



North of East Street, Rusper

Transport Statement

Client: Devine Homes

i-Transport Ref: BT/SG/ITB200340-001D

Date: 14 March 2025

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i-Transport LLP

The Square
Basing View
Basingstoke
Hampshire
RG21 4EB

Tel: 01256 898 366

www.i-transport.co.uk

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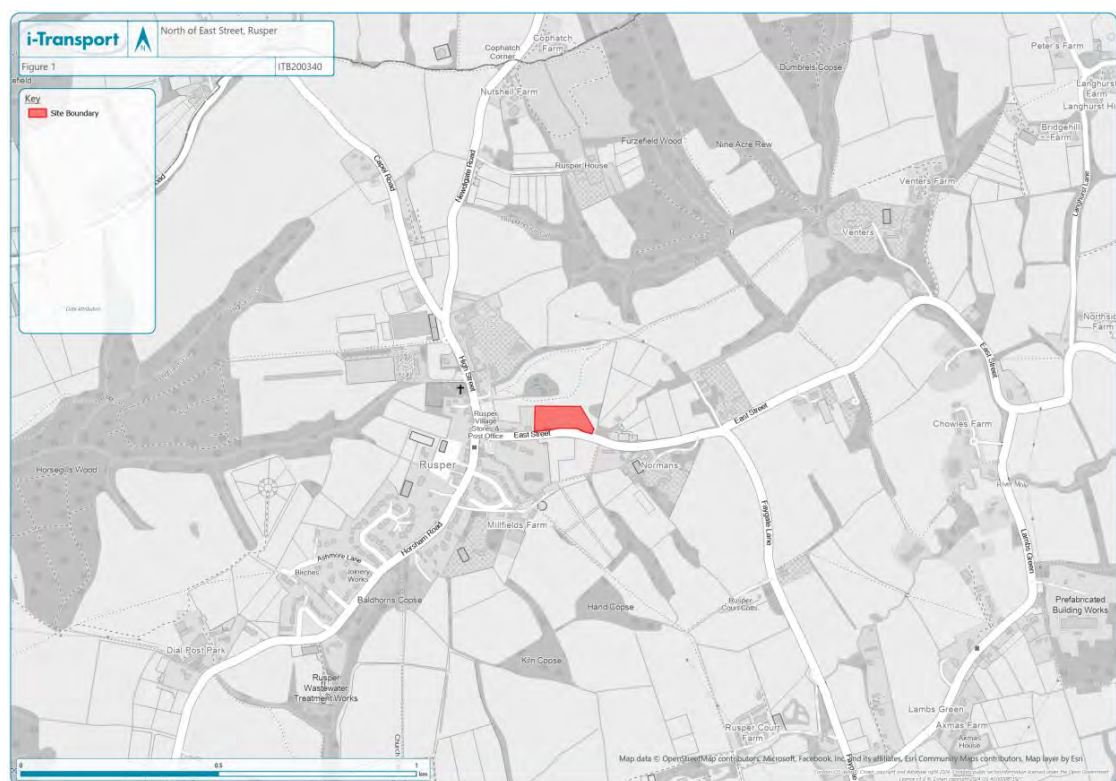
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SECTION 1 Introduction

1.1 Overview

- 1.1.1 Devine Homes has appointed i-Transport LLP to provide highways and transport advice in relation to a full planning application for development of 18 new homes on land north of East Street, Rusper.
- 1.1.2 The site has a draft allocation for 20 homes under Strategic Policy HA15 / RS2 of the Horsham District Local Plan 2023-2040 Regulation 19.
- 1.1.3 The site is located to the east of Rusper village centre and approximately 8km north of central Horsham and 8.6km west of Crawley. There are residential properties to the west of the site with agricultural land in the north and the east. The location of the site can be seen in **Figure 1**, and as an extract in **Image 1.1**.

Image 1.1: Site Location Plan



1.2 Scope

- 1.2.1 The National Planning Policy Framework (NPPF) identifies the four key transport tests against which development should be assessed. This Transport Statement (TS) considers the proposal against these key tests, which are as follows:

- Will the opportunities for sustainable transport be appropriately taken up?
- Will safe and acceptable access be provided for all people?
- Will the residual cumulative impact of the development be acceptable i.e. not severe?
- Will the design of streets, parking areas, other transport elements adhere to current national guidance?

1.2.2 The TS identifies the proposed access arrangements, considers how the development will take up sustainable travel opportunities, provides an assessment of the potential impacts of the development on the local highway network and considers details of the internal layout of the site, including connections to the local transport network, as well as car and cycle parking and servicing and delivery arrangements.

1.3 Structure

1.3.1 The remainder of this TS is structured as follows:

- **Section 2** – Provides a summary of relevant policy considerations;
- **Section 3** – Summarises the existing transport conditions in the local area;
- **Section 4** – Sets out the accessibility of the site and provides a summary of the local services and facilities available;
- **Section 5** – Provides a summary of the development proposal, including the proposed site access arrangements, pedestrian and cycle connections, site servicing and car and cycle parking provision;
- **Section 6** – Assesses the traffic impact of the proposed development; and
- **Section 7** – Provides a summary and conclusions.

SECTION 2 Policy Context

2.1 Introduction

- 2.1.1 This section of the TS summarises the national and local transport planning policies that provide the context for the transport appraisal of the proposed development.

2.2 National Policy

The National Planning Policy Framework (December 2024)

- 2.2.1 The NPPF details the Government's planning policies and set out how these are expected to be applied in relation to development proposals. The NPPF is a material consideration in determining applications for development.

- 2.2.2 The NPPF confirms (ref: paragraph 10) that at the forefront of planning is the ***"presumption in favour of sustainable development."***

- 2.2.3 Paragraph 110 states:

"Opportunities to maximise sustainable transport solutions will vary between urban and rural areas, and this should be taken into account in both plan-making and decision-making."

- 2.2.4 The scope and structure of this TA has been prepared to assess the proposal against the four key transport tests outlined in paragraph 115 of the NPPF:

- a) sustainable transport modes are prioritised taking account of the vision for the site, the type of development and its location;***
- b) Safe and suitable access to the Site can be achieved for all users;***
- c) The design of streets, parking areas, other transport elements and the content of associated standards reflects current national guidance, including the National Design Guide and the National Model Design Code; and***
- d) Any significant impacts from the development on the transport network (in terms of capacity and congestion), or on highway safety, can be cost effectively mitigated to an acceptable degree through a vision-led approach.***

- 2.2.5 Paragraph 116 of the NPPF goes on to state:

"Development should only be prevented or refused on highways grounds if there would be an unacceptable impact on highway safety, or the residual cumulative impacts on the road network, following mitigation, would be severe, taking into account all reasonable future scenarios."

National Planning Practice Guidance (NPPG) March 2014

- 2.2.6 The web-based National Planning Practice Guidance (NPPG) bring together planning guidance for England across all disciplines in an accessible way as well as to provide a clear link between guidance and the aims and objectives of the NPPF. The NPPG discusses the role of travel plans and transport assessments / statements and how they relate to each other.

2.3 Local Policy

Horsham District Planning Framework (excluding South Downs National Park)

- 2.3.1 The current Local Plan was adopted in December 2015 and provides the strategies and planning policies to meet the social, economic and environmental requirements of the District for the period up to 2031.
- 2.3.2 Of the policies relevant to transport, Policy 40 Sustainable Transport states development will be supported if:

“1. Is appropriate and in scale to the existing transport infrastructure, including public transport.

2. Maintains and improves the existing transport system (road, rail, cycle).

3. Is integrated with the wider network of routes, including public rights of way and cycle paths.

4. Includes opportunities for sustainable transport which reduce the need for major infrastructure and cut carbon emissions.

5. Is located in areas where there are, or will be, a choice in the modes of transport available.

6. Minimises the distance people need to travel and minimises conflicts between traffic, cyclists and pedestrians.

7. Delivers better local bus and rail services in partnership with operators and increasing opportunities for interchange between the public transport network and all other modes of transport.

8. Develops innovative and adaptable approaches to public transport in the rural areas of the district.

9. Provides safe and suitable access for all vehicles, pedestrians, cyclists, horses riders, public transport and the delivery of goods.

10. Is accompanied by an agreed Green Travel Plan where it is necessary to minimise a potentially significant impact of the development on the wider area or as a result of needing to address an existing local traffic problem.

- 2.3.3 Policy 41 Parking sets out the requirement for ensuring adequate parking is provided to support new development and states:

[...]

2. Adequate parking and facilities must be provided within developments to meet the needs of anticipated users. Consideration should be given to the needs of cycle parking, motorcycle parking, charging plug-in or other low emission vehicles and the mobility impaired.

[...]

- 2.3.4 Policy 3: Strategic Policy: Development Hierarchy states that any infill development will be required to demonstrate that it is of an appropriate nature and scale to maintain characteristics and function of the settlement in accordance with the settlement hierarchy. Rusper is categorised as a 'Smaller Village' which are defined as:

"Villages with limited services, facilities, social networks but with good accessibility to larger settlements (e.g. road or rail) or settlements with some employment but limited services facilities or accessibility. Residents are reliant on larger settlements to access most of their requirements."

Horsham District Local Plan 2023-2040 Regulation 19

- 2.3.5 Horsham District Local Plan 2023-2040 Regulation 19 document is the emerging new Local Plan for Horsham District and was submitted for consultation in January 2024. The Council formally submitted the Local Plan to the Planning Inspectorate on Friday 26 July 2024 and the Examination in Public commenced in December 2024.
- 2.3.6 The new Local Plan, once adopted, will cover the period from 2023 to 2040 but also considers a longer-term context of up to 30 years for strategic scale development. The plan aims to deliver the social, economic and environmental needs of Horsham District, excluding the South Downs National Park. The new Local Plan will also set the framework that allows local communities to prepare Neighbourhood Development Plans.
- 2.3.7 Of the policies relevant to transport, Strategic Policy 24: Sustainable Transport states development will be supported provided the following is demonstrated:
- "a) For residential development, the need for travel is minimised through provision in all homes for home working, including bespoke-design space within the home and gigabit capable broadband connection;***
- b) The layout, design and location of facilities and infrastructure prioritise the ability of residents and workers to safely and conveniently walk and cycle to meet their day-to-day work, shopping and leisure needs;***

c) Walking and cycling routes are designed to be safe, attractive, direct and legible, have priority over motorised traffic, and integrated with the existing and wider network;

d) Where feasible, provision is made for bus travel and infrastructure within the development, to include as appropriate the provision or improvement of bus stops and weather-proof shelters, information on service schedules, and bus priority over other motorised traffic movement;

e) All opportunities have been explored to maximise access to passenger rail services, primarily by walking, cycling and bus, but if appropriate by private car including the enhancement of rail station car parking where feasible;

f) Innovative approaches to sustainable movement and communication are fully considered, including demand responsive rural transport services where scheduled services are not feasible, on-demand cycle, e-cycle and scooter hire, and electric bus."

2.3.8 Strategic Policy 2: Development Hierarchy sets out that infill development will be permitted within towns and villages that will be required to demonstrate that it is of an appropriate nature and scale to maintain the characteristics and function of the settlement in accordance with the settlement hierarchy. Rusper is categorised as a 'Smaller Village' which are defined as:

"Villages with limited services, facilities, social networks but with good accessibility to larger settlements (e.g. road or rail) or settlements with some employment but limited services, facilities or accessibility. Residents are reliant on larger settlements to access most of their requirements."

2.3.9 The site has a draft allocation for 20 homes as site RS2 under Strategic Policy HA15 Rusper Housing Allocations.

2.3.10 In respect to parking, Policy 25 states:

[...]

"2. Adequate parking facilities in accordance with adopted parking standards guidance must be carefully designed into developments to meet the needs of users whilst achieving people-focused streets. Consideration should be given to the needs of motorcycle parking, and vehicles for the mobility impaired including mobility scooters.

3. Adequate, safe and secure parking and overnight storage facilities for bicycles must be provided within developments. These must be conveniently located to encourage the use of sustainable modes of transport.

4. Adequate parking and plug-in charging facilities must be provided to cater for the anticipated increased use of electric, hybrid or other low emission vehicles including electric cycles and mobility scooters

5. Plug-in charging facilities for all new residential parking spaces must be provided or at a minimum the infrastructure to enable easy installation in future.

6. Where off street parking is not provided within a development proposal, the design and layout should incorporate infrastructure to enable the on-street charging of electric or other vehicles.

7. For residential development with communal off-street parking provision, at least 20% of spaces must have active charging facilities and the infrastructure to enable easy activation of all spaces as demand increases."

[...]

Rusper Neighbourhood Plan 2018-2031

2.3.11 The purpose of the Rusper Neighbourhood Plan is to set out a series of planning policies that will be used to determine planning applications in the area during the period to 2031.

2.3.12 Policy RUS3: Design states:

"Planning applications must demonstrate through a written statement how the delivery of sustainable design standards is integral to the development. As a minimum, development will be expected, subject to viability, to achieve the standards required by the National Model Design Code including space standards or subsequent national requirements."

2.3.13 Policy RUS11: Promoting Sustainable Transport states:

"All new developments should ensure safe access to existing cycle and pedestrian routes that, in turn, directly serve the Movement Routes, as shown on the Policies Map. Where possible, schemes should take available opportunities to improve and extend the footpath and cycle network in order to provide better connectivity throughout the parish."

West Sussex County Council (WSCC) Transport Plan 4 2022-2036

2.3.14 The WSCC Local Transport Plan 4 was published in April 2022 and sets out a long-term strategy and implementation plan for making improvements to the transport system throughout the county over the next 20 years.

2.3.15 The strategy for Horsham is to provide improvements to the transport system to tackle the identified transport issues as and when funding becomes available. To ensure that the regeneration aspirations of the plan are delivered, and the identified transport issues are addressed, they will ensure that all new scheme and developments contribute, and support, in some way to the following:

- ***Increasing use of sustainable modes of transport***
- ***Improving network efficiency in order to improve journey times and air quality***
- ***Improving safety for all road users***

- *Facilitating the introduction of on-street electric vehicle charging infrastructure*
- *Improving active travel facilities within existing communities and between towns*

2.3.16 This TS has been prepared in accordance with the strategies set out in the Local Transport Plan. It provides a comprehensive assessment of the impact of the development proposal and sets out a suitable access strategy.

2.4 Parking Standards

West Sussex County Council Guidance on Parking at New Developments August 2019

2.4.1 This guidance note outlines the WSCC's approach to parking at new developments (both residential and non-residential). Rusper is located within Parking Behaviour Zone 1 of the Horsham District, and these standards are summarised in **Table 2.1** below.

Table 2.1: Parking Standards

Type	Number of Bedrooms	Cycle Parking	Car Parking
House	1	1 space per dwelling	1.5 spaces per dwelling
House	2	1 space per dwelling	1.7 spaces per dwelling
House	3	2 spaces per dwelling	2.2 spaces per dwelling
House	4+	2 spaces per dwelling	2.7 spaces per dwelling

2.5 Summary

2.5.1 National and local policy guidance requires new development to be located so as to be accessible by a range of modes of transport including walking, cycling and public transport, whilst recognising this may be less achievable in rural areas. Appropriate access arrangements and car parking provision should also be provided. The following sections of the TS describe how the development proposal complies with these national and local policy considerations.

SECTION 3 Existing Transport Conditions

3.1.1 This section of the TS provides a review of the existing transport conditions within the vicinity of the site including walking, cycling, public transport and the local highway network.

3.2 Walking and Cycling

3.2.1 Footways commence on either side of East Street to the west of the southern boundary of the site where the built-up area commences.

3.2.2 On the northern side of East Street, the footway fluctuates in width but is typically 1.4m wide although there are sections where the footway narrows to approximately 1.0m wide further to the west, which is sufficient to accommodate a wheelchair or pushchair. The footway on the southern side of the carriageway is a minimum of 1.2m wide which is sufficient for two pedestrians to pass each other without needing to step into the carriageway.

3.2.3 The footways continue to the west providing access into Rusper Village where the main local facilities and bus stops are situated. These facilities continue onto Horsham Road to the south providing a connection to Rusper Primary School.

3.2.4 Whilst there is no dedicated cycling infrastructure in the vicinity of the site, cycling opportunities on the carriageway in the vicinity of the site would be deemed as appropriate given the characteristics they present. In accordance with Manual for Streets (MfS) guidance suggesting that:

“Cyclists should generally be accommodated on the carriageway. In areas with low traffic volumes and speeds, there should not be any dedicated cycle lanes on the street.”
(MfS, para 6.4.1)

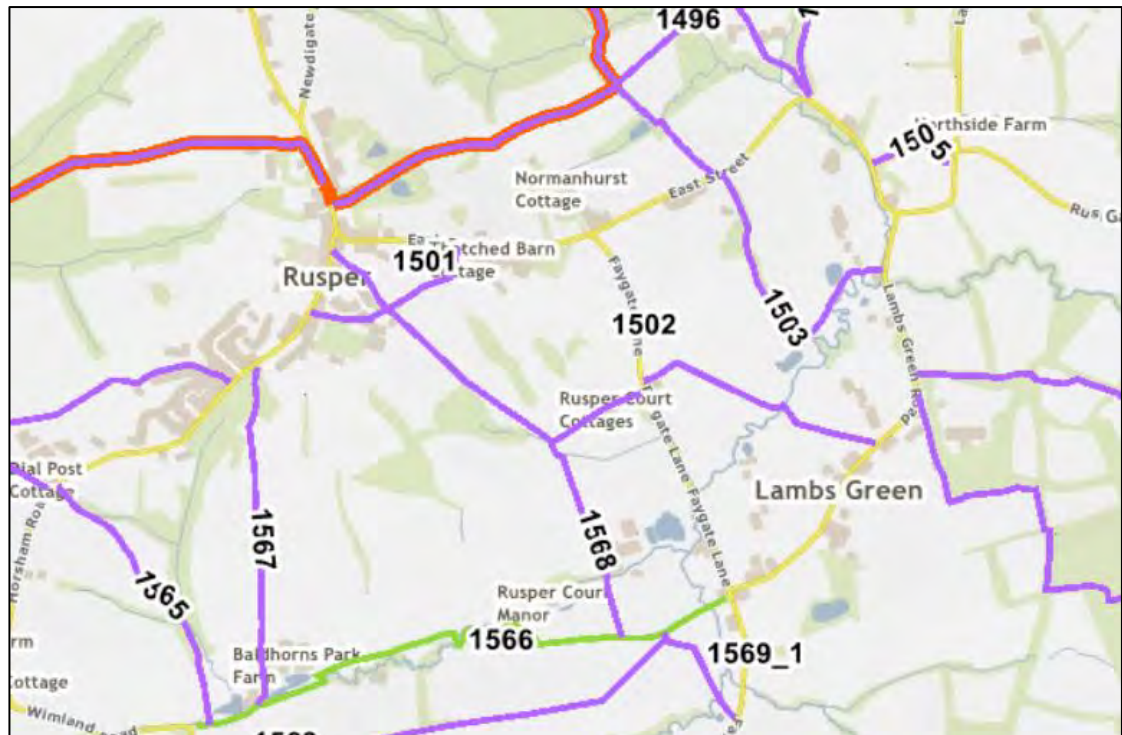
Public Rights of Way (PRoW)

3.2.5 There are several PRoW within the vicinity of the site, these are illustrated in **Image 3.1**.

3.2.6 Sussex Border Path is a 150 mile (241km) long-distance walking route that starts in Emsworth (Hampshire) and finishes in Rye (East Sussex). Access to the path is via the High Street, approximately 60m north of the junction with Horsham Road / East Street.

3.2.7 Footpath ref: 1501 provides a link between East Street and Horsham Road, with access to the path located on the southern side of the carriageway opposite the south-east corner of the site.

Image 3.1: Public Rights of Way



Source: WSCC PROW iMap

3.3 Public Transport

Bus

3.3.1 The nearest bus stops to the site are located opposite The Star Inn on both East Street and Horsham Road, approximately 200m-250m from the centre of the site, equating to a 3-minutes walking time. There is a bus shelter provided at the southbound bus stop on Horsham Road. These stops are currently served by the no's 52 and 639 bus services.

3.3.2 **Table 3.1** provides a summary of the bus frequency and times.

Table 3.1: Summary of Bus Services

Service	Route	Service Frequency
		Monday-Friday
52	Rusper – Faygate – Horsham – Broadbridge Heath	One service a day at 09:37 on Mondays and Thursday
	Broadbridge Heath – Horsham – Faygate – Rusper	One service a day at 13:03 on Mondays and Thursday
639 School Service	Crawley to Horsham Schools	Departing at 07:32 and arriving back at 15:27

Source: Bustimes.org

- 3.3.3 The no. 52 bus service provides opportunities to accommodate shopping, leisure, and personal business trips in Horsham, which provides a wide range of facilities and services. The no.639 school service provides direct access to Millais Secondary School, The Forest Secondary School and Colyers College during term time. This provides students a direct public transport connection from the site to either of the schools or college to accommodate secondary school education trips.

Rail

- 3.3.4 The nearest railway station to the site is Faygate, circa 3.4km south of the site, and is therefore within a reasonable cycle distance of the site. This station provides 9 car parking spaces, one accessible space and one cycle parking space. There is also step-free access to all platforms.
- 3.3.5 Alternatively, Horsham railway station is 7.7km away and provides 220 car parking spaces, 4 accessible spaces and 253 cycle spaces with CCTV provided. There is also step-free access to all platforms.
- 3.3.6 Horsham Railway Station provides a higher number of rail services and can be accessed via the no.52 service which takes circa 19 minutes.
- 3.3.7 Both stations are located on the Arun Valley Line and **Table 3.2** summarises the key destinations served from Faygate and Horsham railway station.

Table 3.2: Rail Service Summary

Station	Destination	Typical Frequency		Average Journey Duration
		Peak	Off-Peak	
Horsham	London Waterloo	5 services per hour	3 services per hour	1 hour 15 minutes
	Crawley	5 services per hour	3 services per hour	10 minutes
	Worthing	5 services per hour	5 services per hour	1 hour 16 minutes
	Gatwick Airport	5 services per hour	4 services per hour	23 minutes
Faygate	Horsham	2 services per hour	Various*	8 minutes

Source: Trainline

Notes: * = 2 services an hour until 9:05 then no service until 12:31 then no service until 17:34 then 2 services an hour

- 3.3.8 There are regular services to the listed destinations from Horsham station with five services an hour in the peak hour, and two services an hour in a peak hour from Faygate to Horsham. Therefore, residents have the opportunity to travel to various destinations via a sustainable mode of travel.

3.4 Local Highway Network

- 3.4.1 East Street forms the southern boundary to the site and is a two-way single carriageway approximately 5.4m wide and is subject to a 30mph speed limit through village. The speed limit increases to 40mph at the southwestern boundary of the site.
- 3.4.2 To the west of the site, East Street provides a connection to the village centre and forms a priority junction with Horsham Road and High Street. Horsham Road and the High Street are also both subject to a 30mph speed limit. Horsham Road provides a link southwards towards the A264 which provides a connection to Crawley in the east, Horsham to the south and Warnham to the west.
- 3.4.3 To the east of the site, East Street provides an alternative route towards Crawley via a network of rural lanes.

3.5 Summary

- 3.5.1 The site is accessible to a network of footways and quiet rural lanes that are suitable for walking and cycling and provide convenient access to all the facilities and services, including bus stops, located in the village. The bus stops are within a three-minute walk of the proposed development and provides a connection to secondary schools and a college during term time. There are also bus services during the week to Horsham to accommodate shopping, leisure, and personal business trips, as well as for access to the Horsham railway station, which provides access to Crawley and further afield to a wider range of facilities and services. Faygate railway station is within a reasonable cycle distance of the site, which provides direct services to Horsham.

SECTION 4 Site Accessibility

4.1 Introduction

- 4.1.1 This section of the report sets out the accessibility of the site to key services and facilities by non-car modes of transport.

4.2 Accessibility

- 4.2.1 Paragraph 4.4.1 of the Manual for Streets states:

“Walkable neighbourhoods are typically characterised by having a range of facilities within 10 minutes’ (up to about 800 m) walking distance of residential areas which residents may access comfortably on foot. However, this is not an upper limit and PPG13 states that walking offers the greatest potential to replace short car trips, particularly those under 2km. MfS encourages a reduction in the need to travel by car through the creation of mixed-use neighbourhoods with interconnected street patterns, where daily needs are within walking distance of most residents.”

- 4.2.2 The National Travel Survey 2019 (Table NTS0308) confirms that some 80% of all trips under 1 mile (circa 1.6km) are walking journeys, whilst walking accounts for some 31% of all trips between 1 and under 2 miles (circa 1.6km – 3.2km). Walking trips fall away beyond 2 miles, with journeys of between 2 and 4 miles equating to approximately 4% of all trips.

- 4.2.3 The Department for Transport’s Cycling and Walking Investment Strategy (2017) states at paragraph 1.16 that:

“... there is significant potential for change in travel behaviour. Two out of every three personal trips are within five miles - an achievable distance to cycle for most people, with many shorter journeys also suitable for walking. For school children, the opportunities are even greater. Three quarters of children live within a 15 minute cycle ride of a secondary school, while more than 90% live within a 15 minute walk or bus journey from a primary school.”

- 4.2.4 The DfT’s Gear Change A bold vision for cycling and walking states (page 11) that:

In particular, there are many shorter journeys that could be shifted from cars, to walking, or cycling. We want to see a future where half of all journeys in towns and cities are cycled or walked. 58% of car journeys in 2018 were under 5 miles. And in urban areas, more than 40% of journeys were under 2 miles in 2017–2018. For many people, these journeys are perfectly suited to cycling and walking.

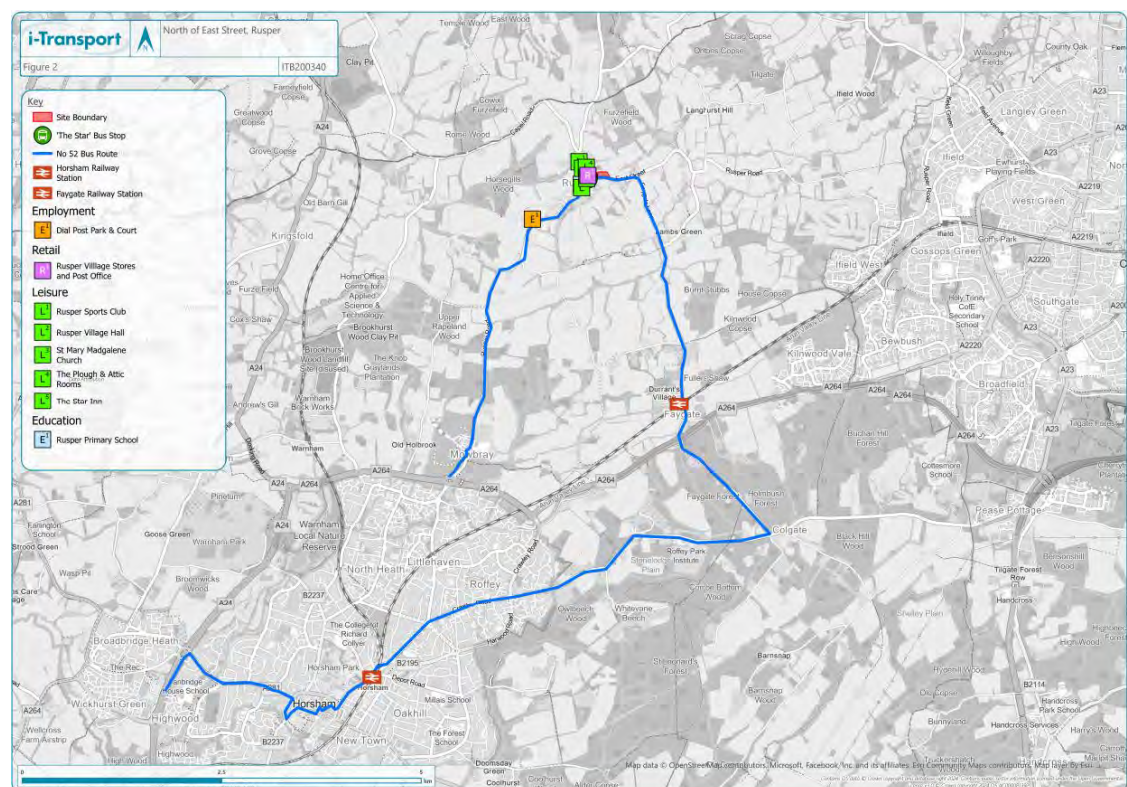
- 4.2.5 There is a wealth of guidance on walking and cycling distances. It is clear is that 1.6km (circa 1 mile) is a distance that many people will walk and as such is a reasonable walking distance, whilst 8km (circa 5 miles) is a reasonable cycling distance for many people.

4.3 Accessibility to Local Facilities and Services

4.3.1 Rusper is identified as a 'Smaller Village' within both the adopted Horsham District Planning Framework (excluding South Downs National Park) and Horsham District Local Plan 2023-2040 Regulation 19 document which is defined as a village with limited services, facilities, social networks but with good accessibility to larger settlements (e.g. road or rail) or settlements with some employment but limited services, facilities or accessibility. Residents are reliant on larger settlements to access most of their requirements.

4.3.2 The primary destinations within the immediate local area, including facilities for education, retail, employment and leisure are listed in **Table 4.1** and illustrated in **Figure 2**, an extract of which is provided in **Image 4.1**.

Image 4.1: Local Accessibility Plan



4.3.3 A zoomed in version of the Accessibility Plan is shown in **Image 4.2** to show facilities close to the site in the village.

Image 4.2: Accessibility Plan – Zoomed In

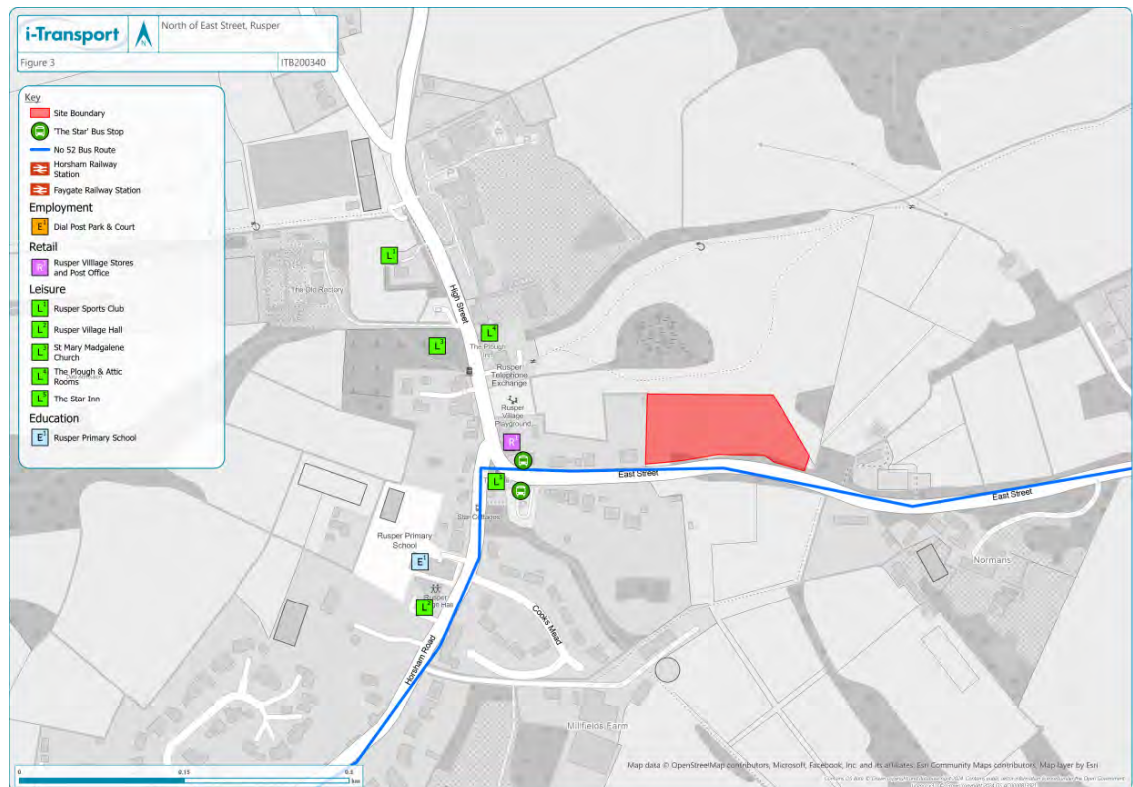


Table 4.1: Local Facilities and Services

Purpose	Destination	Total Distance (m)	Walking Journey Time (mins)	Cycle Journey Time (mins)
Leisure	The Star Inn	247	3	1
	The Plough & Attic Rooms	337	4	1
	St Mary Madgalene Church	337	4	1
	Rusper Sports Club	487	6	2
	Rusper Village Hall	437	5	2
Retail	Rusper Village Stores and Post Office	210	3	1
Education	Rusper Primary School	387	5	1
Employment	Dial Post Park & Court	1,330	16	5
Transport	The Star Inn Bus Stops	200-250	3	1

Purpose	Destination	Total Distance (m)	Walking Journey Time (mins)	Cycle Journey Time (mins)
	Faygate Railway Station	3,400		13
	Horsham Railway Station	7,700		29

Key:

	Within a comfortable walking (800m) / cycling (5km) distance
	Within a reasonable walking (1.6km) / cycling (8km) distance
	Within an acceptable walking distance (3.2km)

- 4.3.4** **Table 4.1** demonstrates that all of the services and facilities located within Rusper are within a 'comfortable' 800m walking distance of the centre of the site. This includes primary school education and a number of facilities to satisfy everyday shopping and personal business needs, appropriate for a village location.
- 4.3.5** All the identified facilities are within a 'comfortable' cycling distance of the site, including Faygate railway station. Horsham railway station is also accessible via the no.52 bus service from bus stops located approximately 3-minute walking time from the site. In addition, these bus stops provide a direct public transport connection to accommodate secondary school education trips. Therefore, residents of the development will have the opportunity to travel to a wider range of facilities via sustainable mode of travels.
- 4.3.6** Overall, the site provides an appropriate level of non-car accessibility for a rural location, in compliance with the NPPF and in accordance with Policy 40 of the adopted Horsham District Planning Framework (excluding South Downs National Park) and Policy 24 of the emerging Horsham District Local Plan 2023-2040.

SECTION 5 Development Proposal

5.1 Introduction

5.1.1 This Section of the TS describes the development proposal. It also identifies the access and parking arrangements that will serve the proposed development.

5.2 Proposed Development

5.2.1 The proposed development comprises 18 residential units, including six affordable dwellings. The development proposal will provide a wide variety of units from 2 bed houses through to 3 and 4 bed properties. The proposed housing mix is set out in Table 5.1.

Table 5.1: Proposed Development: Housing Mix

House Type	Private	Affordable	Total
Two-bedroom	3	5	8
Three-bedroom	7	1	8
Four-bedroom	2	-	2
Total	12	6	18

Source: ECE Architecture Limited

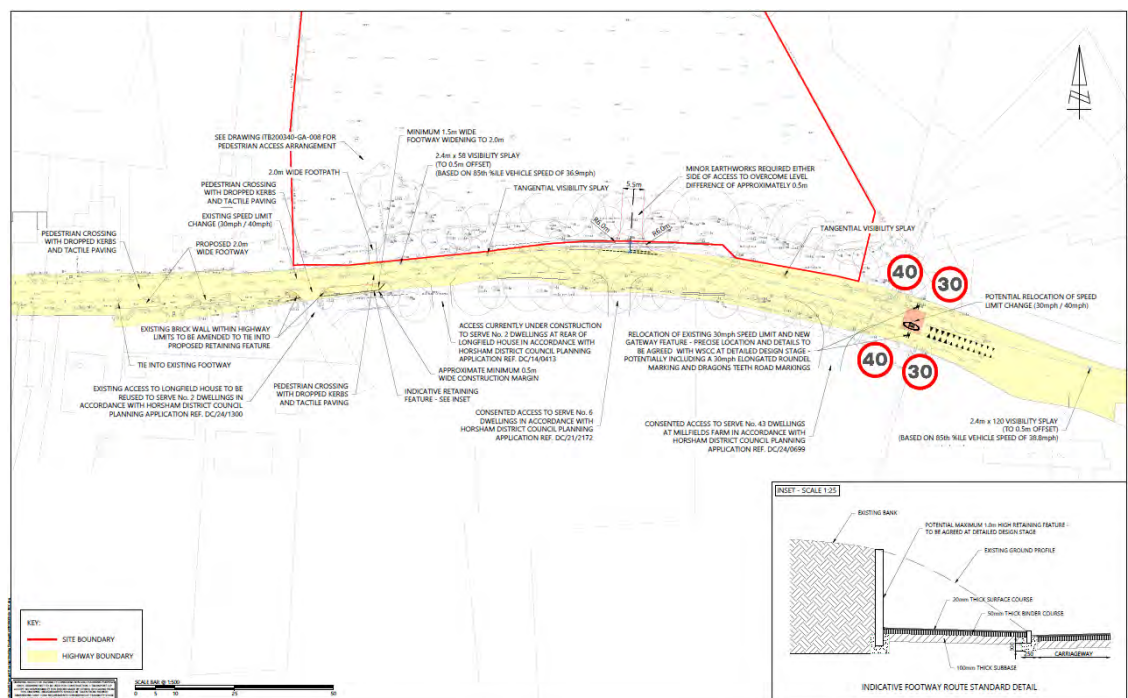
5.2.2 The proposed site layout is included at **Appendix A** and extracted below as **Image 5.1**.

Image 5.1: Proposed Site Layout



5.3.1 Access to the site is proposed via a simple priority junction onto East Street, located broadly central along the south boundary of the site frontage. The proposed access road will have a 5.5m carriageway width and 6.0m corner radii. The access will also be used by cyclists travelling to/from the site.

Image 5.2: Site Access Arrangement



5.3.3 Automatic Traffic Counter (ATC) were installed on East Street in both the south-east and south-west corner of the site frontage between 11th August 2024 and 17th August 2024. In accordance with the guidance set in DMRB CA 185 'Vehicle Speed Measurement', vehicle speeds have been established for the preferred times for undertaking speed surveys, i.e. between 1000-1200 and 1400-1600 hours. The results of this survey are provided in full in **Appendix B**. Table 4.2 sets out the observed 85th percentile vehicle speeds.

5.3.4 The recorded 85th percentile speed of westbound vehicles (measured in the south-west corner of the site) was 38.8mph (62.5kph) and the 85th percentile speed of eastbound vehicles (measured at the commencement of the urban area) was 36.9mph (59.4kph).

- 5.3.5 MfS2 provides guidance of where the main principles of the Manual for Streets apply for streets of differing speeds. As set out in paragraph 1.3.2 of MfS2:

“... most MfS advice can be applied to a highway regardless of speed limit. It is therefore recommended that as a starting point for any scheme affecting non-trunk roads, designers should start with MfS.”

- 5.3.6 Paragraphs 1.3.6 of MfS2 also states:

“It is only where actual speeds are above 40mph for significant periods of the day that DMRB parameters for SSD are recommended. Where speeds are lower, MfS parameters are recommended.”

- 5.3.7 The observed vehicle speeds on East Street in the vicinity of the proposed site access therefore indicate that MfS parameters are appropriate in this location. Using the formula set out in MfS, speeds of 36.9mph for vehicles travelling eastbound requires a minimum visibility splay of 2.4m x 58m to the right.

- 5.3.8 In order to provide a ‘worst case’ assessment of visibility requirements to the east (i.e. for westbound vehicle speeds) the guidance provided in Design Manual for Roads and Bridges (DMRB) (i.e. the statutory guidance for trunk roads) has been used. CD123 ‘Geometric design of at-grade priority and signal-controlled junctions’ states that for roads with design speeds of 70kph the visibility provision along the main road should be some 120m, i.e. a vehicle approaching along East Street needs to see and be seen from an emerging vehicle from the proposed access at a distance of 120m. This visibility provision is therefore robust for the observed westbound vehicle speeds of 62.5kph, as identified by the speed survey.

- 5.3.9 i-Transport drawing no. **ITB200340-GA-002** demonstrates that the proposed access provides visibility splays of 2.4m x 58m to the right and 2.4m x 120m to the left to a 0.5m off-set from the nearside channel. The drawing demonstrates these sight lines are achievable either within the highway maintainable at the public expense or land under the applicant’s control.

- 5.3.10 i-Transport drawing no. **ITB200340-GA-006** demonstrates that the visibility is achievable in both directions in the vertical plane for vehicles exiting the site from a typical driver’s eye height of 1.05m to an object height of 0.26m above the ground. The drawing also demonstrates that the stopping sight distance in the vertical plane for approaching westbound drivers on East Street is also adequate to see vehicles waiting to turn right into site access safely.

- 5.3.11 The proposed site access arrangements therefore provide safe and acceptable visibility from the site onto East Street in both the horizontal and vertical plane appropriate for the observed vehicle speeds in accordance with current design guidance and in accordance with Policy 40 of the adopted Horsham District Planning Framework (excluding South Downs National Park) and Policy 24 of the emerging Horsham District Local Plan 2023-2040.
- 5.3.12 In order to better integrate the site with the existing urban area, the applicant is willing to make a financial contribution to fund all reasonable costs related to the traffic regulation order (TRO) necessary to extend the existing 30mph speed limit on East Street to include the proposed site access, i.e. the existing 30mph will be relocated approximately 150m further to the east from its existing location. However, as has been set out above, the proposed site access meets current design standards on the basis of the prevailing vehicle speeds and therefore this speed limit change is desirable not essential.
- 5.3.13 In addition to the relocation of the existing 30mph speed limit, a new gateway feature will also be provided to inform approaching drivers that they are leaving a rural area and entering an area of different character. The detail will be agreed with WSCC at detailed design stage but it is currently envisaged will incorporate a distinctive change in road surface colour or material, a prominent sign to alert drivers to the residential area, a 30mph elongated roundel marking, as well as potentially other measures such as 'dragon's teeth' and rumble strips.

Pedestrian Access

- 5.3.14 The development proposal includes a separate pedestrian access located in south-western corner of the site. This access will comprise a 2.0m wide footpath which will connect into the network of shared surfaces within the site. The footpath will lead to an uncontrolled pedestrian crossing complete with dropped kerbs and tactile paving which will connect to a new footway on the southern side of East Street. The proposed uncontrolled pedestrian crossing will provide a visibility splay of 1.5m x 43m to west and 1.5m x 59m to the east. Existing vegetation will be cut back in the visibility envelope and **ITB200340-GA-008** demonstrates that the visibility from the proposed pedestrian access is achievable without encroaching onto any third party land. The proposed retaining wall will have a maximum height 0.9m adjacent to uncontrolled crossing to allow for appropriate visibility to the right from pedestrian eye height of 0.9m.

5.3.15 The proposed footway on the southern side will be constructed within the existing highway verge and bank and will generally be 2.0m wide with a minimum width of 1.5m. A retaining wall, or similar, will be constructed at the bank of the proposed footway to retain the existing embankment. An indicative design of the retaining wall is shown in drawing no. **ITB200340-GA-002**.

5.3.16 The proposed footway will continue westwards utilising the existing grass verge and will tie into the existing footway located to west of the Woodbury and Orchards properties. The existing brick wall located at the access to the former Longfield House will be amended within highway limits.

5.3.17 A further uncontrolled pedestrian crossing with dropped kerbs and tactile paving will be provided at the western end of the proposed footway to enable pedestrians to safely cross East Street onto the existing footway on the northern side of the carriageway.

Potential Kerb Build Out Arrangement

5.3.18 There is the opportunity to provide a kerb build out on the northern side of East Street opposite the proposed separate pedestrian access located in south-western corner of the site with an associated priority working. Eastbound movements (i.e. vehicles leaving the existing urban area) would give-way to westbound (i.e. inbound) movements. Although this build out is not required to achieve a safe pedestrian crossing, the associated priority arrangement would assist with minimising vehicle speeds in the village which may be seen as a wider benefit.

5.3.19 A potential arrangement is presented in **Appendix C**. The kerb build out would be clearly visible to approaching vehicles. An accompanying swept path drawing demonstrates there is ample space for a supermarket delivery vehicle to access and egress the existing and permitted accesses on the southern side of East Street either side of the potential build-out. Should the kerb build out be considered beneficially locally (such as to the Parish Council), the applicant would like to discuss with WSCC delivering this as part of the access works.

Stage One Road Safety Audit

5.3.20 In accordance with the requirements of West Sussex County Council, an independent Stage One Road Safety Audit (S1RSA) of the proposed priority junction arrangement via East Street, and separate pedestrian access, has been carried out. A copy of the Stage One Road Safety Audit and associated Designer's Response is provided at **Appendix D**.

- 5.3.21 The proposed vehicular and pedestrian access arrangements submitted as part of this application and as shown in drawing no **ITB200340-GA-002** (the drawing submitted with this application) address the road safety concerns identified and as such there are no residual road safety concerns.

Relationship with Committed Accesses along East Street

- 5.3.22 A new access is currently being constructed on the southern side of East Street to serve two new residential dwellings on land to the rear of Longfield House approximately 45m to the west of the access for the proposed development (planning application reference DC/14/0413) and there is a consented new simple priority junction, also on the southern side of the carriageway, to serve 43 dwellings at Millfields Farms some 50m to the east (planning application reference DC/24/0699). These provide ample junction spacing for the prevailing vehicle speeds along East Street for junctions on opposite sides of the carriageway.
- 5.3.23 In addition, there is also a consented access to serve 6 new residential dwellings (planning application reference DC/21/2172) located broadly opposite the proposed development access.
- 5.3.24 As set out in Section 6, there is forecast to be one turning manoeuvre into and out of the proposed site access a maximum of every five and a half minutes in the weekday peak hour periods. The permitted scheme of 6 dwellings is likely to generate one turning manoeuvre every 15 minutes in the weekday peak hours.
- 5.3.25 These number of vehicle movements is small in real terms and the probability of vehicles turning into or out of both access at the same time is very low. Vehicles approaching and intending to turn into the proposed access or consented junction serving the 6 no. dwellings from either direction will be indicating to turn an appropriate distance in advance alerting following traffic and those emerging from either of the new accesses onto East Street. The inter-visibility for drivers using both accesses will be good which in turn will avoid conflicting movements and therefore the proposed location of the access to serve the development is unlikely to lead to vehicles pulling out in front of turning traffic associated with the permitted new access.
- 5.3.26 It is important to note that the safety audit also did not raise any highway safety issues with the minimal increase in turning movements in the vicinity of the consented accesses on the southern side of East Street and are satisfied the access proposals will operate safely.

5.4 Site Layout

- 5.4.1 The internal layout of the site (**see Appendix A**) has been developed in line with the design principles set out within MfS and with the requirements of the local highway authority as

contained in the West Sussex County Council document: Local Design Guide Supplementary Guidance for Residential Development Proposals and comprises a network of shared surface streets.

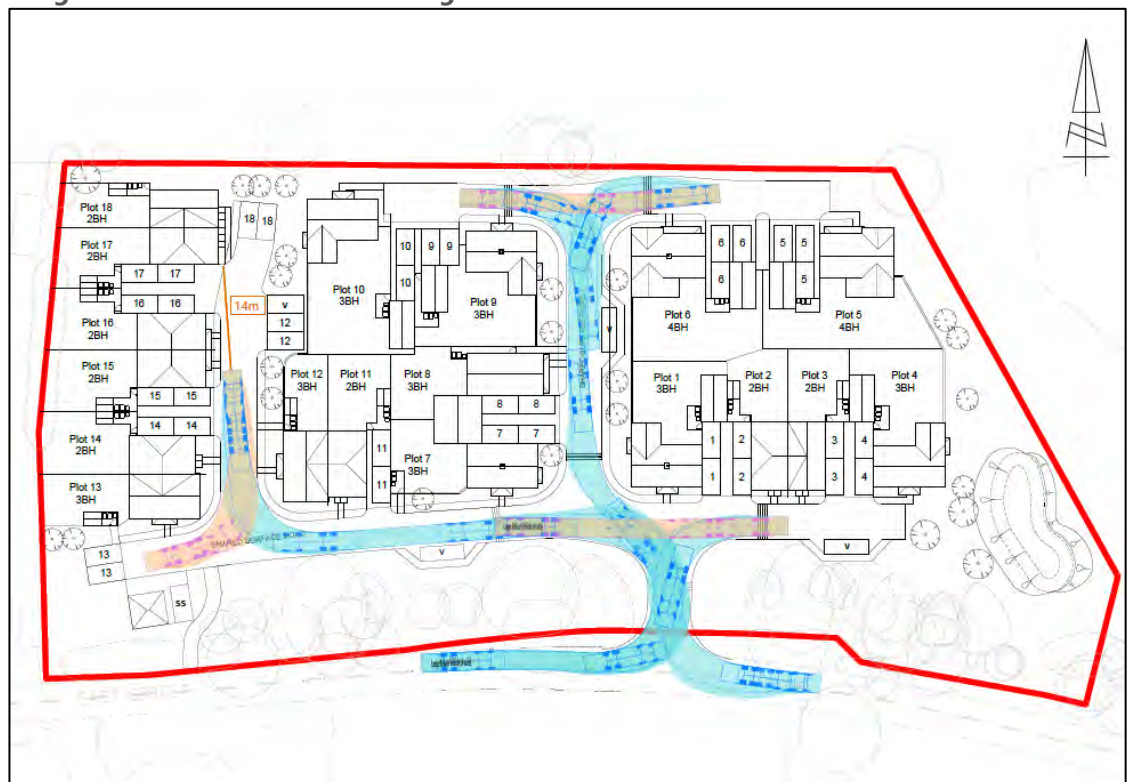
- 5.4.2 Carriageway widths have been kept to a practicable minimum to encourage slow vehicle speeds, (i.e. they will generally be a minimum of 4.8m wide) such that pedestrians and cyclists will have the same priority within the street as vehicles and to provide a safe environment. It also ensures the need to accommodate vehicular movements (particularly refuse vehicles) does not to dominate the layout. A 1.0m wide margin will generally be provided on both sides of the shared surface streets to accommodate street lighting if required and to allow for wing mirror clearance.

5.5 Servicing Arrangements

Refuse Vehicle

- 5.5.1 A refuse collection vehicle can enter all parts of the site, turn within, and exit in forward gear. This is illustrated in Drawing **ITB200340-GA-003**, an extract of which is provided in **Image 5.3**.

Image 5.3: Refuse Collection Arrangements



Source: Extract of Drawing ITB200340-GA-003

- 5.5.2 The distance that residents will need to take their bins for collection will not exceed 30m (excluding vertical distance) and the distance that refuse collectors will have to walk to collect bins for emptying will be within a 25m threshold. The proposed layout is therefore in accordance with the guidance set out in Manual for Streets.

Fire Tender Access

- 5.5.3 i-Transport drawing no. **ITB200340-GA-004** demonstrates vehicle access within the site is achievable for a pump appliance to get within 45m of each dwelling house and the vehicle will not be required to reverse more than 20m.

Sub-Station

- 5.5.4 i-Transport drawing no. **ITB200340-GA-009** demonstrates vehicle access to the proposed sub-station on the site achievable for a medium sized panel to reverse into the proposed parking space and exit the compound in forward gear.

5.6 Parking

Car Parking

- 5.6.1 The development will provide a total of 42 parking spaces, including 4 visitor spaces. Parking for the proposed development will take the form of a combination of driveway parking and garages. A total of two spaces will be provided for each 2-bed dwelling; two spaces will be provided for the semi-detached 3-bedroom dwellings; and two driveway spaces plus a garage will be provided for each detached 3-bedroom dwelling. A total of three spaces plus a garage will be provided for each 4-bedroom dwelling.
- 5.6.2 A total of 4 visitor spaces for 18 homes represents over 20% provision and will be sufficient to accommodate the expected parking demands from visitors across the site.
- 5.6.3 i-Transport drawing no. **ITB200340-GA-005** shows a large car can safely manoeuvre into and out of selected car parking spaces across the site.

Cycle Parking

- 5.6.4 For the properties that will have a garage, cycle parking for the proposed houses will be accommodated in garages.
- 5.6.5 For the proposed properties that will not have a garage, a suitably sized stores will be provided in rear gardens to accommodate the provision of a minimum of two cycle parking space per dwelling in accordance with the cycle parking standards set out in West Sussex County Council Guidance on Parking at New Developments August 2019.

- 5.6.6 Each property will have their own access way to the garden without the need for cycles to be traversed inside the property from rear to front.

SECTION 6 Traffic Impact

6.1 This section of the TS assesses the likely traffic generation and vehicular impact of the proposed development on the local highway network.

6.2 Development Traffic Generation

Trips Rates and Traffic Generation

6.2.1 The analysis has been undertaken using multi-modal trip rates derived from comparable survey data contained within the latest version of the TRICS Database (2024 V7.11.3). As the development mix will likely incorporate an element of affordable housing, the TRICS category 'Mixed Private / Affordable Housing' has been used. The following parameters have been applied in the determination of trip rates:

- Regions: Southeast
- Number of Dwellings: 5 to 50 units
- Survey Days: Tuesday and Wednesday (Neutral Weekdays)
- Location Type: Neighbourhood Centre
- Survey Date Range: 01/01/2016 – 20/09/2023
- Developments where the population within 5 miles is fewer than 50,000 people.

6.2.2 These are based on the same parameters that were used, and accepted, by WSCC on the recent Land at Millfields Farm, Rusper planning application.

6.2.3 A summary of the vehicular trip rates for the morning and evening peak hour period and resultant development traffic generation is presented in **Table 6.1**. The full TRICS outputs are provided in **Appendix E**.

Table 6.1: Trip Rates and Traffic Generation – 18 Dwellings

	Trip Rate			Traffic Generation		
	In	Out	Two-Way	In	Out	Two-Way
Morning Peak (08:00 – 09:00)	0.079	0.349	0.428	1	6	8
Evening Peak (17:00 – 18:00)	0.349	0.283	0.587	6	5	11

Source: TRICS

6.2.4 **Table 6.1** demonstrates that the proposed development is expected to generate 8 two-way movements during the weekday morning peak hour and 11 two-way movements during the weekday evening peak hour.

6.2.5 This equates to an additional vehicle a maximum of every five and a half minutes in the weekday peak hour periods. Increases in flow outside of the peak periods will be lower. These increases will not be noticeable and will not result in a material impact on the safety or operation of the highway network in accordance with the requirements of Policy 40 of the adopted Horsham District Planning Framework (excluding South Downs National Park) and Policy 24 of the emerging Horsham District Local Plan 2023-2040.

6.2.6 Furthermore, guidance set out in Paragraph 10.5.1 of the West Sussex County Council: Transport Assessment Methodology states:

“Generally, the study area will include all junctions where there is a predicted increase in total entry flows of 30 or more vehicles in any hour – or if the junction already experiences peak period congestion, an increase of 10 or more vehicles – as a result of the development proposals.”

6.2.7 The proposed development will result in significantly fewer than 30 two-way vehicle movement at any junction during the highway network peak periods. Therefore, it is not necessary to undertake any off-site junction capacity analysis.

6.2.8 Overall, the proposed development will not have a material or adverse (and certainly not ‘severe’) impact on the operation or safety of the existing local highway network.

6.2.9 Therefore, consistent with paragraph 115 of the NPPF, the proposed development will not result in what could (under any reasonable assessment) be defined as a ‘severe’ traffic impact or have unacceptable highway safety impacts.

6.3 Cumulative Impact

6.3.1 It is recognised there are a number of recently permitted residential developments along East Street in the vicinity of the proposed development, as follows:

- 43 dwellings at Millfields Farms (planning application reference DC/24/0699);
- 6 no. dwellings on land south of East Street (planning application reference DC/21/2172);
- 2 no. dwellings on land to the rear of Longfield House (planning application reference DC/14/0413); and

- 2 no. dwellings on the former Longfield House (planning application reference DC/24/1300).

6.3.2 The forecast traffic generated from the consented development has been established from the agreed analysis in the supporting highways and transport work which was submitted as part of the planning application for each site and has previously been agreed with WSCC. For robustness, it has been assumed that each of the dwellings at the former Longfield House and on land to the rear of Longfield House will generate one movement in the weekday peak hour periods.

6.3.3 An assessment of the impact of the net increase in traffic generation on the operation of the East Street as a result of the cumulative development along the corridor, in conjunction with the proposed development, has been undertaken using the observed traffic flow data and is summarised in **Tables 6.2 and 6.3**.

Table 6.2: Net Traffic Impact on East Street – Weekday AM Peak Hour

	Base	Proposed Dev	Consented Development				Total Traffic Flow	Impact of Cumulative Dev
			Millfields	Land South of East Street	Rear of Longfield House	Former Longfield House		
East Street – Two-Way	276	+8	+21	+3	+2	+2	312	13.0%

Source: Traffic Survey Data / Consultant's Calculations

Table 6.3: Net Traffic Impact on East Street – Weekday PM Peak Hour

	Base	Proposed Dev	Consented Development				Total Traffic Flow	Impact of Cumulative Dev
			Millfields	Land South of East Street	Rear of Longfield House	Former Longfield House		
East Street – Two-Way	467	+11	+20	+3	+2	+2	505	8.1%

Source: Traffic Survey Data / Consultant's Calculations

6.3.4 The net increase in traffic flow along East Street as a result of the cumulative development in the area will comprise a maximum of 13% of the existing two-way traffic flow on the route during the weekday peak hour periods. This modest level of increase will not result in a material or adverse impact on the safety or operation and will generally fall within the daily fluctuations in traffic flow along the corridor.

6.3.5 Furthermore, a maximum traffic flow of 505 two-way vehicle in a peak hour (equating to approximately one vehicle movement every 12 seconds in the peak direction assuming a 60/40 split) is within the theoretical link flow and environmental capacity of East Street and the corridor is able to safely accommodate this level of traffic when allowing for all the recently permitted development to be built out.

SECTION 7 Summary and Conclusions

- 7.1 Devine Homes has appointed i-Transport to provide highways and transport advice in relation to a full planning application for the development of 18 new homes on land north of East Street, Rusper. The site is located to the east of Rusper village and approximately 8km north of Horsham town centre and 8.6km west of Crawley town centre
- 7.2 The site has a draft allocation for 20 homes under Strategic Policy HA15 / RS2 of the Horsham District Local Plan 2023-2040 Regulation 19.
- 7.3 Rusper is identified as a 'Smaller Village' within both the adopted Horsham District Planning Framework (excluding South Downs National Park) and Horsham District Local Plan 2023-2040 Regulation 19 document which is defined as a village with limited services, facilities, social networks but with good accessibility to larger settlements. All of the services and facilities located within Rusper, including primary school education and a number of facilities to satisfy everyday shopping and personal business needs appropriate for a village location, are within a 'comfortable' 800m walking distance of the centre of the site. These will be accessible via the existing network of footways located to the west of the site and the proposed development will bring forward a new footway on the southern side of East Street with associated additional uncontrolled pedestrian crossings, to ensure there is a continuous link on-foot between the site and the centre of Rusper.
- 7.4 Vehicular access to the site is proposed via a simple priority junction onto East Street along the eastern boundary of the development. The proposed site access arrangements provide safe and acceptable visibility from the site onto East Street in both the horizontal and vertical plane appropriate for the observed vehicle speeds in accordance with current design guidance.
- 7.5 A separate pedestrian access will be provided in the south-west corner of the site. There is the opportunity to provide a kerb build out on the northern side of East Street opposite the proposed separate pedestrian access with an associated priority working which may offer wider benefit in terms of reducing vehicle speeds in the village. The applicant would like to discuss with WSCC delivering this kerb build out as part of the access works.
- 7.6 An independent Stage One Road Safety Audit has been undertaken of the proposed access arrangements submitted as part of this application address the comments made and as such there are no residual road safety concerns. The safety audit also did not raise any highway safety issues with the minimal increase in turning movements in the vicinity of the consented accessed on the southern side of East Street and are satisfied the access proposals will operate safely.

- 7.7 Car and cycle Parking will be provided in accordance with WSCC parking standards and swept path analysis has been undertaken to ensure refuse vehicles, fire tenders, and vehicles accessing the sub-station can access, and manoeuvre around the site.
- 7.8 The proposed development is expected to generate 8 two-way movements during the weekday morning peak hour and 11 two-way movements during the weekday evening peak hour. These increases will not be noticeable and will not result in a material impact on the safety or operation of the highway network and therefore the development will not result in a 'severe' impact on the highway network.
- 7.9 Furthermore, the net increase in traffic flow along East Street as a result of the cumulative development in the area will comprise a maximum of 13% of the existing two-way traffic flow on the route during the weekday peak hour periods. This modest level of increase will generally fall within the daily fluctuations in traffic flow along the corridor and East Street remain within its theoretical link flow and environmental capacity.
- 7.10 On this basis, it is concluded that:
- There are appropriate opportunities for future residents and visitors to the site to travel by sustainable travel modes, appropriate for a village location;
 - Safe and suitable vehicular and pedestrian access to the site is provided;
 - Sufficient parking provision to accommodate the expected level of parking demand is provided with high quality and secure cycle parking proposed; and
 - The proposed development will not have a material impact on the operation of the local highway network and fall considerably short of the "severe" test set by NPPF.
- 7.11 Overall, it has been demonstrated the proposal complies with relevant transport policies in the NPPF and in the adopted Horsham District Planning Framework (excluding South Downs National Park) and the emerging Horsham District Local Plan 2023-2040 and has been shown to be acceptable in transport and highway terms.

FIGURES



Figure 1

ITB200340

Key

Site Boundary

Data Attribution

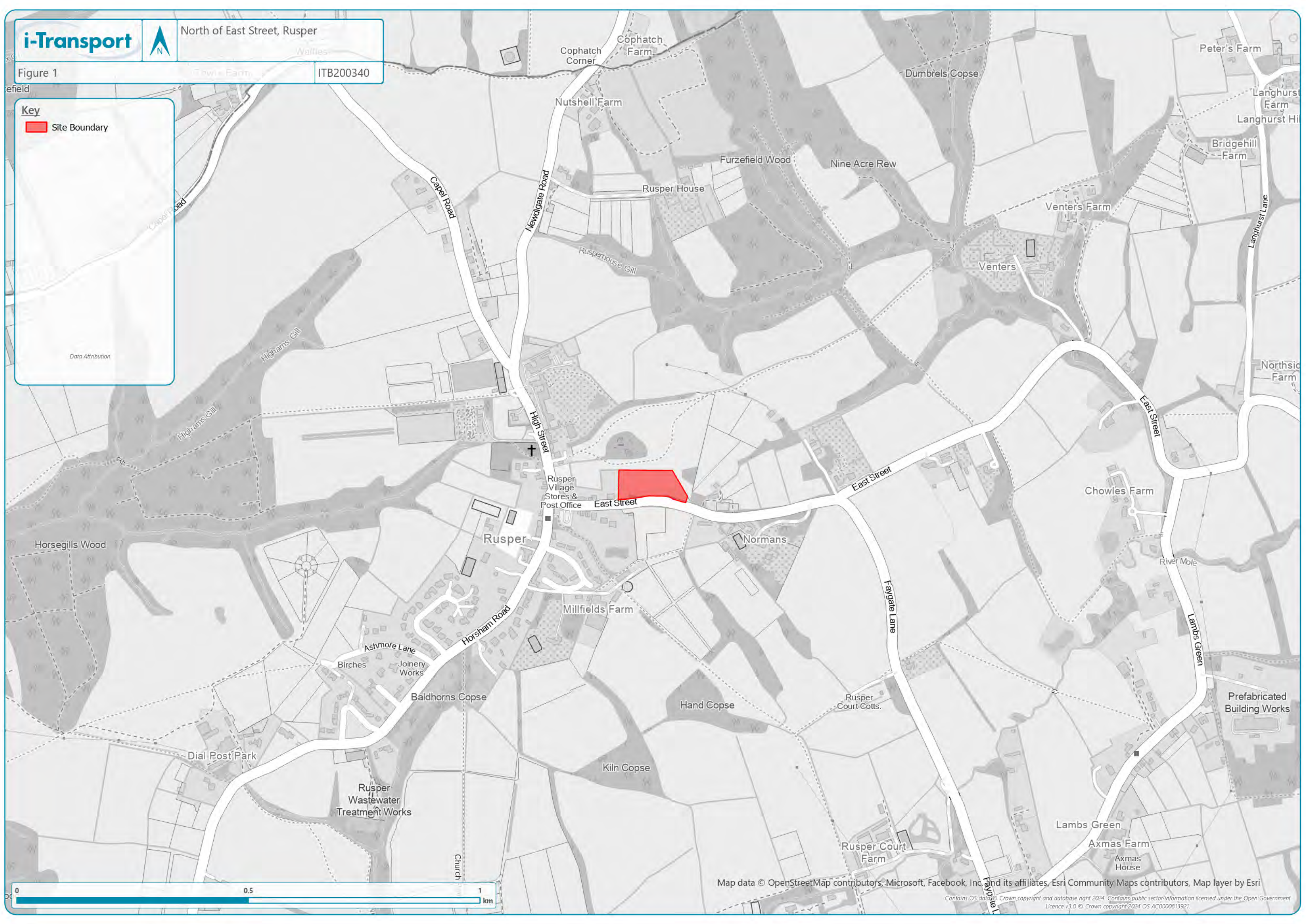




Figure 2

ITB200340

Key

Site Boundary

'The Star' Bus Stop

No 52 Bus Route

No 639 School Service

Horsham Railway Station

Faygate Railway Station

Employment

Dial Post Park & Court

Retail

Rusper Village Stores and Post Office

Leisure

Rusper Sports Club

Rusper Village Hall

St Mary Madgalene Church

The Plough & Attic Rooms

The Star Inn

Education

Rusper Primary School

Millais Secondary School

The Forest Secondary School

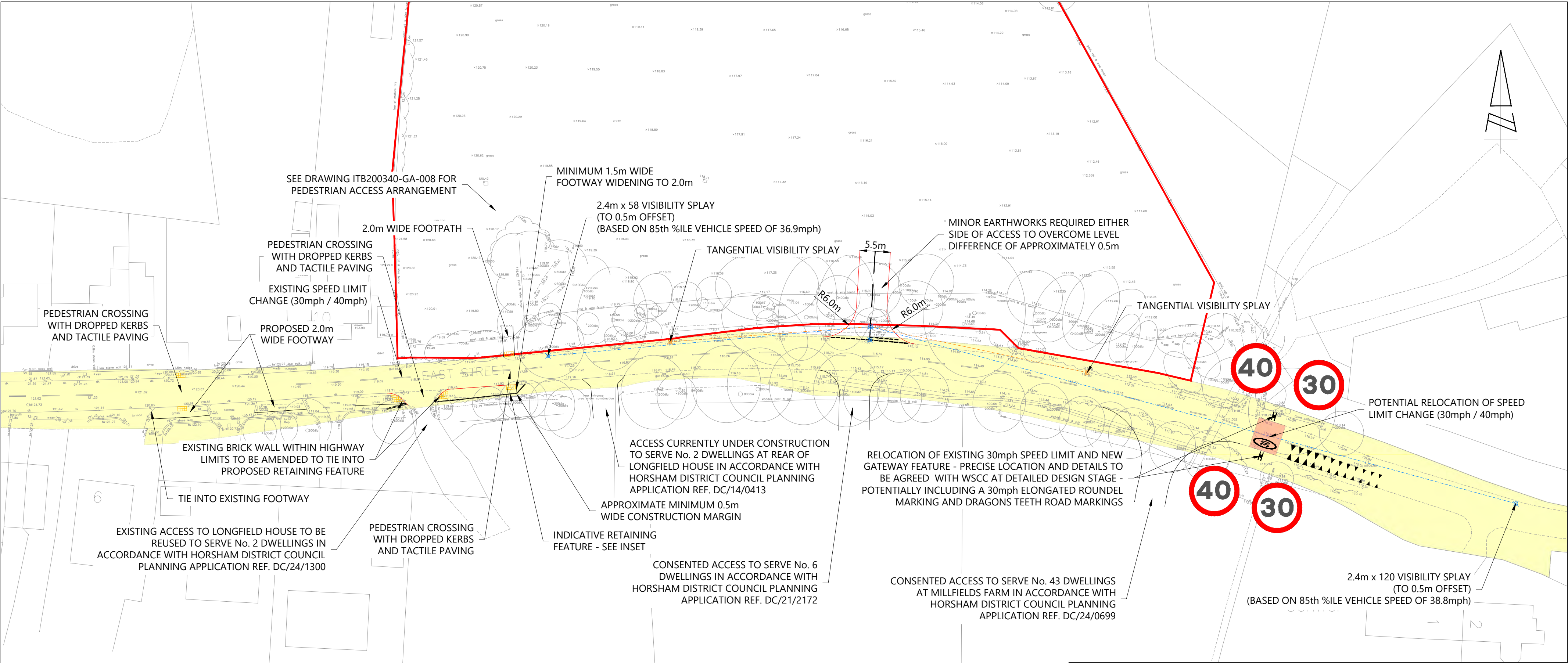
Colyers College

See Inset

Inset

Map data © OpenStreetMap contributors, Microsoft, Facebook, Inc. and its affiliates, Esri Community Maps contributors, Map layer by Esri

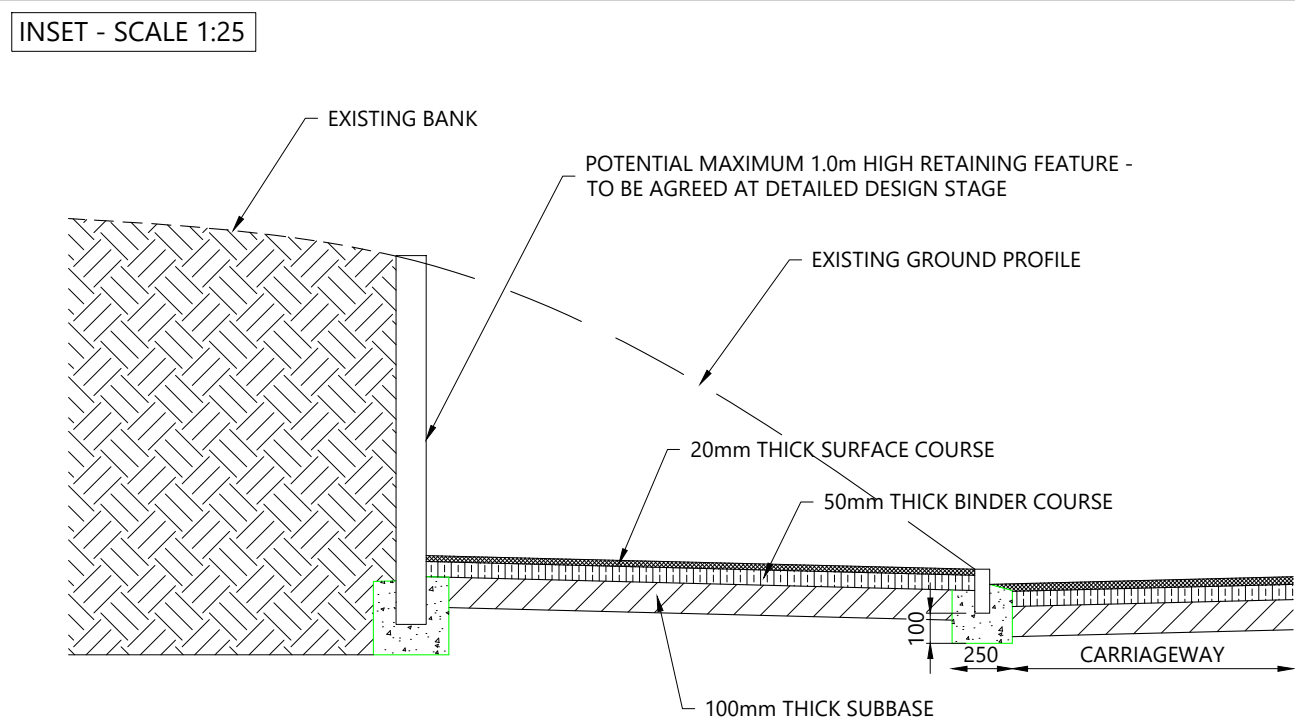
DRAWINGS



KEY:

- SITE BOUNDARY
- HIGHWAY BOUNDARY

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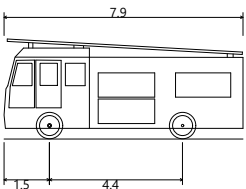
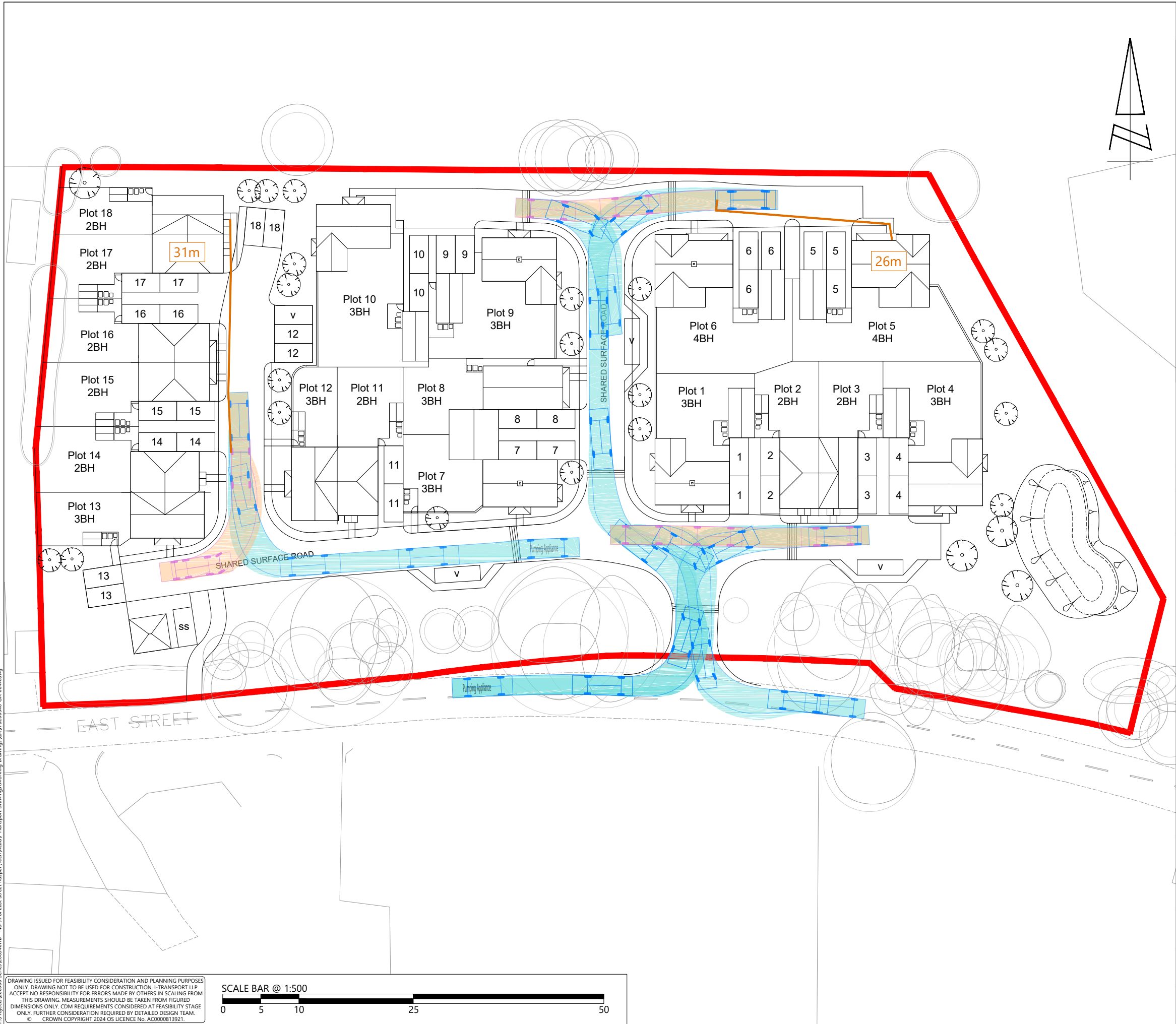
INDICATIVE FOOTWAY ROUTE STANDARD DETAIL



The Square, Basing View,
Basingstoke, Hampshire, RG21 4EB
Tel: 01256 898366
www.i-transport.co.uk

REV	DATE	BY	DESCRIPTION	CHK	APP
C	20.02.25	JD	ACCESS ARRANGEMENT UPDATED	BT	BT
B	21.01.25	JD	ACCESS ARRANGEMENT UPDATED	BT	BT
A	20.12.24	JD	ACCESS ARRANGEMENT UPDATED	BT	BT
STATUS: FOR INFORMATION					

TITLE: POTENTIAL SITE ACCESS ARRANGEMENT		DRAWN: JD	CHECKED: BT	APPROVED: BT
PROJECT: NORTH OF EAST STREET, RUSPER		PROJECT No: ITB200340	SCALE @ A2: 1:500 / 1:25	DATE: 01.10.24
CLIENT: DEVINE HOMES		DRAWING No: ITB200340-GA-002	REV: C	



Pumping Appliance	7.900m
Overall Length	2.500m
Overall Width	3.300m
Overall Body Height	0.350m
Min Body Ground Clearance	2.500m
Track Width	4.00s
Lock to lock time	7.750m
Kerb to Kerb Turning Radius	

A	13.02.25	JD	SITE LAYOUT UPDATED	BT	BT
REV	DATE	BY	DESCRIPTION	CHK	APD

STATUS: FOR INFORMATION



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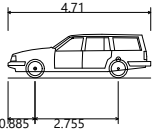
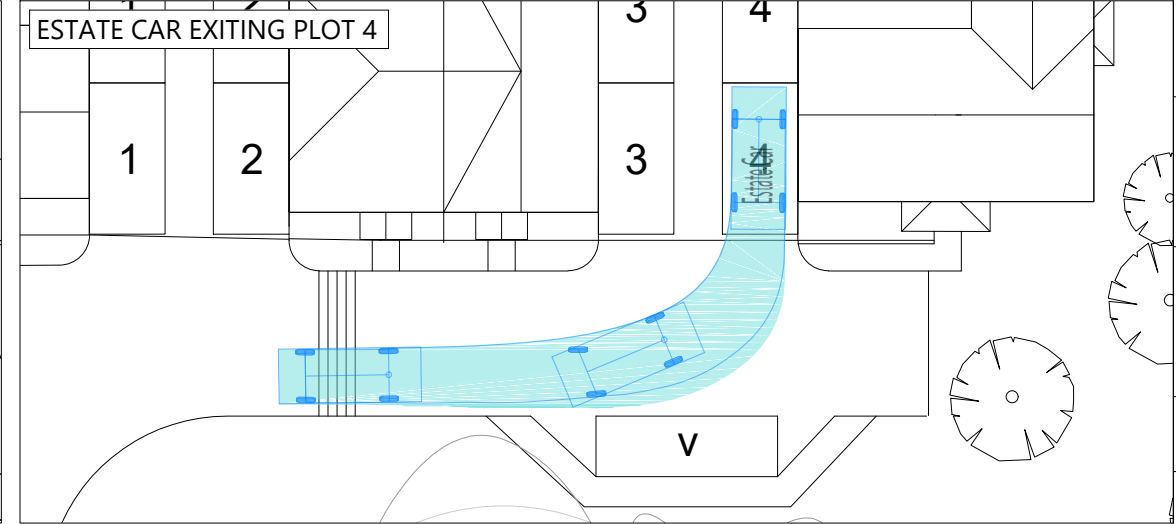
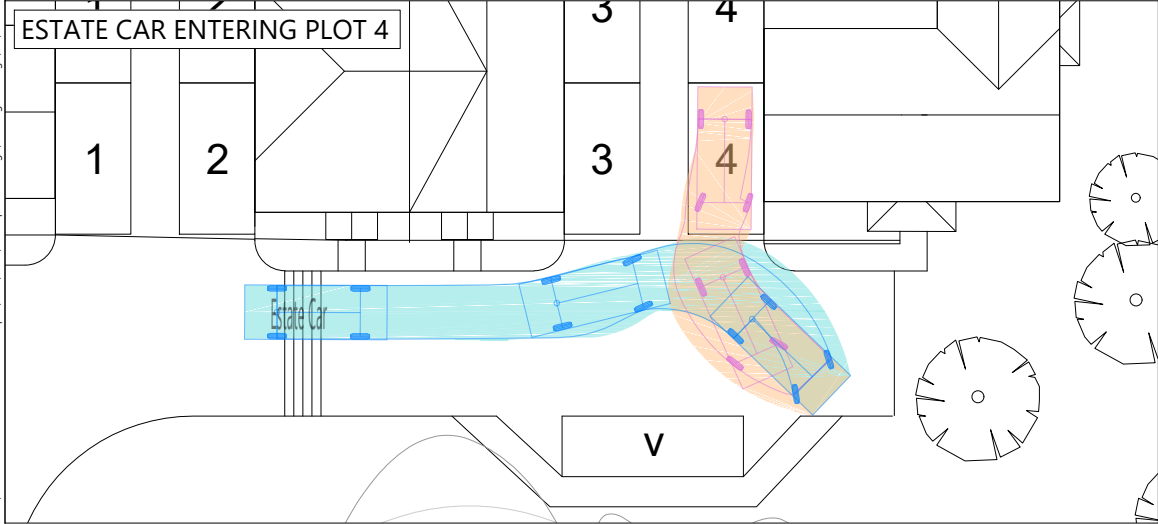
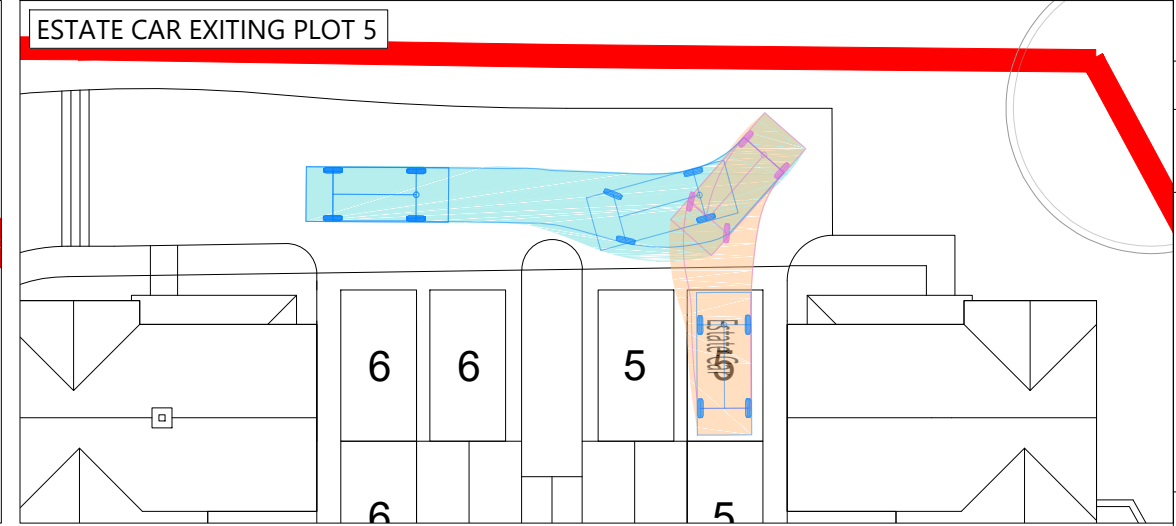
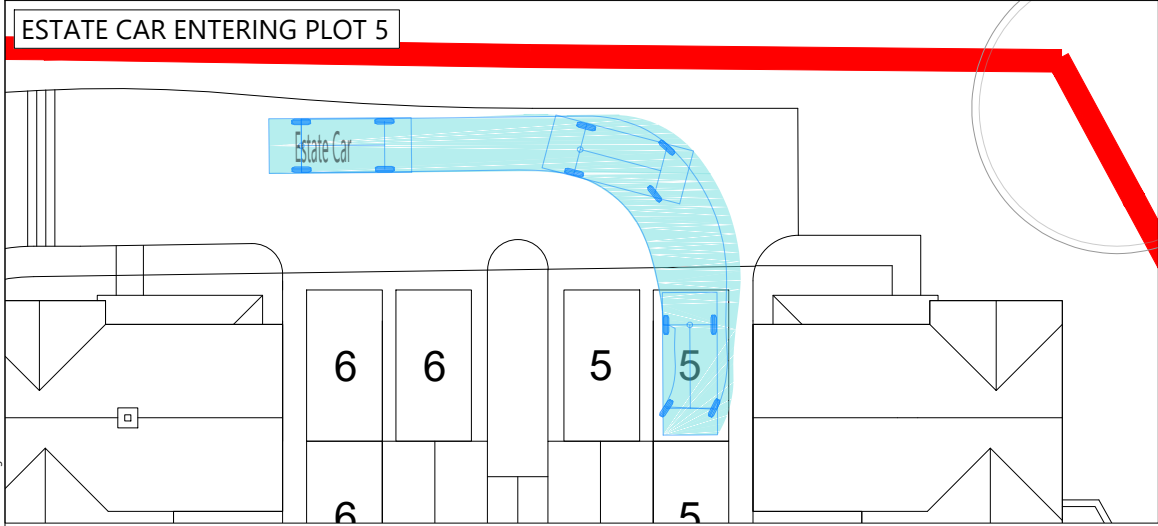
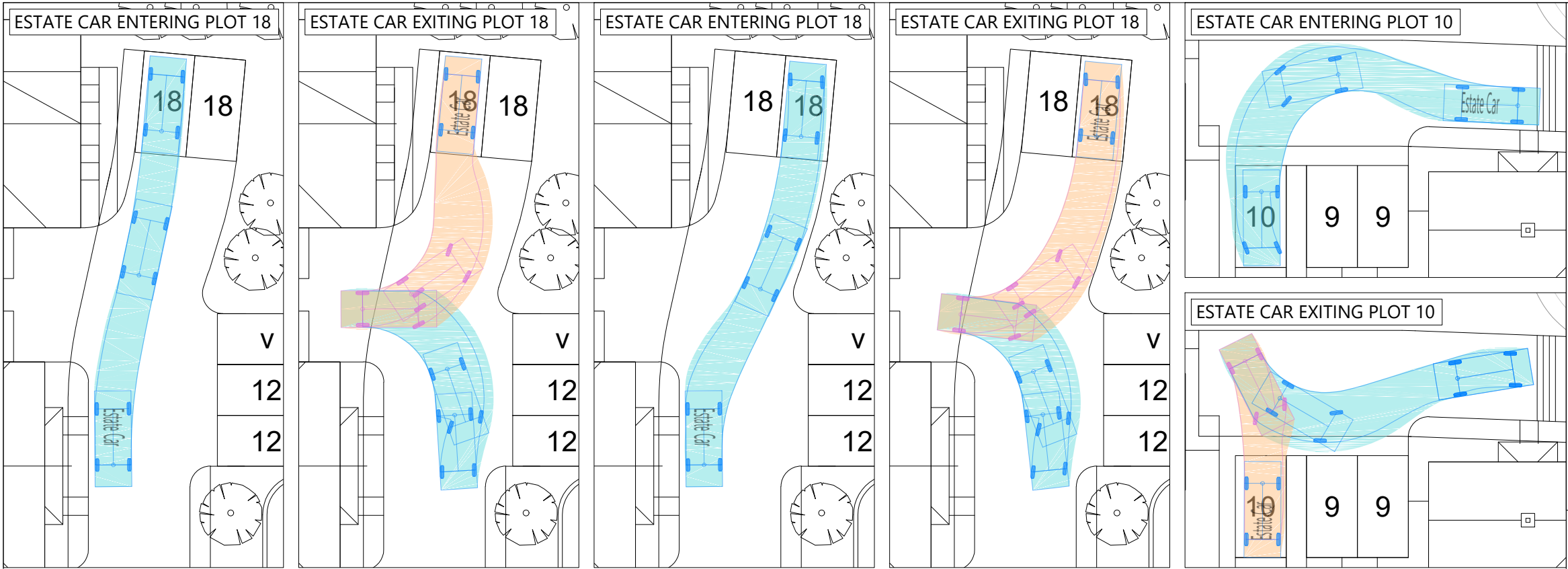
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PROJECT: NORTH OF EAST STREET, RUSPER

CLIENT: DEVINE HOMES

DRAWN: JD	CHECKED: BT	APPROVED: BT
PROJECT No: ITB200340	SCALE @ A3: 1:500	DATE: 13.11.24

DRAWING No: ITB200340-GA-004	REV: A
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Estate Car
Overall Length 4.710m
Overall Width 1.804m
Overall Body Height 1.442m
Min Body Ground Clearance 0.207m
Max Track Width 1.756m
Lock to lock time 4.00s
Kerb to Kerb Turning Radius 5.950m

A	13.02.25	JD	SITE LAYOUT UPDATED	BT	BT
REV	DATE	BY	DESCRIPTION	CHK	APD

STATUS: FOR INFORMATION



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Tel: 01256 898366
www.i-transport.co.uk

TITLE:

SWEPT PATH ANALYSIS - ESTATE CAR

PROJECT:

NORTH OF EAST STREET, RUSPER

CLIENT:

DEVINE HOMES

DRAWN:	CHECKED:	APPROVED:
JD	BT	BT
PROJECT No:	SCALE @ A3:	DATE:
ITB200340	1:250	14.11.24

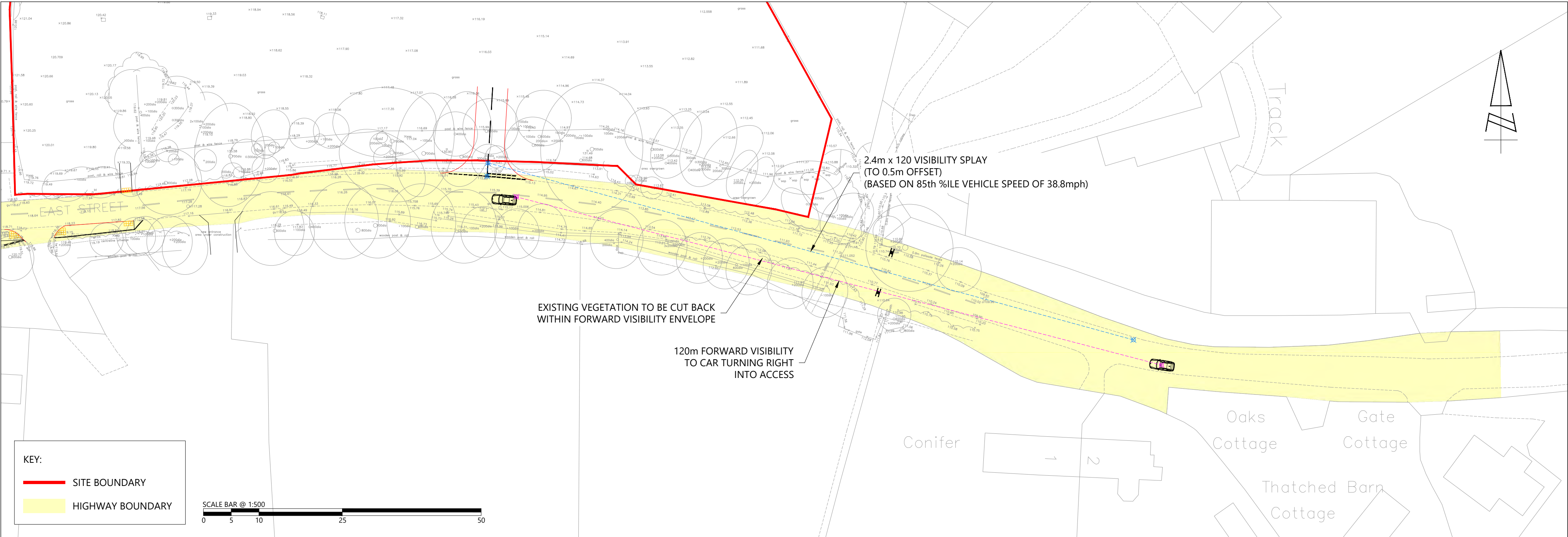
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ITB200340-GA-005	A

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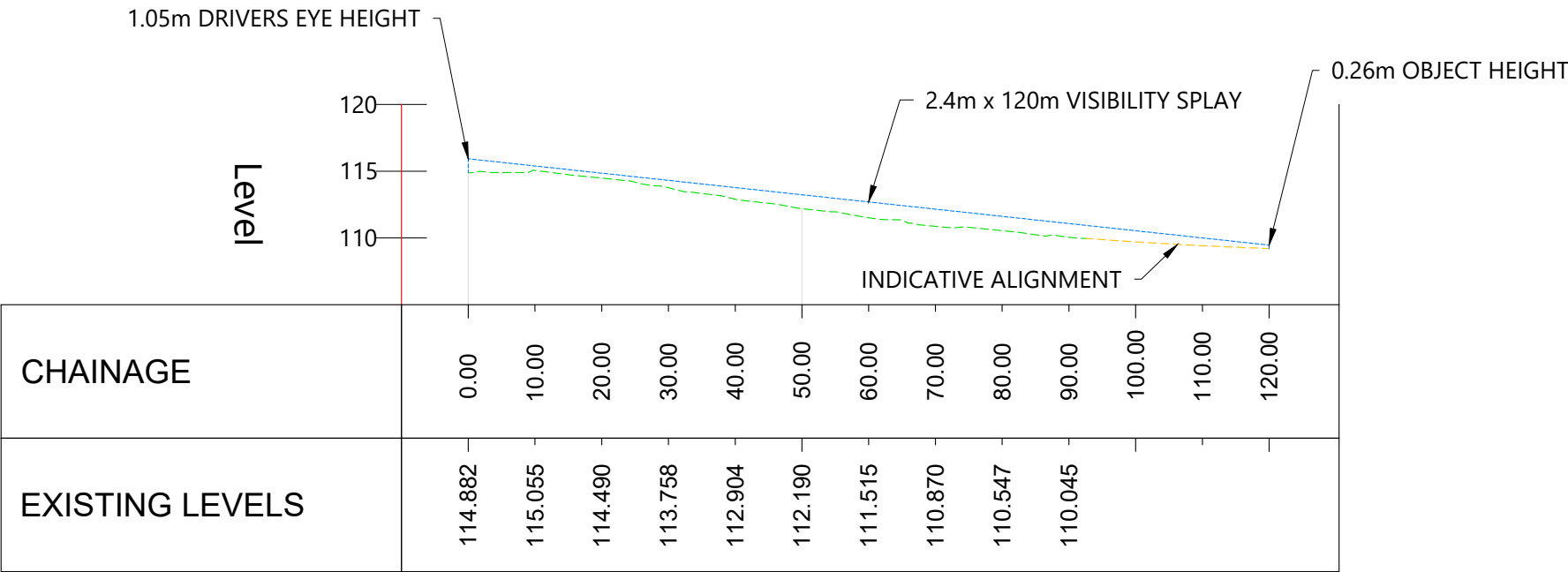
SCALE BAR @ 1:250



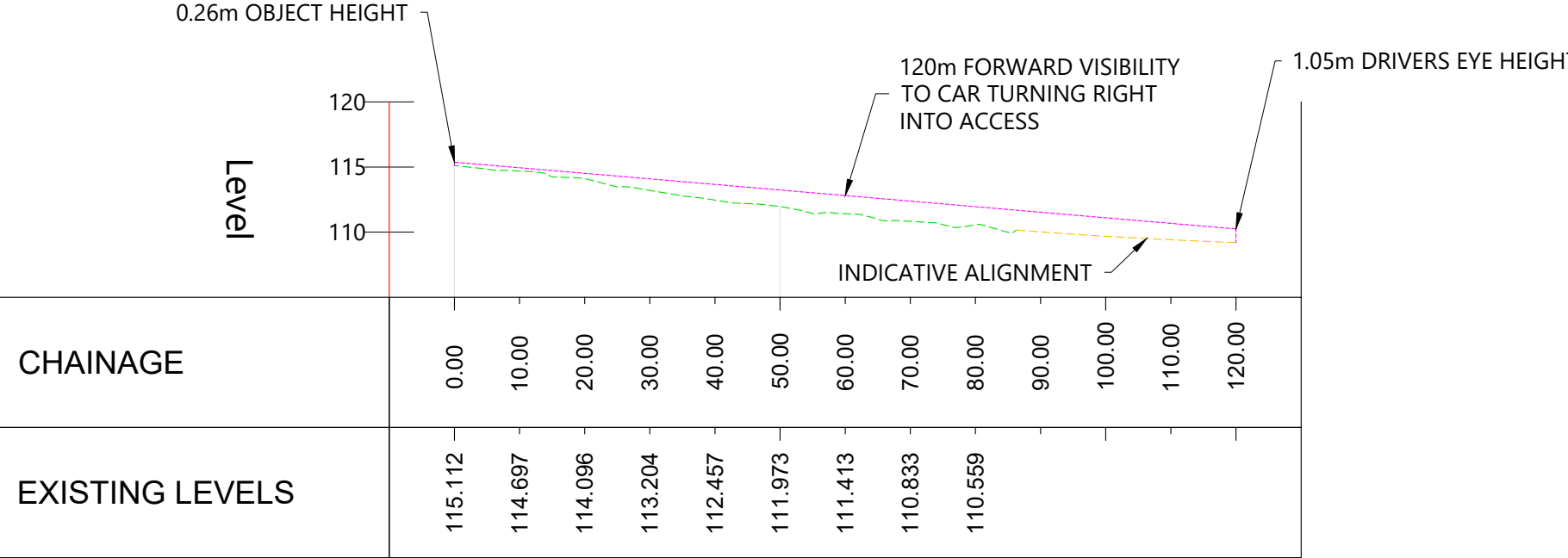
T:\Projects\200000 Series\200340ITB - North of East Street Rusper\Tech\Drawings\Working Drawings\GA\ITB200340-GA-005A.dwg



JUNCTION VISIBILITY - LONGSECTION
SCALE: H 1:1000,V 1:500. DATUM: 105.000



FORWARD VISIBILITY - LONGSECTION
SCALE: H 1:1000,V 1:500. DATUM: 105.000



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The Square, Basingstoke, Hampshire, RG21 4EB
Tel: 01256 898366
www.i-transport.co.uk

B	21.01.25	JD	ACCESS ARRANGEMENT UPDATED	BT	BT
A	20.12.24	JD	ACCESS ARRANGEMENT UPDATED	BT	BT
REV	DATE	BY	DESCRIPTION	CHK	APD
STATUS:			FOR INFORMATION		

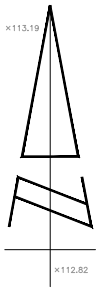
TITLE:		VISIBILITY SPLAY AND FORWARD VISIBILITY - LONGSECTIONS	
PROJECT:		NORTH OF EAST STREET, RUSPER	

CLIENT:		DEVINE HOMES	
---------	--	--------------	--

DRAWN: JD	CHECKED: BT	APPROVED: BT
PROJECT No: ITB200340	SCALE @ A2: 1:500	DATE: 19.12.24
DRAWING No: ITB200340-GA-006		REV: B

NOTE:

INFORMATION TAKEN FROM LAND OWNERSHIP TITLE PLAN "WSX238756" AND SUPERIMPOSED ONTO TOPOGRAPHICAL SURVEY BASE. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH TITLE PLAN "WSX238756".



EXISTING VEGETATION TO BE CUT BACK WITHIN VISIBILITY ENVELOPE TO ENSURE UNOBSTRUCTED VISIBILITY FROM PEDESTRIAN EYE HEIGHT ON 0.9m TO OBJECT HEIGHT OF 0.6m

1.5m x 59m PEDESTRIAN VISIBILITY SPLAY

SEE DRAWING ITB200340-GA-002 FOR VEHICULAR ACCESS ARRANGEMENT

1.5m x 43m PEDESTRIAN VISIBILITY SPLAY

1.5m x 43m PEDESTRIAN VISIBILITY SPLAY

1.5m x 59m PEDESTRIAN VISIBILITY SPLAY (TO 1.0m OFFSET)

EXISTING VEGETATION TO BE CUT BACK AS PART OF WORKS ASSOCIATED WITH ACCESS TO SERVE No. 2 DWELLINGS IN ACCORDANCE WITH HORSHAM DISTRICT COUNCIL PLANNING APPLICATION REF. DC/24/1300 (CURRENTLY UNDER CONSTRUCTION)

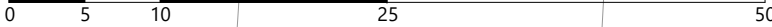
PROPOSED RETAINING WALL TO HAVE MAXIMUM HEIGHT 0.9m ADJACENT TO UNCONTROLLED CROSSING TO ALLOW FOR APPROPRIATE VISIBILITY TO THE RIGHT FROM PEDESTRIAN EYE HEIGHT OF 0.9m. PRECISE DETAILS TO BE AGREED WITH LOCAL HIGHWAY AUTHORITY AT DETAILED DESIGN STAGE

KEY:

- SITE BOUNDARY
- TITLE WSX238756
- EXTENT OF HIGHWAY

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SCALE BAR @ 1:500



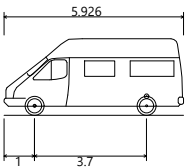
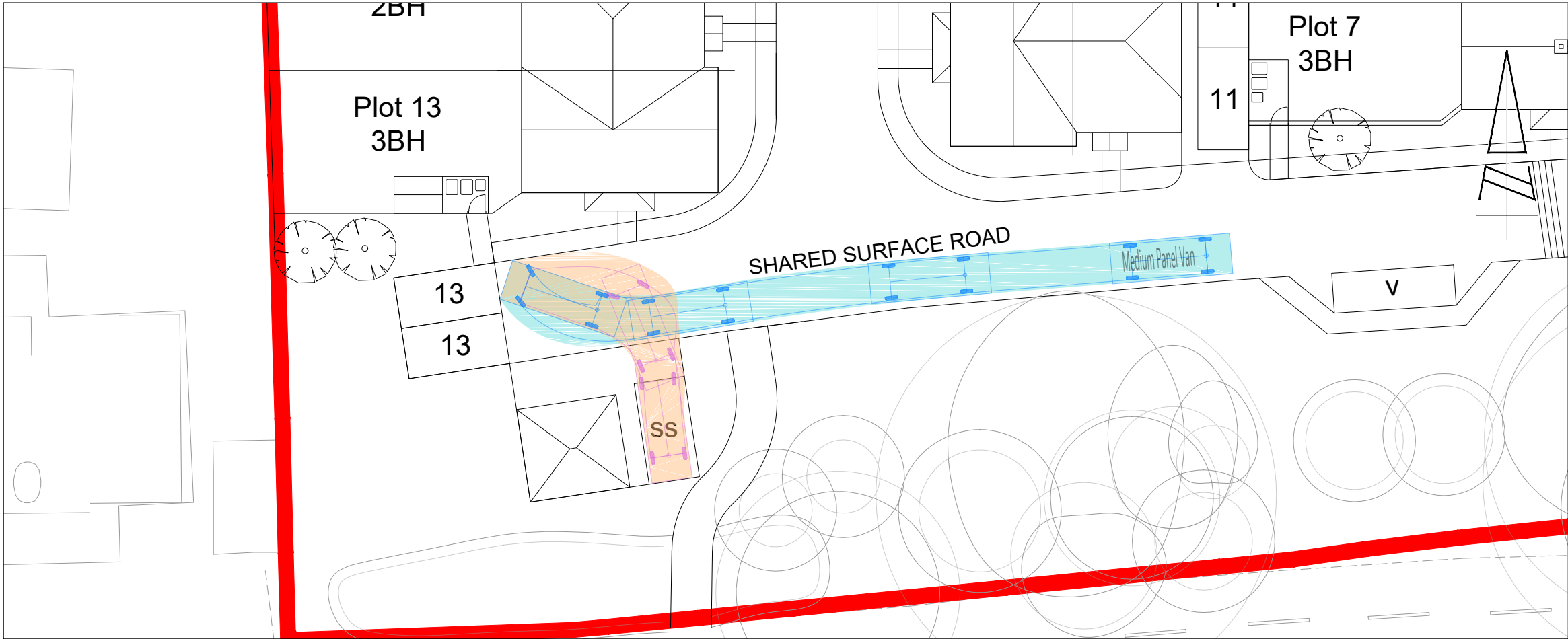
The Square, Basing View,
Basingstoke, Hampshire, RG21 4EB

Tel: 01256 898366

www.i-transport.co.uk

REV	DATE	BY	DESCRIPTION	CHK	APD
A	20.01.25	JD	KEY UPDATED / ANNOTATIONS UPDATED	BT	BT
STATUS: FOR INFORMATION					

TITLE: PROPOSED PEDESTRIAN ACCESS		DRAWN: JD	CHECKED: BT	APPROVED: BT
PROJECT: NORTH OF EAST STREET, RUSPER		PROJECT No: ITB200340	SCALE @ A3: 1:500	DATE: 10.01.25
CLIENT: DEVINE HOMES		DRAWING No: ITB200340-GA-008	REV: A	



Medium Panel Van	
Overall Length	5.926m
Overall Width	1.993m
Overall Body Height	2.526m
Min Body Ground Clearance	0.299m
Track Width	1.765m
Lock to lock time	4.00s
Kerb to Kerb Turning Radius	6.000m

REV	DATE	BY	DESCRIPTION	CHK	APD
-----	------	----	-------------	-----	-----

STATUS:		FOR INFORMATION			
---------	--	-----------------	--	--	--



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Basingstoke, Hampshire, RG21 4EB
Tel: 01256 898366
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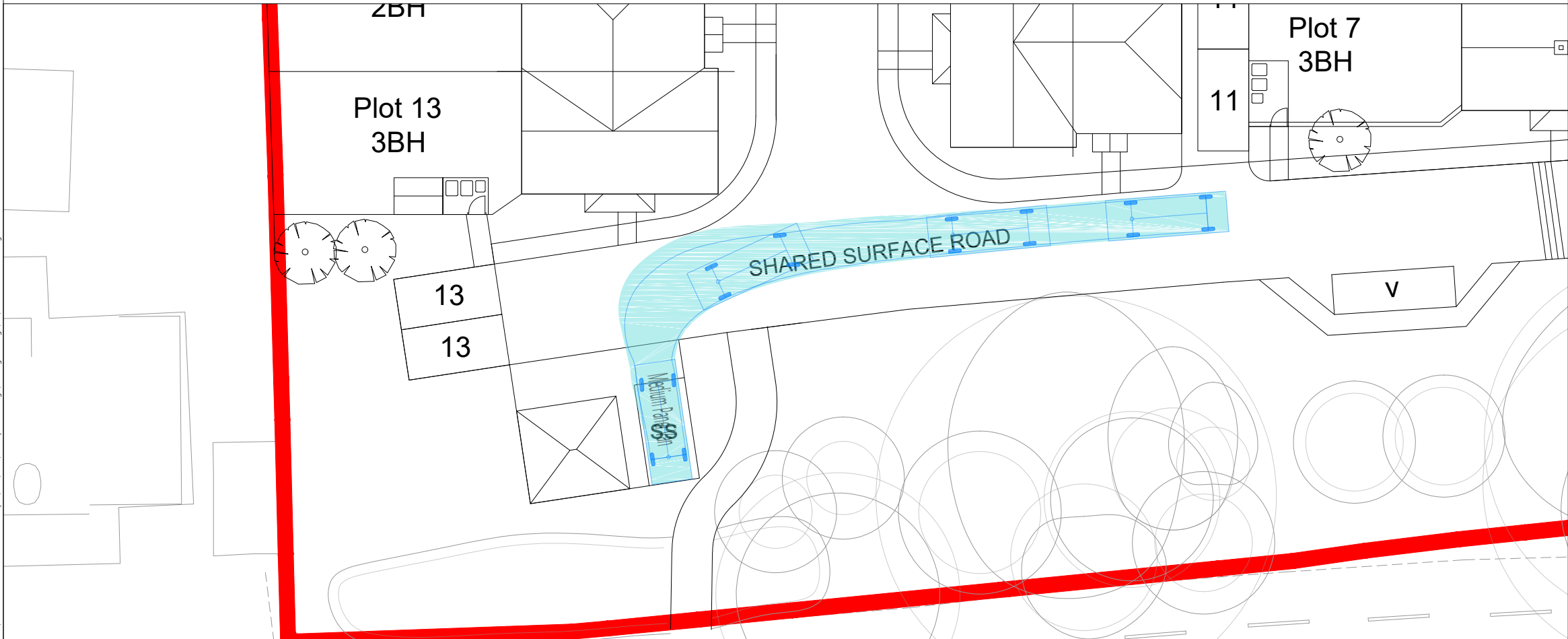
TITLE:	SWEPT PATH ANALYSIS - PROPOSED SUB-STATION - MEDIUM PANEL VAN
--------	--

PROJECT:	NORTH OF EAST STREET, RUSPER
----------	------------------------------

CLIENT:	DEVINE HOMES
---------	--------------

DRAWN:	JD	CHECKED:	BT	APPROVED:	BT
PROJECT No:	ITB200340	SCALE @ A3:	1:250	DATE:	18.02.25

DRAWING No:	ITB200340-GA-009	REV:	-
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APPENDIX A. PROPOSED SITE LAYOUT



Client's Name
Devine Homes

Job Title
East Street, Rusper

Drawing Title
Site Layout

Scale
1:500 @ A3

Drawn
GP

Checked
PA

Date
26.11.24

Job No
7522

Drawing No
PL-06

Rev
-

Status
PRELIMINARY

Rev Date Revision Details Dr Ch

ECE Architecture

London: 76 Great Suffolk Street
London, SE1 0BL
T 0207 928 2773 E london@ecearchitecture.com
Sussex: 64 - 68 Brighton Road, Worthing
West Sussex, BN11 2BN
T 01903 248777 E sussex@ecearchitecture.com
Bristol: Westworks, Beacon Tower
Colston Street, Bristol, BS1 4XE
T 0117 214 1101 E bristol@ecwestworks.com
www.ecearchitecture.com

APPENDIX B. ATC DATA

Job ID	Project Name	Site Location	Google Coordinates	Survey Dates	Survey Day	Survey Timings
IW0283	East Street, Rusper	East Street (West)	51.121720, -0.276217	11/08/2024 - 17/08/2024	Sunday - Saturday	0000-0000hrs on each day



[illegible]

[illegible]

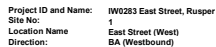
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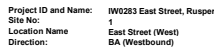
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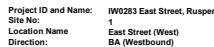
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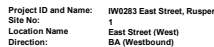


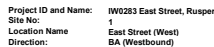
07-19	1521	1283	8	132	2	14	4	2	0	4	1	0	0	37	44	29	34	0	0	6	43	247	580	471	138	20	6	0	0	0	0	0	0	26
06-22	1677	1467	10	148	2	15	4	2	0	4	1	0	0	39	45	29.3	34.4	0	0	6	45	277	613	526	164	38	8	0	0	0	0	0	0	46
06-09	1713	1443	10	148	2	15	4	2	0	4	1	0	0	39	45	29.4	34.4	0	1	7	46	282	624	533	167	43	10	0	0	0	0	0	53	
06-00	1737	1465	10	150	2	15	4	2	0	4	1	0	0	39	45	29.5	34.6	0	1	7	46	282	629	540	174	46	10	2	0	0	0	0	56	

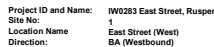
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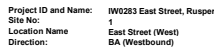
[illegible]

[illegible]

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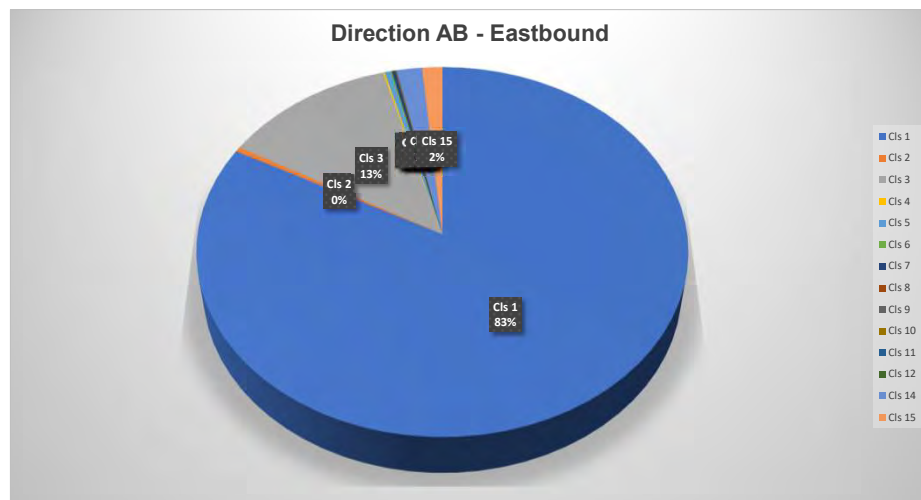


Project ID and Name: IW0283 East Street, Rusper
 Site No: 1
 Location Name: East Street (West)
 Direction: AB (Eastbound) + BA (Westbound)

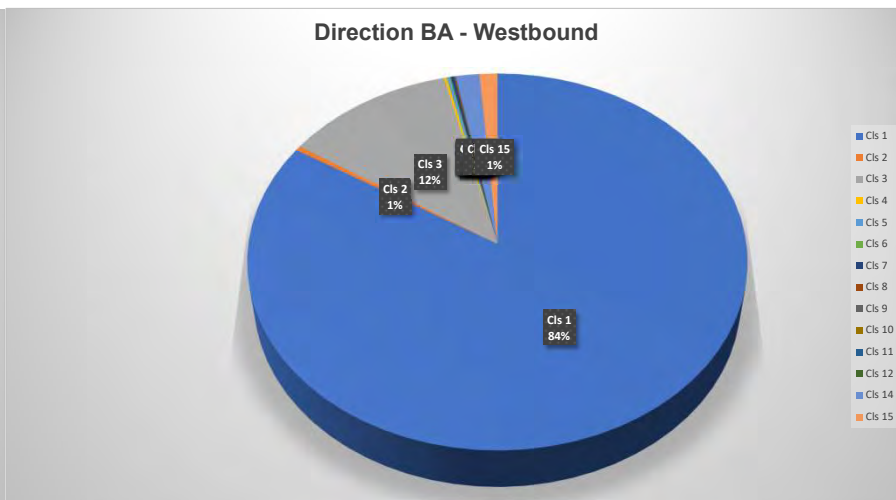
Direction	Total No. of Vehicles	No. of Vehicles exceeding PSL (40mph)	No. of Vehicles exceeding PSL %
Direction AB - Eastbound	12662	771	6%
Direction BA - Westbound	11444	329	3%

Direction - AB	Cls 1	Cls 2	Cls 3	Cls 4	Cls 5	Cls 6	Cls 7	Cls 8	Cls 9	Cls 10	Cls 11	Cls 12	Cls 14	Cls 15
Total Vehicle Proportion	10491	51	1579	16	49	15	30	6	6	3	1	0	231	184
Vehicle Proportion - %	82.9%	0.4%	12.5%	0.1%	0.4%	0.1%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%	1.5%

Direction - BA	Cls 1	Cls 2	Cls 3	Cls 4	Cls 5	Cls 6	Cls 7	Cls 8	Cls 9	Cls 10	Cls 11	Cls 12	Cls 14	Cls 15
Total Vehicle Proportion	9597	45	1370	22	24	8	27	7	5	1	2	0	191	145
Vehicle Proportion - %	83.9%	0.4%	12.0%	0.2%	0.2%	0.1%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%	1.7%	1.3%



Direction AB
 Vehicles = 12662
 Posted speed limit = 40 mph, Exceeding = 771 (6.089%), Mean Exceeding = 43.37 mph
 Maximum = 68.8 mph, Minimum = 6.3 mph, Mean = 31.0 mph
 85% Speed = 36.91 mph, 95% Speed = 40.60 mph, Median = 30.98 mph
 10 mph Pace = 26 - 36, Number in Pace = 7891 (62.32%)
 Variance = 36.09, Standard Deviation = 6.01 mph



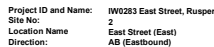
Direction BA
 Vehicles = 11444
 Posted speed limit = 40 mph, Exceeding = 329 (2.875%), Mean Exceeding = 43.07 mph
 Maximum = 67.3 mph, Minimum = 6.3 mph, Mean = 28.4 mph
 85% Speed = 34.78 mph, 95% Speed = 38.36 mph, Median = 28.97 mph
 10 mph Pace = 25 - 35, Number in Pace = 7045 (61.56%)
 Variance = 45.28, Standard Deviation = 6.73 mph

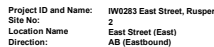
Vehicle Classification - VRX

Cls 1	SV	2 axles	Short vehicle car or light Van
Cls 2	SVT	3,4 or 5 axles	Short vehicle towing trailer, caravan, boat, etc
Cls 3	TB2	2 axles	Two-axle truck or bus
Cls 4	TB3	3 axles	Three-axle truck or bus
Cls 5	T4	> 4 axles	Four-axle truck
Cls 6	ART3	3 axles	Three-axle articulated or rigid vehicle and trailer
Cls 7	ART4	4 axles	Four-axle articulated or rigid vehicle and trailer
Cls 8	ART5	5 axles	Five-axle articulated or rigid vehicle and trailer
Cls 9	RT6	>6 axles	Six or more axle articulated or rigid vehicle and trailer
Cls 10	BD	>6 axles	Double or heavy truck and trailer
Cls 11	DRT	>6 axles	Double road train or heavy truck and two trailers
Cls 12	TRT	>6 axles	Triple road train or heavy truck and three or more trailers
Cls 14	M/C	2 axles	Motorcycles
Cls 15	Cycle	2 axles	Bicycles

Job ID	Project Name	Site Location	Google Coordinates	Survey Dates	Survey Day	Survey Timings
IW0283	East Street, Rusper	East Street (East)	51.121617, -0.274613	11/08/2024 - 17/08/2024	Sunday - Saturday	0000-0000hrs on each day



[illegible]

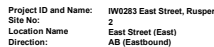
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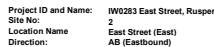


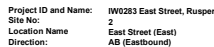
Project ID and Name: IW0283 East Street, Rusper
Site No: 2
Location Name: East Street (East)
Direction: AB (Eastbound)

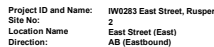
13 August 2024

Time	Total	Cts	Cts	Cts	Cts	Cts	Cts	Cts	Cts	Cts	Cts	Cts	Cts	Cts	Cts	Mean	Vpp	Vbin	Vbin	Vbin	Vbin	Vbin	Vbin	Vbin	Vbin	Vbin	Vbin	Vbin	Vbin	Vbin	Vbin	Vbin	Vbin	Vbin	Vbin	Vbin	Vbin	Vbin	Vbin	Number of vehicles exceeding PSL 40
Period	1	2	3	4	5	6	7	8	9	10	11	12	14	15		85	8	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80							
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0015	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	39.1	-	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	
0030	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0045	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	44.2	-	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	
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0545	6	4	0	1	0	0	0	0	0	0	0	0	0	0	0	37.8	-	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	
0600	5	4	0	1	0	0	0	0	0	0	0	0	0	0	0	44.2	-	0	0	0	0	0	0	0	0	4	0	0	1	0	0	0	0	0	0	0	0	5	0	
0615	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	39.7	-	0	0	0	0	0	0	1	4	2	1	0	0	0	0	0	0	0	0	0	0	3	0	
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0645	11	5	0	5	0	0	0	0	0	0	0	0	1	0	0	40	44.5	0	0	0	0	0	0	1	5	4	1	0	0	0	0	0	0	0	0	0	0	5	0	
0700	14	7	0	7	0	0	0	0	0	0	0	0	0	0	0	41.8	48.8	0	0	0	0	0	1	0	4	4	4	1	0	0	0	0	0	0	0	0	0	9	0	
0715	23	16	0	4	0	0	0	0	0	0	0	0	0	0	0	37.9	41.9	0	0	0	0	0	3	9	6	1	0	0	0	0	0	0	0	0	0	0	0	0	9	
0730	34	26	0	6	0	0	0	1	0	0	0	0	0	0	0	37	43.3	0	0	0	0	0	0	12	9	1	0	0	0	0	0	0	0	0	0	0	0	10	0	
0745	32	20	0	11	1	0	0	0	0	0	0	0	0	0	0	38.4	44.7	0	0	0	0	0	1	6	14	7	3	1	0	0	0	0	0	0	0	0	0	11	0	
0800	49	37	0	11	0	0	0	0	0	0	0	0	0	0	0	37.4	41.5	0	0	0	0	0	0	15	21	13	0	0	0	0	0	0	0	0	0	0	0	13	0	
0815	42	35	1	6	0	0	0	0	0	0	0	0	0	0	0	38.6	44.3	0	0	0	0	0	0	1	9	17	12	3	0	0	0	0	0	0	0	0	0	15	0	
0830	31	26	0	5	0	0	0	0	0	0	0	0	0	0	0	38.1	42.4	0	0	0	0	0	0	1	5	15	8	2	0	0	0	0	0	0	0	0	0	10	0	
0845	29	23	0	4	0	0	0	0	0	0	0	0	0	0	0	36.3	41.4	0	0	0	0	0	0	1	8	13	6	0	0	0	0	0	0	0	0	0	0	7	0	
0900	20	14	0	6	0	0	0	0	0	0	0	0	0	0	0	36.4	42.3	0	0	0	0	0	0	0	8	3	1	0	0	0	0	0	0	0	0	0	0	4	0	
0915	20	17	0	3	0	0	0	0	0	0	0	0	0	0	0	38.2	44.6	0	0	0	0	0	0	2	7	6	2	0	0	0	0	0	0	0	0	0	0	3	0	
0930	18	12	0	6	0	0	0	0	0	0	0	0	0	0	0	37.1	41.3	0	0	0	0	0	0	5	10	2	1	0	0	0	0	0	0	0	0	0	0	3	0	
0945	19	13	0	6	0	0	0	0	0	0	0	0	0	0	0	36.9	40.5	0	0	0	0	0	0	1	4	10	4	0	0	0	0	0	0	0	0	0	4	0		
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1015	17	11	0	4	0	0	0	0	0	0	0	0	0	1	1	36.2	40.5	0	0	0	0	0	0	2	4	6	5	0	0	0	0	0	0	0	0	0	5	0		
1030	22	17	0	3	0	0	0	0	0	0	0	0	0	0	0	37.4	43.3	0	0	0	0	0	0	1	7	9	3	1	1	0	0	0	0	0	0	0	5	0		
1045	24	16	0	6	0	0	0	0	0	0	0	0	0	0	0	36.4	41.2	0	0	0	0	0	0	2	5	5	0	0	0	0	0	0	0	0	0	0	0	5	0	
1100	25	18	0	5	0	0	0	0	0	0	0	0	0	0	0	36	42.3	0	0	0	0	0	0	2	8	7	6	1	0	0	0	0	0	0	0	0	0	5	0	
1115	23	15	1	3	0	0	0	0	0	0	0	0	0	1	2	35.9	42.3	0	0	0	0	0	0	2	9	7	3	1	1	0	0	0	0	0	0	0	0	7	0	
1130	24	20	0	4	0	0	0	0	0	0	0	0	0	0	0	37.7	42.3	0	0	0	0	0	0	5	13	6	0													

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Time	Total	Ch 1	Ch 2	Ch 3	Ch 4	Ch 5	Ch 6	Ch 7	Ch 8	Ch 9	Ch 10	Ch 11	Ch 12	Ch 13	Ch 14	Ch 15	Mean	Vpp	VMin	VMax	VMin	VMax	VMin	VMax	VMin	VMax	VMin	VMax	VMin	VMax	VMin	VMax	VMin	VMax	VMin	VMax	VMin	VMax	Number of vehicles that arrived
0000	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	47.3	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2		
0005	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	47.3	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2		
0010	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20.0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		
0015	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20.0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		
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0025	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0030	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34.2	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2			
0035	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
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0115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0120	0	0	0	0																																			

15 August.

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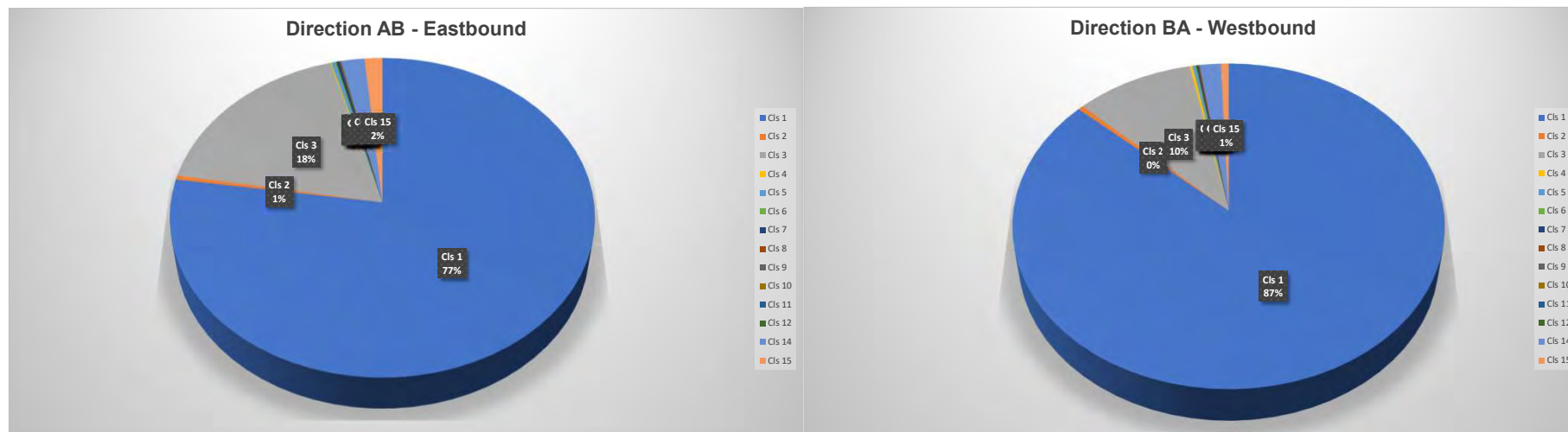


Project ID and Name: IW0283 East Street, Rusper
 Site No: 2
 Location Name: East Street (East)
 Direction: AB (Eastbound) + BA (Westbound)

Direction	Total No. of Vehicles	No. of Vehicles exceeding PSL (40mph)	No. of Vehicles exceeding PSL %
Direction AB - Eastbound	12678	4394	35%
Direction BA - Westbound	11262	1035	9%

Direction - AB	Cls 1	Cls 2	Cls 3	Cls 4	Cls 5	Cls 6	Cls 7	Cls 8	Cls 9	Cls 10	Cls 11	Cls 12	Cls 14	Cls 15
Total Vehicle Proportion	9806	53	2267	11	37	17	33	7	11	3	0	1	244	188
Vehicle Proportion - %	77.3%	0.4%	17.9%	0.1%	0.3%	0.1%	0.3%	0.1%	0.1%	0.0%	0.0%	0.0%	1.9%	1.5%

Direction - BA	Cls 1	Cls 2	Cls 3	Cls 4	Cls 5	Cls 6	Cls 7	Cls 8	Cls 9	Cls 10	Cls 11	Cls 12	Cls 14	Cls 15
Total Vehicle Proportion	9763	48	1093	25	25	10	18	9	1	3	0	0	194	73
Vehicle Proportion - %	86.7%	0.4%	9.7%	0.2%	0.2%	0.1%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%	1.7%	0.6%



Direction AB
 Vehicles = 12678
 Posted speed limit = 40 mph, Exceeding = 4394 (34.66%), Mean Exceeding = 43.91 mph
 Maximum = 69.8 mph, Minimum = 7.0 mph, Mean = 37.9 mph
 85% Speed = 43.62 mph, 95% Speed = 47.20 mph, Median = 37.92 mph
 10 mph Pace = 33 - 43, Number in Pace = 8105 (63.93%)
 Variance = 34.18, Standard Deviation = 5.85 mph

Direction BA
 Vehicles = 11262
 Posted speed limit = 40 mph, Exceeding = 1035 (9.190%), Mean Exceeding = 42.90 mph
 Maximum = 68.8 mph, Minimum = 6.7 mph, Mean = 33.7 mph
 85% Speed = 38.59 mph, 95% Speed = 41.83 mph, Median = 33.89 mph
 10 mph Pace = 29 - 39, Number in Pace = 8340 (74.05%)
 Variance = 30.32, Standard Deviation = 5.51 mph

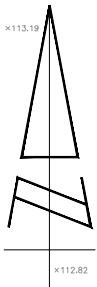
Vehicle Classification - VRX

Cls 1	SV	2 axles	Short vehicle car or light Van
Cls 2	SVT	3,4 or 5 axles	Short vehicle towing trailer, caravan, boat, etc
Cls 3	TB2	2 axles	Two-axle truck or bus
Cls 4	TB3	3 axles	Three-axle truck or bus
Cls 5	T4	> 4 axles	Four-axle truck
Cls 6	ART3	3 axles	Three-axle articulated or rigid vehicle and trailer
Cls 7	ART4	4 axles	Four-axle articulated or rigid vehicle and trailer
Cls 8	ART5	5 axles	Five-axle articulated or rigid vehicle and trailer
Cls 9	RT6	>6 axles	Six or more axle articulated or rigid vehicle and trailer
Cls 10	BD	>6 axles	Double or heavy truck and trailer
Cls 11	DRT	>6 axles	Double road train or heavy truck and two trailers
Cls 12	TRT	>6 axles	Triple road train or heavy truck and three or more trailers
Cls 14	M/C	2 axles	Motorcycles
Cls 15	Cycle	2 axles	Bicycles

APPENDIX C. POTENTIAL KERB BUILD-OUT AT SEPARATE PEDESTRIAN ACCESS

NOTE:

INFORMATION TAKEN FROM LAND OWNERSHIP TITLE PLAN "WSX238756" AND SUPERIMPOSED ONTO TOPOGRAPHICAL SURVEY BASE. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH TITLE PLAN "WSX238756".



1.5m x 43m PEDESTRIAN VISIBILITY SPLAY

1.5m x 59m PEDESTRIAN VISIBILITY SPLAY

SEE DRAWING ITB200340-GA-002 FOR VEHICULAR ACCESS ARRANGEMENT

PROPOSED PEDESTRIAN CROSSING WITH DROPPED KERBS AND TACTILE PAVING

PROPOSED 2.0m WIDE FOOTWAY

1.5m x 43m PEDESTRIAN VISIBILITY SPLAY

PROPOSED PEDESTRIAN CROSSING WITH DROPPED KERBS AND TACTILE PAVING

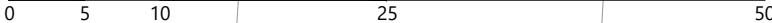
PROPOSED RETAINING WALL TO HAVE MAXIMUM HEIGHT 0.9m ADJACENT TO UNCONTROLLED CROSSING TO ALLOW FOR APPROPRIATE VISIBILITY TO THE RIGHT FROM PEDESTRIAN EYE HEIGHT OF 0.9m. PRECISE DETAILS TO BE AGREED WITH LOCAL HIGHWAY AUTHORITY AT DETAILED DESIGN STAGE

EXISTING VEGETATION TO BE CUT BACK AS PART OF WORKS ASSOCIATED WITH ACCESS TO SERVE No. 2 DWELLINGS IN ACCORDANCE WITH HORSHAM DISTRICT COUNCIL PLANNING APPLICATION REF. DC/24/1300 (CURRENTLY UNDER CONSTRUCTION)

KEY:

- SITE BOUNDARY
- TITLE WSX238756
- EXTENT OF HIGHWAY

SCALE BAR @ 1:500



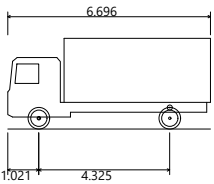
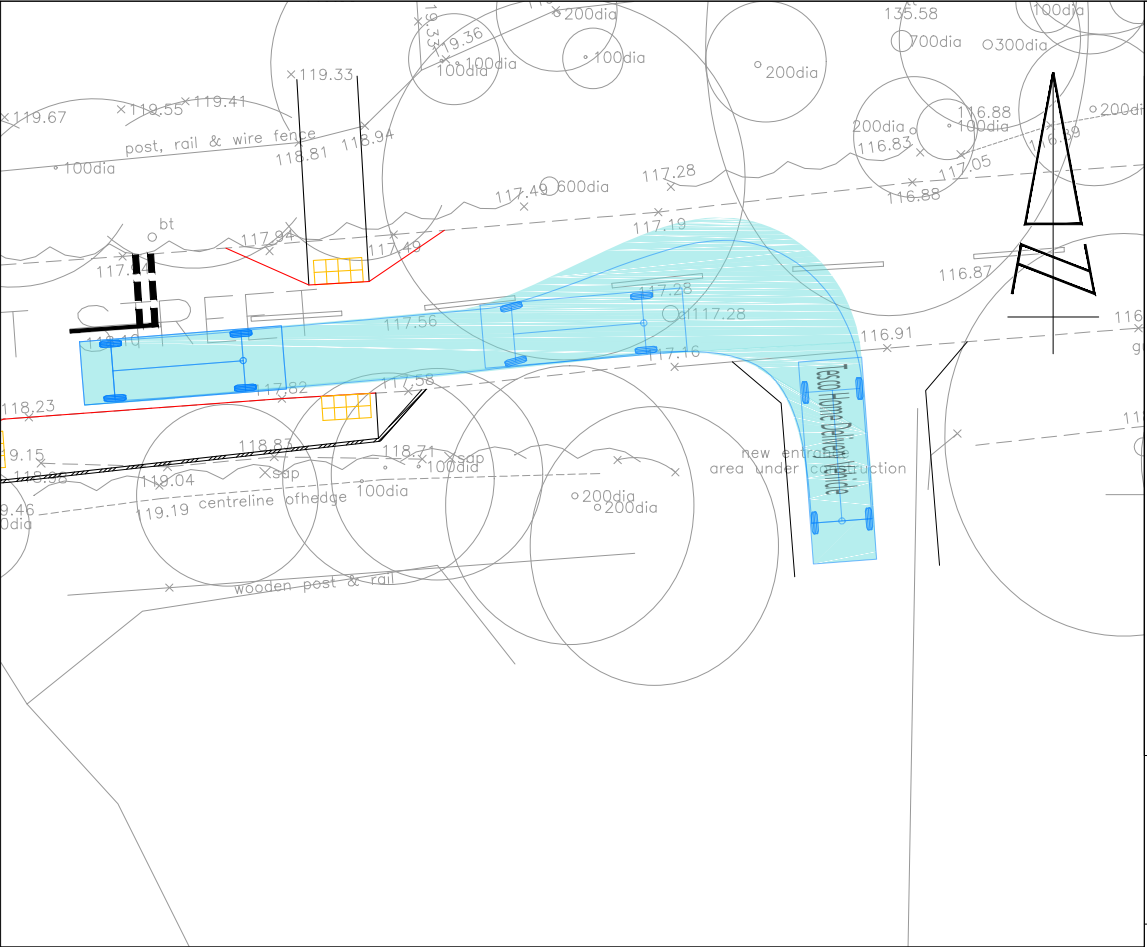
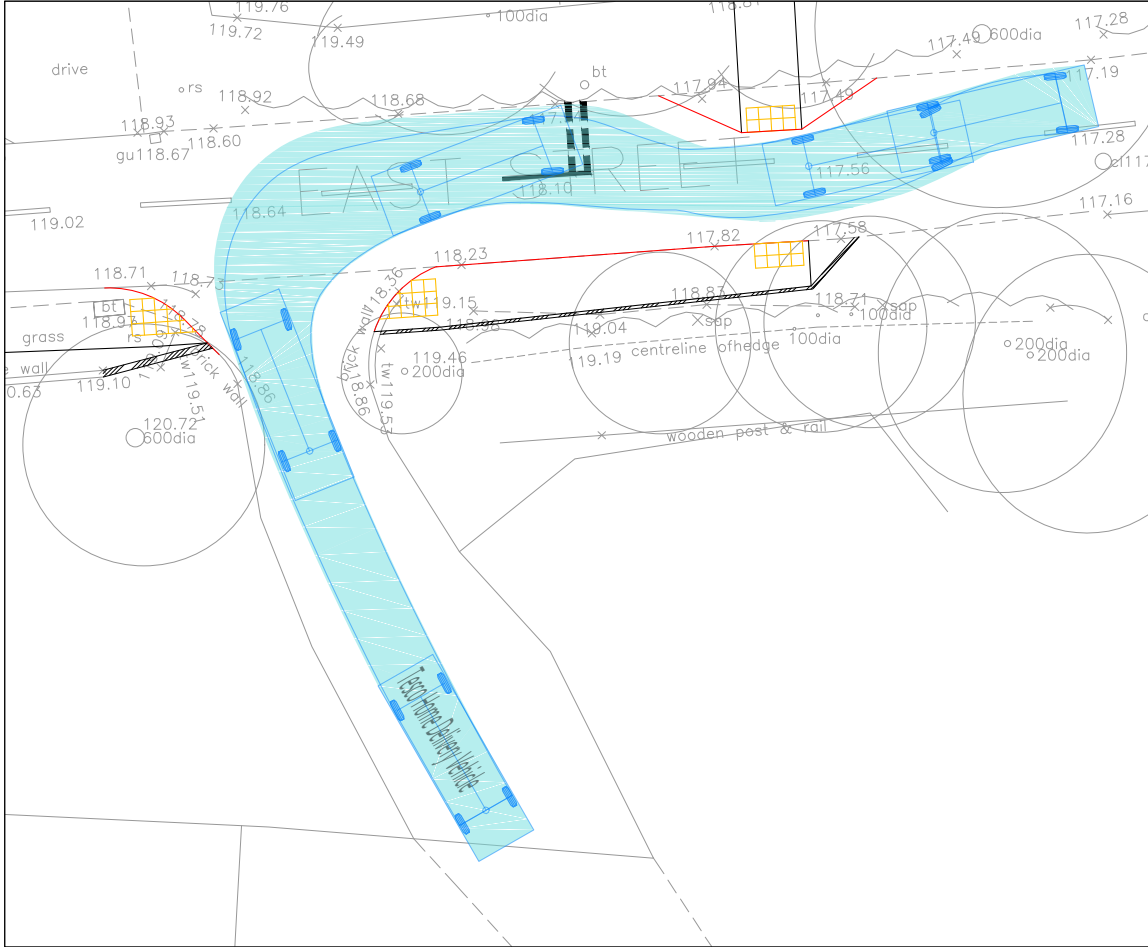
The Square, Basing View,
Basingstoke, Hampshire, RG21 4EB

Tel: 01256 898366

www.i-transport.co.uk

REV	DATE	BY	DESCRIPTION	CHK	APD
C	11.03.25	JD	ARRANGEMENT UPDATED	BT	BT
B	20.02.25	JD	ARRANGEMENT UPDATED	BT	BT
A	20.01.25	JD	KEY UPDATED / ANNOTATIONS UPDATED	BT	BT
STATUS:					
FOR INFORMATION					

TITLE:		DRAWN:		CHECKED:		APPROVED:	
PROPOSED PEDESTRIAN ACCESS - POTENTIAL KERB BUILD OUT ARRANGEMENT		JD		BT		BT	
PROJECT:		PROJECT No:		SCALE @ A3:		DATE:	
NORTH OF EAST STREET, RUSPER		ITB200340		1:500		10.01.25	
CLIENT:		DRAWING No:		REV:			
DEVINE HOMES		ITB200340-GA-008		C			



Tesco Home Delivery Vehicle
Overall Length 6.696m
Overall Width 2.090m
Overall Body Height 3.000m
Min Body Ground Clearance 0.400m
Track Width 2.000m
Lock to lock time 4.00s
Kerb to Kerb Turning Radius 6.000m

REV	DATE	BY	DESCRIPTION	CHK	APD

STATUS: FOR INFORMATION



The Square, Basing View,
Basingstoke, Hampshire, RG21 4EB
Tel: 01256 898366
www.i-transport.co.uk

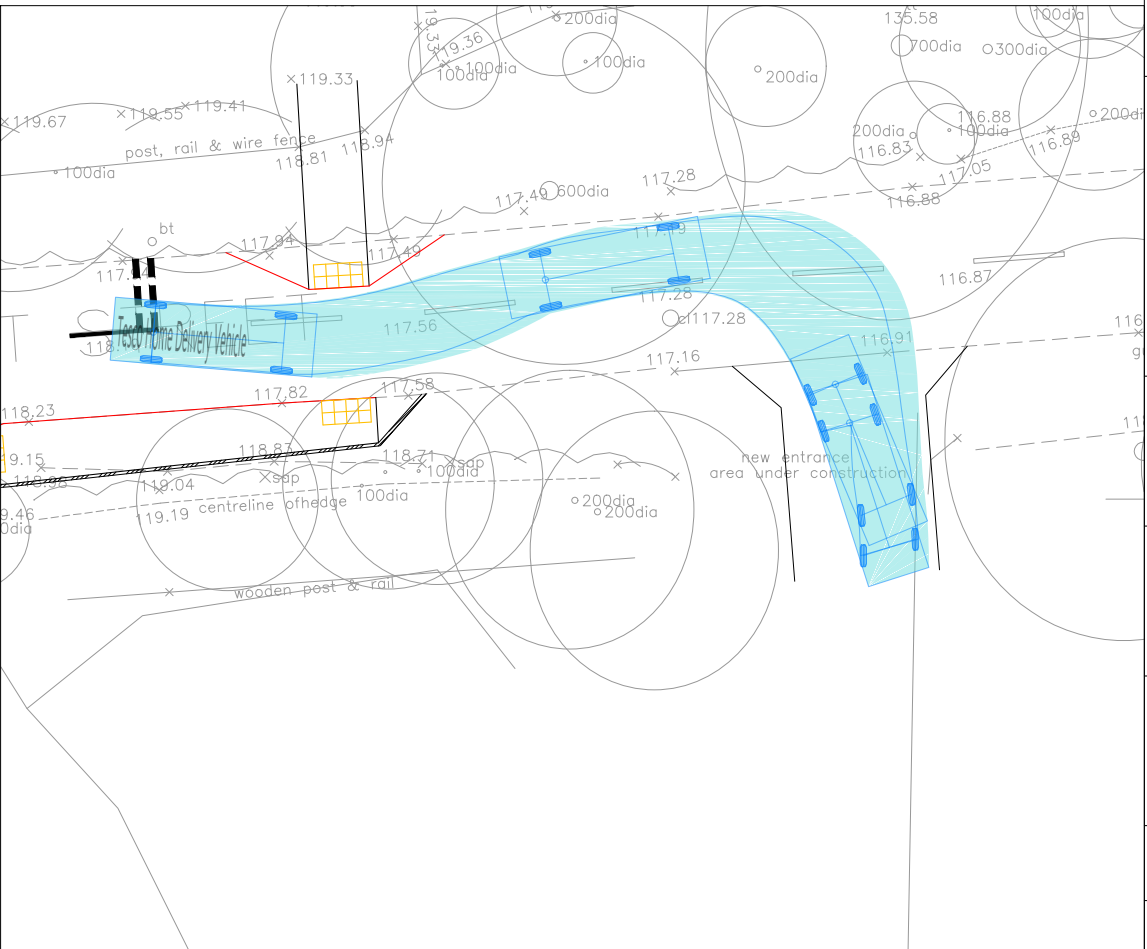
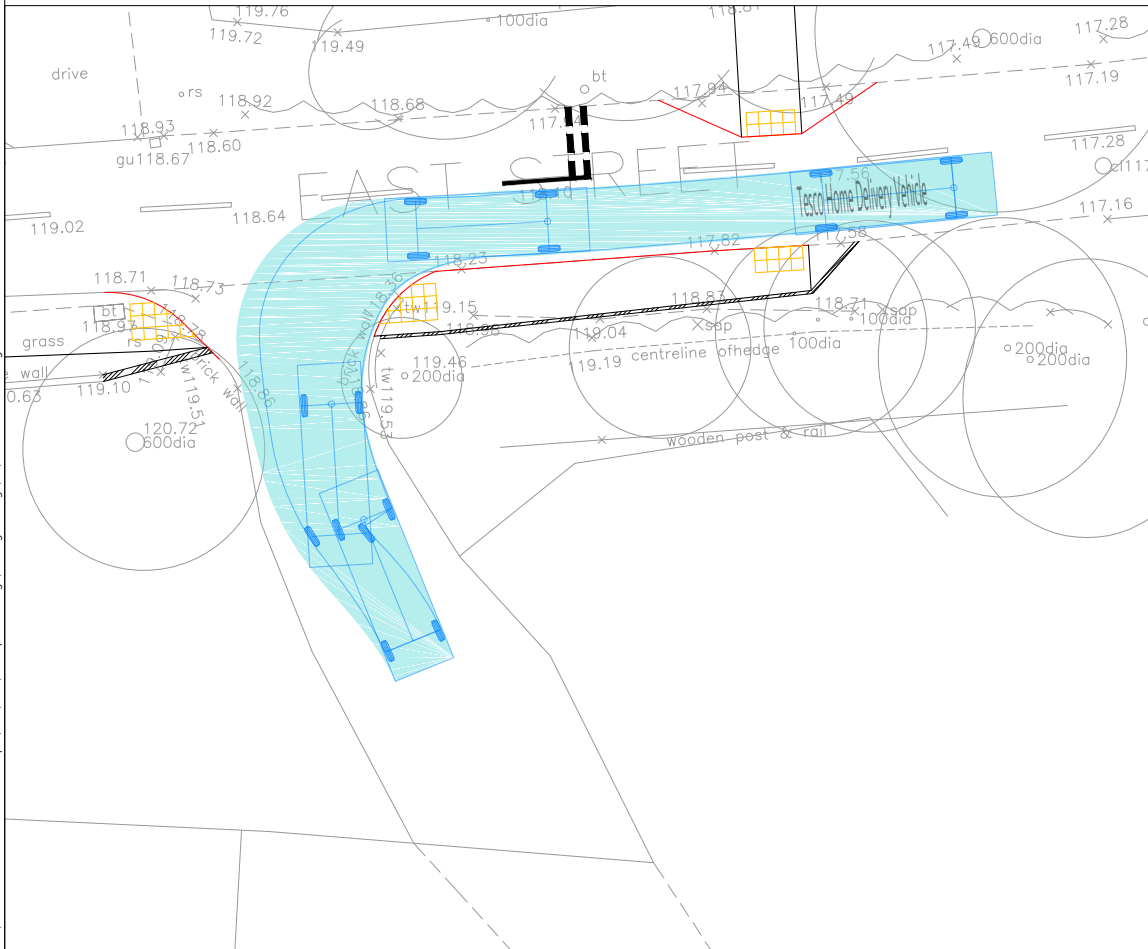
TITLE:
SWEPT PATH ANALYSIS - SUPERMARKET DELIVERY VEHICLE

PROJECT:
NORTH OF EAST STREET, RUSPER

CLIENT:
DEVINE HOMES

DRAWN: JD	CHECKED: BT	APPROVED: BT
PROJECT No: ITB200340	SCALE @ A3: 1:250	DATE: 11.03.25

DRAWING No: ITB200340-GA-010
REV: -



APPENDIX D.STAGE ONE ROAD SAFETY AUDIT

Road Safety Audit Report

Incorporating

Stage 1 Completion of Preliminary Design;

Design Organisation Response to items raised;

Auditors View of Design Organisation Response;

Overseeing Organisation Response; and

Agreed RSA Action.



Proposed Simple Priority Access off and Footway along East Street Rusper

Client:
i-Transport

Client reference:
ITB200340

Fenley
2 Blaenant
Emmer Green
READING
RG4 8PH

E: office@fenley.co.uk
www.fenley.co.uk

Report Status 4

Job no	RSA-24-171	Issue no	4	Date	February 2024
Prepared by	JJF	Verified by	ZB	Approved by	JJF
Filename and Path	Fenley/Road Safety Audits/RSA-24/RSA-24-171-4				

1.0 PROJECT DETAILS

Report Title:	Stage 1 Road Safety Audit
Date:	February 2024
Document reference and revision:	RSA-24-171-4
Prepared by:	Fenley Road Safety Limited
On behalf of the Overseeing Organisation:	West Sussex County Council
Design Organisation:	i-Transport LLP
Project Sponsor:	Devine Homes

REV	ISSUE PURPOSE	AUTHOR	CHECKED	APPROVED	DATE
0	Stage 1 Road Safety Audit drafted for Audit Team discussions	JJF			16 th December 2024
1	Stage 1 Road Safety Audit finalised and issued to the Design Organisation	JJF	ZB	JJF	19 th December 2024
2	Stage 1 Road Safety Audit Report format amended to incorporate additional rows for inclusion of Responses in order to maintain a concise record of items raised	JJF			19 th December 2024
3	Design Organisation Response incorporated	Ben Thomas on behalf of i-Transport			18 th February 2025
4	Audit's road safety view of response in respect of design change	JJF			19 th February 2025
5	Overseeing Organisation Response to items raised incorporated	Xxxx Xxxxx on behalf of West Sussex County Council			XX th February 2025
6	Agreed Road Safety Audit Action incorporated	Xxxx Xxxxx on behalf of West Sussex County Council			XX th February 2025

Contents:

1.0	Project Details	1
2.0	Introduction	2
3.0	Items Raised in any previous Road Safety Audits	4
4.0	Items Raised in this Stage 1 Road Safety Audit	5
	A.1 Alignment	
	A.2 General	
	A.3 Junctions	
	A.4 Walking, Cycling and Horse Riding	
	A.5 Traffic Signs, Carriageway Markings and Lighting	
5.0	Audit Team Statement	10

Appendices:

Stage 1	A1 Documents and Drawings provided for this Road Safety Audit	
	A2 Item Location Plan	
	A3 Drawings associated with the Design Organisation Response	

2.0 INTRODUCTION

- 2.1 This report has been prepared by Fenley Road Safety Limited and results from a Stage 1 Road Safety Audit of a proposed simple priority access off and associated highway works along East Street in Rusper. The proposed access is formed as a bellmouth with 6.0 metre corner radii and is to serve a 5.5 metre wide carriageway. No footways are to be accommodated at the proposed access, however, as part of the works a footway link is to be provided circa 60 metres west of the access which along with three proposed uncontrolled crossings and a proposed footway, will allow access to the existing footway network. It is understood that the proposed works are to facilitate access to a development of 18 dwellings.
- 2.2 The Audit Brief identifies that the proposals do not include any Departures from Standard, whether related to strategic decisions or otherwise.
- 2.3 The Road Safety Audit was undertaken during December 2024 in accordance with the full Road Safety Audit Brief provided on the 12th December 2024 by the Design Organisation, i-Transport, on behalf of the Project Sponsor, Devine Homes. The Road Safety Audit comprised of a site visit as well as an examination of the documents provided which are identified in **Appendix A1**. The Audit Team were satisfied that the Audit Brief was sufficient for the purpose of the Audit instructed. It has been confirmed that items such as surface water drainage, existing / proposed signage, utilities to include covers as well as telegraph poles will be assessed through the detail design stage.
- 2.4 The Road Safety Audit has been undertaken by an Audit Team whose qualifications as well as experience accord with the requirements of GG119. The Audit Team consists of the following:

Audit Team Leader

Jamie Fenning *BSc(Hons), MIHE, MCIHT, MSoRSA, National Highways RSA Certificate of Competency*
Road Safety / Highway Engineer

Audit Team Member

Zane Beswick *MCIHT, MSoRSA*
Road Safety / Highway Engineer

- 2.5 The site visit associated with this Audit was undertaken during the afternoon of Monday 16th December 2024 between the hours of 13:20 and 14:00. The site visit involved walking and driving around the local highway network for a 40-minute period whilst observing the local infrastructure and current traffic conditions. The weather during the site visit was overcast, the road surface was dry, and visibility was good. A number of pedestrians as well as cyclists were present during the site visit. Vehicular traffic was also observed to include motorcycles, cars and light goods vehicles. The traffic flow was light and free flowing. Vehicular speeds

- have not been recorded by the Audit Team but survey data has been provided within the Audit Brief.
- 2.6 The terms of reference of this Road Safety Audit are as described in GG119. The scheme has been examined and this report compiled, only with regard to the safety implications for road users of the scheme as presented. It has not been examined or verified for compliance with any other standards or criteria. However, in order to clearly explain a safety problem or the recommendation to resolve a problem, the Audit Team may on occasion have referred to a design standard for information only. All comments and recommendations are referenced to the design drawings supplied with the Audit Brief and the location of road safety concerns raised have been illustrated beneath the items along with relevant photographs for clarity, where appropriate, as well as on the Location Plan attached at **Appendix A2**.

- Road Safety Audit Response Report**
- 2.7 In accordance with national standards, this Road Safety Audit was finalised and issued to the Design Organisation / Project Sponsor as per the Road Safety Audit Report Template within Appendix D of GG119, which can be provided upon request from either the Audit Team or Design Organisation / Project Sponsor. The format of the Audit Report was subsequently revised to incorporate these paragraphs under the sub-heading as well as sufficient space beneath the items and recommendation, within Section 4, for the inclusion of a Design Organisation Response, an Overseeing Organisation Response and an Agreed RSA Action.
- 2.8 This is generally contained within a separate Road Safety Audit Response Report but is included within this document in order for the Audit Team to maintain a single record of all problems, recommendations, responses and agreed actions for the benefit of a concise Road Safety Audit trail to be held on file for Quality Assurance purposes as these are not provided as a matter of course.
- 2.9 The following statements should be signed below following completion of the relevant sections.

- Design Organisation / Project Sponsor and Overseeing Organisation statements**
- 2.10 On behalf of the Design Organisation / Project Sponsor, 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: Ben Thomas
Signed

Position: Associate Partner
Organisation: i-Transport
Date 18th February 2025



2.11 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:

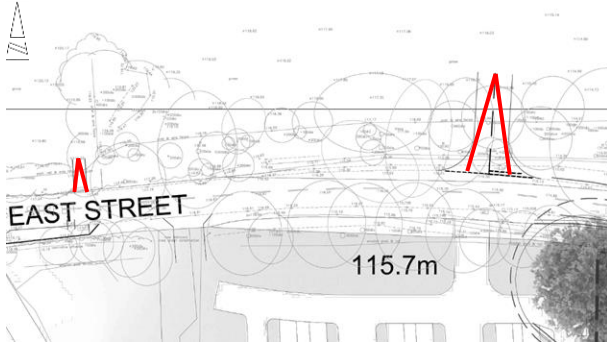
Organisation: West Sussex County Council

Date XXth February 2025

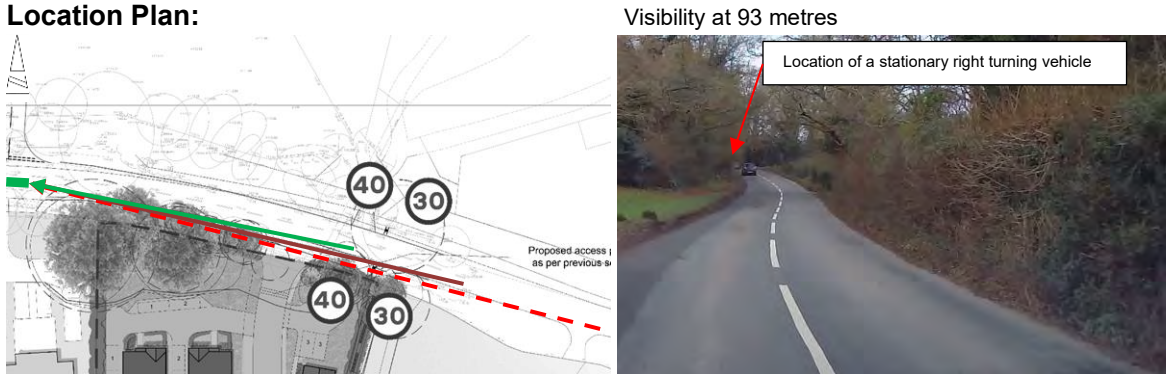
3.0 ITEMS RAISED IN ANY PREVIOUS ROAD SAFETY AUDITS

- 3.1 Fenley Road Safety Limited are not aware of any previous Road safety Audits associated with the current proposals.

4.0 ITEMS RAISED AT THIS STAGE 1 ROAD SAFETY AUDIT

A.1	LOCAL ALIGNMENT
A.1.1	PROBLEM
Location:	East Street
Summary:	Application site is set at a level above the carriageway
Acc Type:	Overshoot type collision and pedestrian slips, falls and personal injuries
The land either side of East Street is set at a higher level than the existing carriageway with the level difference exceeding 1.9 metres in places. The proposals include the provision of a simple priority access as well as a footway link off the northern side of East Street. No levels information has been provided with the Audit Brief. This is common for Stage 1 Road Safety Audits, nevertheless, the Audit Team have concerns that both the proposed access road and footway link, will fall towards East Street at an inappropriate gradient. Falls in excess of 5% on approach to a priority junction or crossing point could lead to overshoot type collisions and pedestrian slips, falls and personal injuries.	
RECOMMENDATION:	
It is recommended that the proposals fall towards the East Street at an appropriate gradient.	
Location Plan:  	
DESIGN ORGANISATION RESPONSE provided by i-Transport on the 18th February 2025 following formal issue of this Stage 1 Road Safety Audit on the 19th December 2024	
Accept – Levels will be considered through the detailed design stage of the scheme, however, it can be confirmed that levels within the site will be reduced and cuttings formed to ensure that the proposed access and footway link are set at an appropriate gradient.	
AUDITOR'S VIEW OF DESIGN ORGANISATION RESPONSE dated 19th February 2025	
Confirmation that the links will fall at an appropriate gradient, addresses the road safety concern raised at this stage.	
OVERSEEING ORGANISATION RESPONSE provided on XXth Feb. '25	
-	
AGREED RSA ACTION	
-	

A.2	GENERAL
	<i>No Road Safety Concerns regarding the scheme in GENERAL have been raised at this stage</i>
A.3	JUNCTIONS
A.3.1	PROBLEM
Location:	East Street
Summary:	Visibility from the proposed access is limited
Acc Type:	Side / rear impact type collision
To the east of Rusper, East Street is rural in nature with no footway and follows a bend in the road whilst falling from west to east. The proposals include the provision of a simple priority access off the northern side of the carriageway at a location opposite an extant shared driveway access that is to serve 6 dwellings. The scheme drawing identifies that a visibility splay of 2.4x120 metres is achievable to the northern channel line, to the east (left) of the proposed access. It is noted, however, that dense vegetation to the south of the carriageway as well as the bend in the road, could limit visibility to westbound traffic. The Audit Team have concerns that an insufficient level of visibility may be achievable from the proposed access, particularly to a westbound motorcycle travelling close to the southern channel line. Inadequate visibility could result in a motorist or cyclist attempting to exit the proposed simple priority access when it is not safe to do so which could lead to a side / rear impact or vehicle to cyclist type collision.	
RECOMMENDATION:	
It is recommended that adequate visibility is achievable.	
Location Plan:	Visibility at 120 metres  The 'Location Plan' on the left is a technical drawing showing a road layout with a proposed access point. It includes speed limit signs for 40 and 30 mph. A green line indicates the 'Proposed access as per previous scheme'. The photograph on the right, titled 'Visibility at 120 metres', shows a real-world view of the road bend. A red arrow points to the 'Proposed Access' location on the road.
DESIGN ORGANISATION RESPONSE provided by i-Transport on the 18th February 2025 following formal issue of this Stage 1 Road Safety Audit on the 19th December 2024 Accept – Drawing ITB4215-GA-023 has been prepared based on levels detailed on the topographical survey and demonstrates that a 2.4m x 120m visibility splay is achievable to the left in the vertical plane for vehicles exiting the site from a typical driver's eye height of 1.05m to an object height of 0.26m above the ground.	

AUDITOR'S VIEW OF DESIGN ORGANISATION RESPONSE dated 19th February 2025	
Confirmation that adequate visibility is achievable from the proposed access, addresses the road safety concern raised at this stage.	
OVERSEEING ORGANISATION RESPONSE provided on XXth Feb. '25	
-	
AGREED RSA ACTION	
-	
A.3.2	PROBLEM
Location:	East Street
Summary:	Visibility to a stationary right turning vehicle is limited
Acc Type:	Rear impact type collision
East Street is rural in nature with a verge as well as dense vegetation both sides of the carriageway and bends by circa 14° whilst following a circa 270 metre road centreline radius and falling from west to east. The proposals include the provision of a simple priority access off the northern side of the carriageway. Due to the existing horizontal alignment of the road and dense vegetation on the inside of the bend, as well as the existing topography of the verge and vertical alignment of the carriageway, the Audit Team have concerns that forward visibility for westbound motorists, to a vehicle waiting to turn right into the proposed access, is limited. Motorists approaching at the speed limit of the road may therefore not become aware of a stationary right turning vehicle in the road ahead, at a safe distance which could lead to heavy braking and loss of control as well as rear end shunt type collisions.	
RECOMMENDATION:	
It is recommended that adequate forward visibility is achievable.	
Location Plan:	Visibility at 93 metres 
DESIGN ORGANISATION RESPONSE provided by i-Transport on the 18th February 2025 following formal issue of this Stage 1 Road Safety Audit on the 19th December 2024	
Accept – Drawing ITB200350-GA-006A has been generated based on levels detailed on the topographical survey and identifies that a 120m stopping sight distance for approaching westbound drivers is achievable. East Street is also adequate in both the horizontal and vertical	

plane to see vehicles waiting to turn right into the proposed site access within the highway. Overgrown vegetation will be cut back within the visibility envelope as part of the proposed works. It must be noted that vegetation clearance is to be undertaken as part of the works to provide the extant access on the opposite side of East Street in order to allow for the 2.4m x 60m visibility splays to an offset of 1.0m from the channel line, which were deemed acceptable by the County Highway Authority.	
AUDITOR'S VIEW OF DESIGN ORGANISATION RESPONSE dated 19th February 2025	
Confirmation that adequate forward visibility is achievable, addresses the road safety concern raised at this stage.	
OVERSEEING ORGANISATION RESPONSE provided on XXth Feb. '25	
-	
AGREED RSA ACTION	
-	
A.4	WALKING CYCLING AND HORSE RIDING
A.4.1	PROBLEM
Location:	East Street
Summary:	Intervisibility between a pedestrian and approaching traffic may be limited
Acc Type:	Vehicle to pedestrian type collision
Within the village of Rusper, East Street benefits from a footway both sides of the carriageway with the northern footway terminating at a location where a property frontage abuts the carriageway. The proposals provide a pedestrian connection between the application site and the existing footway network within Rusper with the provision of a pedestrian link off the northern side of East Street, just to the east of the village, and a number of uncontrolled crossings as well as an upgrade of the existing verge along the southern side of the carriageway to form a footway. The scheme drawings identify that the associated works are to include retaining structures and verge regrading due to existing levels, however, no pedestrian visibility splays are illustrated which are likely to encroach outside the public highway and could become obstructed. The Audit Team have concerns that intervisibility between pedestrians at the proposed crossing points and approaching motorists may be limited, particularly at the uncontrolled crossing associated with the pedestrian link, which could lead to a pedestrian attempting to cross when it is not safe to do so, leading to a vehicle to pedestrian type collisions.	
RECOMMENDATION:	
It is recommended that adequate intervisibility is achievable.	

Location Plan: 	
DESIGN ORGANISATION RESPONSE provided by i-Transport on the 18 th February 2025 following formal issue of this Stage 1 Road Safety Audit on the 19 th December 2024	
Accept – Land registry plans illustrate that the legal property boundary lies beyond a 1 metre verge and plans detailing the adopted highway identify highway boundary lies along the line of the kerbs. As such, there is a 1 metre strip of land that is not officially owned which can be cleared and maintained clear to allow for adequate visibility to be achieved. Drawing ITB200340-GA-008A illustrates the land ownership details.	
AUDITOR'S VIEW OF DESIGN ORGANISATION RESPONSE dated 19 th February 2025	
Confirmation that adequate intervisibility is achievable, addresses the road safety concern raised at this stage.	
OVERSEEING ORGANISATION RESPONSE provided on XX th Feb. '25	
-	
AGREED RSA ACTION	
-	
A.5	TRAFFIC SIGNS, CARRIAGEWAY MARKINGS AND LIGHTING
	No Road Safety Concerns regarding TRAFFIC SIGNS, CARRIAGEWAY MARKINGS AND LIGHTING have been raised at this stage

5.0 STAGE 1 ROAD SAFETY AUDIT TEAM STATEMENT

5.1 We certify that this Road Safety Audit has been carried out in accordance with GG119.

Audit Team Leader

Name: **Jamie Fenning** *BSc (Hons), MIHE, MCIHT, MSoRSA, NH RSA Certificate of Competency*

Signed:



Position: Road Safety / Highway Engineer

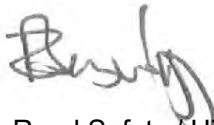
Organisation: Fenley Road Safety Limited

Date: 19th February 2024

Audit Team Member

Name: **Zane Beswick** *MCIHT, MSoRSA*

Signed:



Position: Road Safety / Highway Engineer

Organisation: Fenley Road Safety Limited

Date: 19th December 2024

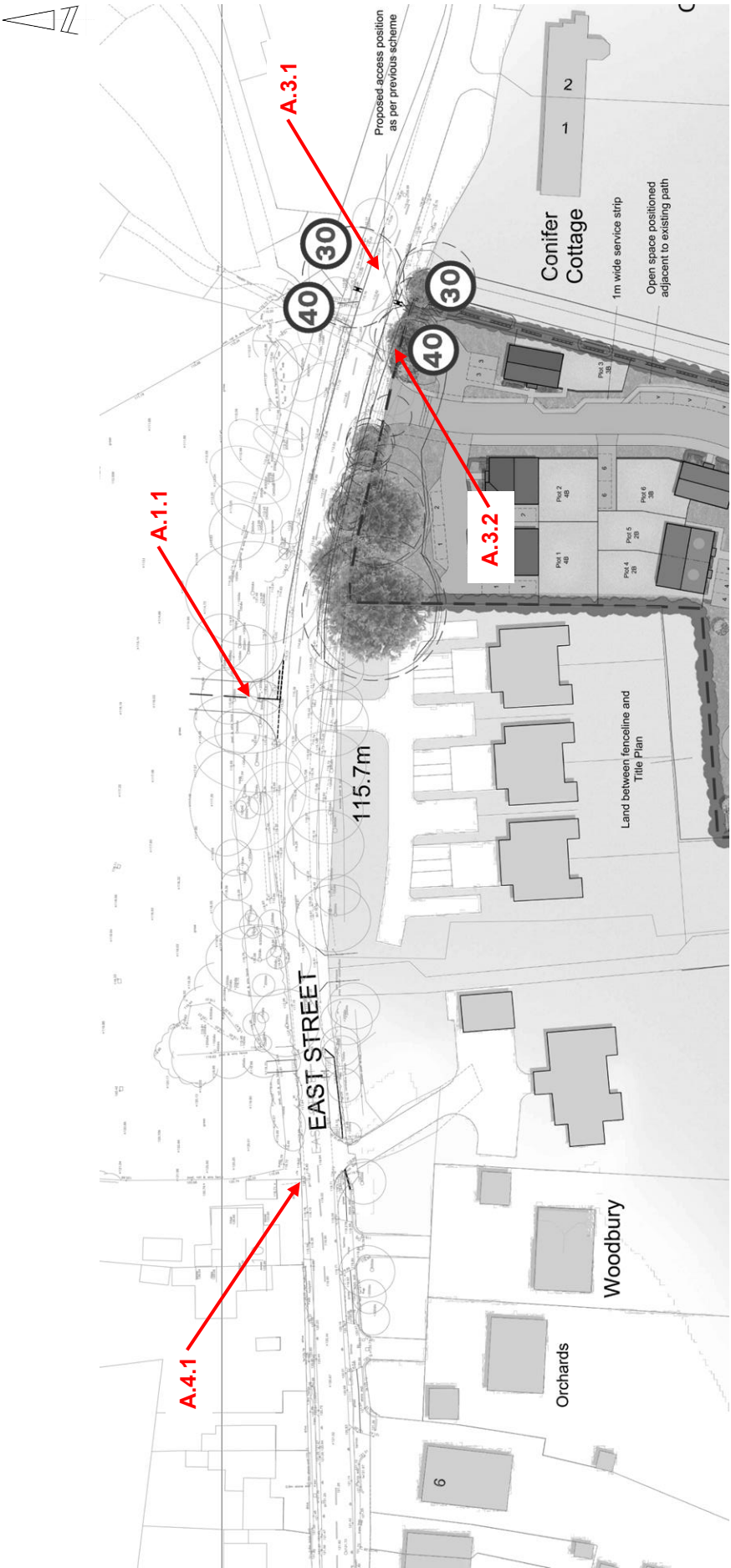
Appendix A1

Documents and Drawings provided for this Stage 1 Road Safety Audit

<u>Audit Stage</u>	<u>Doc. No.</u>	<u>Rev</u>	<u>Title</u>
Stage 1	Email dated 12 th Dec. '24		Stage 1 Road Safety Audit Brief
	IX0283		East Street Rusper ATC data
	<u>Dwg No.</u>	<u>Rev</u>	<u>Title</u>
	ITB200340-GA-002	-	Proposed Site Access Arrangement
	ITB200340-GA-002	-	Proposed Site Access Arrangement with Millfields Farm Overlay
	7522-PL-04	-	Refuse Strategy

Appendix A2

Item Location Plan



Appendix A3

Drawings associated with the Design Organisation Response

<u>Audit Stage</u>	<u>Drawing No.</u>	<u>Rev</u>	<u>Title</u>
Stage 1	ITB200340-GA-002	B	Proposed Site Access Arrangement
	ITB200340-GA-006	B	Visibility Splay and Forward Visibility - Longsections
	ITB200340-GA-007	B	Pedestrian Visibility Splays
	ITB200340-GA-008	A	Proposed Pedestrian Access

fenley

APPENDIX E. FULL TRICS OUTPUTS

Land Use : 03 - RESIDENTIAL
Category : M - MIXED PRIVATE/AFFORDABLE HOUSING
MULTI-MODAL TOTAL VEHICLES

02	SOUTH EAST ES EAST SUSSEX	2 days
----	------------------------------	--------

This section displays the number of survey days per TRICS® sub-region in the selected set

Primary Filtering selection:

This data displays the chosen trip rate parameter and its selected range. Only sites that fall within the parameter range are included in the trip rate calculation.

Parameter: No of Dwellings
Actual Range: 16 to 47 (units:)
Range Selected by User: 5 to 50 (units:)

Parking Spaces Range: All Surveys Included

Parking Spaces per Dwelling Range: All Surveys Included

Bedrooms per Dwelling Range: All Surveys Included

Percentage of dwellings privately owned: All Surveys Included

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/16 to 20/09/23

This data displays the range of survey dates selected. Only surveys that were conducted within this date range are included in the trip rate calculation.

Selected survey days:

Tuesday 1 days
Wednesday 1 days

This data displays the number of selected surveys by day of the week.

Selected survey types:

Manual count 2 days
Directional ATC Count 0 days

This data displays the number of manual classified surveys and the number of unclassified ATC surveys, the total adding up to the overall number of surveys in the selected set. Manual surveys are undertaken using staff, whilst ATC surveys are undertaking using machines.

Selected Locations:

Neighbourhood Centre (PPS6 Local Centre) 2

This data displays the number of surveys per main location category within the selected set. The main location categories consist of Free Standing, Edge of Town, Suburban Area, Neighbourhood Centre, Edge of Town Centre, Town Centre and Not Known.

Selected Location Sub Categories:

Village 2

This data displays the number of surveys per location sub-category within the selected set. The location sub-categories consist of Commercial Zone, Industrial Zone, Development Zone, Residential Zone, Retail Zone, Built-Up Zone, Village, Out of Town, High Street and No Sub Category.

Inclusion of Servicing Vehicles Counts:

Servicing vehicles Included X days - Selected
Servicing vehicles Excluded 3 days - Selected

Secondary Filtering selection:

Use Class:

C3 2 days

This data displays the number of surveys per Use Class classification within the selected set. The Use Classes Order (England) 2020 has been used for this purpose, which can be found within the Library module of TRICS®.

Population within 500m Range:

All Surveys Included

Secondary Filtering selection (Cont.):

Population within 1 mile:

1,001 to 5,000	2 days
----------------	--------

This data displays the number of selected surveys within stated 1-mile radii of population.

Population within 5 miles:

25,001 to 50,000	2 days
------------------	--------

This data displays the number of selected surveys within stated 5-mile radii of population.

Car ownership within 5 miles:

1.1 to 1.5	1 days
1.6 to 2.0	1 days

This data displays the number of selected surveys within stated ranges of average cars owned per residential dwelling, within a radius of 5-miles of selected survey sites.

Travel Plan:

Yes	1 days
No	1 days

This data displays the number of surveys within the selected set that were undertaken at sites with Travel Plans in place, and the number of surveys that were undertaken at sites without Travel Plans.

PTAL Rating:

No PTAL Present	2 days
-----------------	--------

This data displays the number of selected surveys with PTAL Ratings.

LIST OF SITES relevant to selection parameters

1	ES-03-M-09 STATION ROAD NORTHAM	DETACHED / SEMI-DETACHED	EAST SUSSEX
	Neighbourhood Centre (PPS6 Local Centre) Village		
	Total No of Dwellings:	16	
	Survey date: WEDNESDAY	17/05/17	Survey Type: MANUAL
2	ES-03-M-20 HOREBEECH LANE HORAM	MIXED HOUSES & FLATS	EAST SUSSEX
	Neighbourhood Centre (PPS6 Local Centre) Village		
	Total No of Dwellings:	47	
	Survey date: TUESDAY	05/10/21	Survey Type: MANUAL

This section provides a list of all survey sites and days in the selected set. For each individual survey site, it displays a unique site reference code and site address, the selected trip rate calculation parameter and its value, the day of the week and date of each survey, and whether the survey was a manual classified count or an ATC count.

TRIP RATE for Land Use 03 - RESIDENTIAL/M - MIXED PRIVATE/AFFORDABLE HOUSING
MULTI-MODAL TOTAL VEHICLES
 Calculation factor: 1 DWELLS
 BOLD print indicates peak (busiest) period
 Total People to Total Vehicles ratio (all time periods and directions): 1.49

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	2	32	0.000	2	32	0.302	2	32	0.302
08:00 - 09:00	2	32	0.079	2	32	0.349	2	32	0.428
09:00 - 10:00	2	32	0.175	2	32	0.048	2	32	0.223
10:00 - 11:00	2	32	0.079	2	32	0.063	2	32	0.142
11:00 - 12:00	2	32	0.095	2	32	0.175	2	32	0.270
12:00 - 13:00	2	32	0.079	2	32	0.127	2	32	0.206
13:00 - 14:00	2	32	0.270	2	32	0.175	2	32	0.445
14:00 - 15:00	2	32	0.159	2	32	0.270	2	32	0.429
15:00 - 16:00	2	32	0.460	2	32	0.286	2	32	0.746
16:00 - 17:00	2	32	0.365	2	32	0.159	2	32	0.524
17:00 - 18:00	2	32	0.349	2	32	0.238	2	32	0.587
18:00 - 19:00	2	32	0.302	2	32	0.143	2	32	0.445
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			2.412			2.335			4.747

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

*To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.*

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Parameter summary

Trip rate parameter range selected:

16 - 47 (units:)

Survey date date range:

01/01/16 - 20/09/23

Number of weekdays (Monday-Friday):

2

Number of Saturdays:

0

Number of Sundays:

0

Surveys automatically removed from selection:

0

Surveys manually removed from selection:

0

This section displays a quick summary of some of the data filtering selections made by the TRICS® user. The trip rate calculation parameter range of all selected surveys is displayed first, followed by the range of minimum and maximum survey dates selected by the user. Then, the total number of selected weekdays and weekend days in the selected set of surveys are show. Finally, the number of survey days that have been manually removed from the selected set outside of the standard filtering procedure are displayed.

TRIP RATE for Land Use 03 - RESIDENTIAL/M - MIXED PRIVATE/AFFORDABLE HOUSING
 MULTI-MODAL CYCLISTS
 Calculation factor: 1 DWELLS
 BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	2	32	0.000	2	32	0.000	2	32	0.000
08:00 - 09:00	2	32	0.000	2	32	0.000	2	32	0.000
09:00 - 10:00	2	32	0.000	2	32	0.000	2	32	0.000
10:00 - 11:00	2	32	0.000	2	32	0.000	2	32	0.000
11:00 - 12:00	2	32	0.000	2	32	0.000	2	32	0.000
12:00 - 13:00	2	32	0.000	2	32	0.000	2	32	0.000
13:00 - 14:00	2	32	0.000	2	32	0.000	2	32	0.000
14:00 - 15:00	2	32	0.000	2	32	0.016	2	32	0.016
15:00 - 16:00	2	32	0.000	2	32	0.000	2	32	0.000
16:00 - 17:00	2	32	0.000	2	32	0.000	2	32	0.000
17:00 - 18:00	2	32	0.000	2	32	0.000	2	32	0.000
18:00 - 19:00	2	32	0.000	2	32	0.000	2	32	0.000
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.000			0.016			0.016

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.

TRIP RATE for Land Use 03 - RESIDENTIAL/M - MIXED PRIVATE/AFFORDABLE HOUSING
 MULTI-MODAL PEDESTRIANS
 Calculation factor: 1 DWELLS
 BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	2	32	0.000	2	32	0.016	2	32	0.016
08:00 - 09:00	2	32	0.000	2	32	0.000	2	32	0.000
09:00 - 10:00	2	32	0.016	2	32	0.063	2	32	0.079
10:00 - 11:00	2	32	0.095	2	32	0.032	2	32	0.127
11:00 - 12:00	2	32	0.000	2	32	0.000	2	32	0.000
12:00 - 13:00	2	32	0.048	2	32	0.048	2	32	0.096
13:00 - 14:00	2	32	0.016	2	32	0.016	2	32	0.032
14:00 - 15:00	2	32	0.000	2	32	0.016	2	32	0.016
15:00 - 16:00	2	32	0.048	2	32	0.016	2	32	0.064
16:00 - 17:00	2	32	0.000	2	32	0.048	2	32	0.048
17:00 - 18:00	2	32	0.111	2	32	0.190	2	32	0.301
18:00 - 19:00	2	32	0.111	2	32	0.016	2	32	0.127
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.445			0.461			0.906

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.

TRIP RATE for Land Use 03 - RESIDENTIAL/M - MIXED PRIVATE/AFFORDABLE HOUSING
 MULTI-MODAL BUS/TRAM PASSENGERS
 Calculation factor: 1 DWELLS
 BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	2	32	0.000	2	32	0.000	2	32	0.000
08:00 - 09:00	2	32	0.000	2	32	0.016	2	32	0.016
09:00 - 10:00	2	32	0.000	2	32	0.000	2	32	0.000
10:00 - 11:00	2	32	0.000	2	32	0.000	2	32	0.000
11:00 - 12:00	2	32	0.000	2	32	0.000	2	32	0.000
12:00 - 13:00	2	32	0.000	2	32	0.032	2	32	0.032
13:00 - 14:00	2	32	0.000	2	32	0.000	2	32	0.000
14:00 - 15:00	2	32	0.000	2	32	0.000	2	32	0.000
15:00 - 16:00	2	32	0.016	2	32	0.000	2	32	0.016
16:00 - 17:00	2	32	0.016	2	32	0.000	2	32	0.016
17:00 - 18:00	2	32	0.000	2	32	0.000	2	32	0.000
18:00 - 19:00	2	32	0.000	2	32	0.000	2	32	0.000
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.032			0.048			0.080

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

*To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.*

TRIP RATE for Land Use 03 - RESIDENTIAL/M - MIXED PRIVATE/AFFORDABLE HOUSING
 MULTI-MODAL PUBLIC TRANSPORT USERS
 Calculation factor: 1 DWELLS
 BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	2	32	0.000	2	32	0.000	2	32	0.000
08:00 - 09:00	2	32	0.000	2	32	0.016	2	32	0.016
09:00 - 10:00	2	32	0.000	2	32	0.000	2	32	0.000
10:00 - 11:00	2	32	0.000	2	32	0.000	2	32	0.000
11:00 - 12:00	2	32	0.000	2	32	0.000	2	32	0.000
12:00 - 13:00	2	32	0.000	2	32	0.032	2	32	0.032
13:00 - 14:00	2	32	0.000	2	32	0.000	2	32	0.000
14:00 - 15:00	2	32	0.000	2	32	0.000	2	32	0.000
15:00 - 16:00	2	32	0.016	2	32	0.000	2	32	0.016
16:00 - 17:00	2	32	0.016	2	32	0.000	2	32	0.016
17:00 - 18:00	2	32	0.000	2	32	0.000	2	32	0.000
18:00 - 19:00	2	32	0.000	2	32	0.000	2	32	0.000
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.032			0.048			0.080

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.

TRIP RATE for Land Use 03 - RESIDENTIAL/M - MIXED PRIVATE/AFFORDABLE HOUSING
MULTI-MODAL LGVS
Calculation factor: 1 DWELLS
BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	2	32	0.000	2	32	0.032	2	32	0.032
08:00 - 09:00	2	32	0.032	2	32	0.032	2	32	0.064
09:00 - 10:00	2	32	0.000	2	32	0.000	2	32	0.000
10:00 - 11:00	2	32	0.016	2	32	0.032	2	32	0.048
11:00 - 12:00	2	32	0.032	2	32	0.063	2	32	0.095
12:00 - 13:00	2	32	0.032	2	32	0.032	2	32	0.064
13:00 - 14:00	2	32	0.063	2	32	0.032	2	32	0.095
14:00 - 15:00	2	32	0.016	2	32	0.048	2	32	0.064
15:00 - 16:00	2	32	0.143	2	32	0.063	2	32	0.206
16:00 - 17:00	2	32	0.032	2	32	0.016	2	32	0.048
17:00 - 18:00	2	32	0.032	2	32	0.048	2	32	0.080
18:00 - 19:00	2	32	0.048	2	32	0.016	2	32	0.064
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.446			0.414			0.860

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

*To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.*

