Site

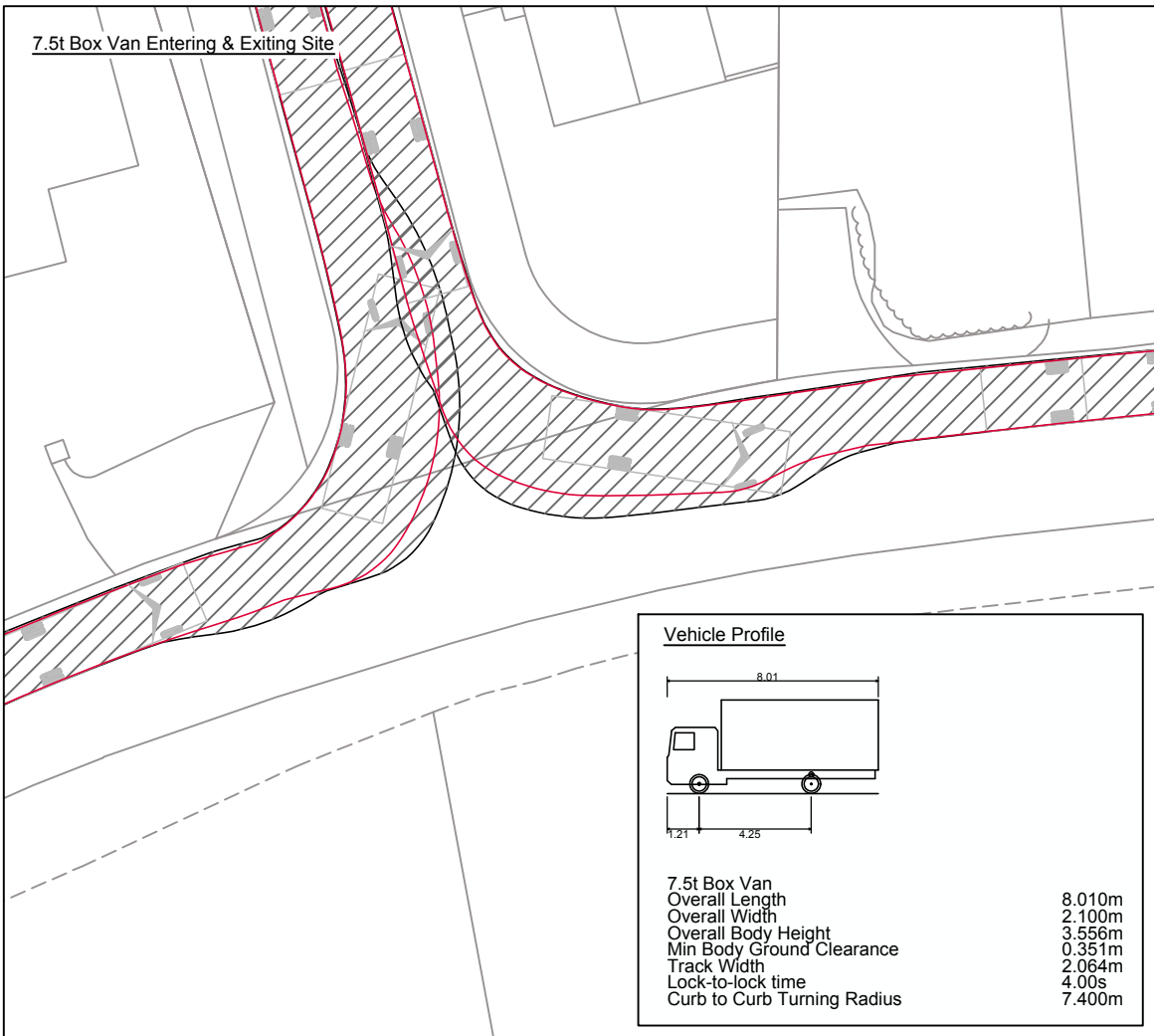


Vehicle Profile

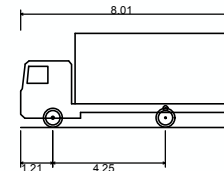


Dennis Sabre Fire Tender (LWB)	
Overall Length	7.700m
Overall Width	2.430m
Overall Body Height	3.512m
Min Body Ground Clearance	0.397m
Track Width	2.380m
Lock-to-lock time	5.00s
Curb to Curb Turning Radius	7.400m

7.5t Box Van Entering & Exiting Site

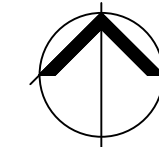


Vehicle Profile



7.5t Box Van	
Overall Length	8.010m
Overall Width	2.100m
Overall Body Height	3.556m
Min Body Ground Clearance	0.351m
Track Width	2.064m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	7.400m

Notes;  
1.This drawing is based upon drawing number 1636/P/10.02 supplied by CMYK (Planning & design) Ltd and Icen Projects Ltd. shall not be liable for any inaccuracies or deficiencies.



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Client \_\_\_\_\_

Reside Developments Ltd

Project \_\_\_\_\_

Land Parcel At Reeds Lane, Sayers Common, West Sussex,  
BN6 9LS

Title \_\_\_\_\_

Swept Path Analysis  
(Entering and Exiting Site Access)

Drawn By NM	Checked By JM 19/10/2017	Approved By ME 19/10/2017
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Scale @ A3 1:500	Date 19/10/2017
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Project No. 17-T135	Drawing No. 1.6	Rev. -
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