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**Change of Use of Care Facility (C2) to 25 Dwellings (C3) with Associated Works
Freeman Close, Eastergate Lane, Walberton, Arun BN18 0AE**

1. Introduction

1.1 Purpose of Report

This Transport Statement (TS) has been prepared in support of a planning application to Arun District Council as Local Planning Authority (LPA) for the conversion of an existing 33-person care facility to 25 residential dwellings at Freeman Close, Eastergate Lane. The proposal represents a change of use within the existing developed site and utilises the established vehicular access from Eastergate Lane. The location of the site is shown below.



The TS assesses the transport and highway implications of the proposed development in accordance with national and local planning policy and demonstrates that the proposal will not result in a material adverse impact on the operation or safety of the surrounding highway network.

1.2 Proposed Development

The proposed residential accommodation comprises:

- 3 × 1-bed units
- 8 × 2-bed units
- 11 × 3-bed units

- 3 × 4-bed units

The development will provide a total of 70 car parking spaces, including:

- 16 carports
- 5 visitor spaces
- 3 disabled parking spaces

Vehicular access will be taken from the existing priority junction onto Eastergate Lane, with no alteration to the point of access.

2. Site Location and Surrounding Highway Network

2.1 Site Location

The application site is located on the northern side of Eastergate Lane, within an established residential area of Arun District. The site benefits from an existing, long-established access and has historically generated daily vehicular movements associated with staff, visitors, servicing, and operational needs of the care home. The site also operated a commercial Apple Juice business.

2.2 Local Highway Network

Eastergate Lane is a two-way single carriageway subject to a 40mph speed limit, with a rural / suburban character in the vicinity of the site. The carriageway width is sufficient to accommodate two-way traffic flows, and there are no existing on-street parking restrictions.

Visibility at the site access is appropriate for the prevailing traffic speeds, and the access operates as a simple priority junction, consistent with other residential accesses along Eastergate Lane. This is discussed in more detail below. West Sussex County Council as Local Highway Authority have recently approved a Traffic Regulation Order under reference ARN2308MM to reduce the speed limit on the entire length of Eastergate Lane to 30mph. This will have a bearing on the visibility requirement for the existing access onto Eastergate Lane.

2.3 Wider Highway Network

Eastergate Lane provides direct connectivity to the A29, located approximately 1000 metres to the west. The A29 is a key north–south route linking Bognor Regis, Barnham, and Billingshurst, and connects to the A27 Trunk Road, forming part of the Strategic Road Network. The site therefore benefits from good access to the wider highway network.

To the east, the road forms a priority junction with Barnham Lane / The street, which continues to the east through the village of Walberton.

An inspection of data supplied by Sussex Police over a period of the past five years reveals that there have been no recorded injury incidents within the vicinity of the site.

Therefore, there is no evidence to suggest that the existing access is operating unsafely, or that the proposal would exacerbate an existing safety concern.

3. Sustainable Accessibility

3.1 Pedestrian and Cycle Accessibility

The site is located within reasonable walking and cycling distance of local services, facilities, and public transport stops. The Chartered Institute of Highways and Transportation's (CIHT) publication 'Planning for Walking' (April 2015) identifies that 80% of journeys under 1 mile (1.6km) are made by foot, and 26% of journeys between 1-2 miles (1.6km – 3.2km) are made by foot. A range of local services and amenities, including schools, bus stops, leisure facilities, doctors, local convenience store and post office, and public houses, are situated within 1.6km of the application site, and are therefore accessible on foot.

The Department for Transport (DfT) document 'Cycle Infrastructure Design (LTN 1/20) (July 2020) states that 5 miles (8km) is an achievable distance to cycle for most people. The full extent of Fontwell, Eastergate, Westergate, Walberton and Barnham are therefore accessible by cycle.

The scale and nature of the development support opportunities for short local trips to be undertaken by walking or cycling, consistent with sustainable travel objectives.

3.2 Public Transport

There are several bus stops situated within the vicinity of the site, the closest being 'Level Mare Lane' bus stops located c.1500m to the north west of the site access. The stops are served by the no.85 service which runs between Chichester and Arundel. Additionally, the 'Collins Close' bus stops are located c.1650m to the south west of the site and provide an additional service between Chichester and Westergate. A summary of the services available is provided in the table below

Local bus services operate within walking distance of the site, providing connections to Barnham, Chichester, and surrounding settlements. Barnham railway station is accessible by cycle or short car journey and provides regular regional and London services.

Service	Route Summary	Frequency	Operating Hours
85	Arundel Riverbank – Binstead – Walberton – Barnham – Oving – Chichester Sainsburys - Chichester Cathedral	Twice a day	Mon – Fri: 09:55 – 15:25
500	Littlehampton Anchor Springs – Yapton – Watergate – Eastergate - Tangmere – Shopwyke – Chichester Bus Station	Every 40 mins	Mon – Fri: 05:30 – 00:50 Sat: 06:05 – 05:50 Sun: 07:05 – 00:50
658	Chichester Bus Station – St Richards Hospital – Tangmere Co-op – Slindon – Westergate	Once a day (each way)	Mon – Fri: 7:30 – 0810 and 14:48 – 15:22

4. Proposed Access and Parking

4.1 Vehicular Access

The development will utilise the existing priority junction onto Eastergate Lane, with no requirement for highway widening or realignment. The access has historically accommodated regular staff shifts; visitor traffic, deliveries, and service vehicles associated with the care home use and commercial use.

When commenting on a recent planning application on this site submitted under reference WA/32/25/PD, the Highway Authority said:

Freemans Close is not part of the public highway and is in private ownership. As such all comments are made in an advisory capacity. Access into Freemans Close is taken from the public highway via a bell mouth junction form at Eastergate Lane, a 'c' classified 40mph rural road. Visibility is good and the access is wide enough to accommodate two vehicles passing each other.

It is therefore evident that the Highway Authority have previously considered the access geometry and have concluded that the access is acceptable from a safety point of view.

In order to establish the actual vehicle speeds on Eastergate Lane though, a 7-day traffic speed and volume survey was undertaken. Streetwise Services were commissioned and installed automatic traffic count equipment in the vicinity of the site access. The table below provides a summary of the recorded vehicle speeds and volumes, whilst the survey data is included as [Appendix 1](#) to this Statement.

Eastergate Lane Traffic Survey						
Average Speed		85 th percentile Speed		Traffic Volume		
Eastbound	Westbound	Eastbound	Westbound	Eastbound	Westbound	Combined
30.1 mph	29.9 mph	34.7mph	34.9mph	737	702	1439

Using the information with the document Manual for Streets where a reaction time of 1.5seconds is employed together with a deceleration rate of 0.450g, a visibility Y distance of 53m would be required to the east and west of the access together with an X distance of 2.4m. Drawing numbered NJC-001 is therefore included as [Appendix 2](#) to this Note which shows the visibility splays based on the recorded 85th percentile speeds. All land required to secure the splays is either within the extent of the public highway, or within the control of the Applicant.

4.2 Car Parking Provision

A total of 70 parking spaces are proposed, comprising:

- 16 single and double carports
- 43 allocated on-plot or communal spaces
- 8 visitor spaces (including 3 disabled spaces)

The parking provision exceeds the minimum requirements set out in the Arun Parking Standards Supplementary Planning Document (SPD) and reflects the mixed dwelling size and suburban location of the site.

Disabled parking spaces are designed to appropriate dimensions and located close to building entrances to ensure inclusive access.

An electric vehicle charging point will be provided for each dwelling which will cater for the charging needs of any future residents in possession of an Electric Vehicle.

4.3 Cycle Parking

Cycle parking will be provided within secure stores in accordance with the Arun Parking Standards SPD. This provision supports sustainable travel choices and aligns with national and local policy objectives.

5. Trip Generation and Traffic Impact

5.1 Existing Use

The existing 33-person care facility previously generated daily vehicle movements associated with:

- Staff shift changes
- Visitor arrivals and departures
- Deliveries and servicing
- Healthcare professionals and support services

It has not been possible to assess the actual traffic impact from the Care Facility as this use has now ceased. In view of this, the TRICS database v8 has been interrogated to ascertain the potential daily impact. In selecting suitable comparison sites, the following criteria has been used.

- Land Use – Health – Care Facility
- Number of Residents - 17 to 99
- Date Range – 29/05/13 to 15/09/23
- Location – Edge of town and Suburban Area

Using the above, the table below shows the TRICS trip rates together with the likely traffic that a 33 person Care Home could generate.

TRICS Trip Rate for Care Facility			
	Arrivals	Departures	Two-way Total
AM Peak Hour	0.087	0.051	0.138
PM Peak Hour	0.056	0.079	0.135
Daily Traffic	1.149	1.167	2.316

Vehicle Trip Generation based on 33 Residents			
AM Peak Hour	3	2	5
PM Peak Hour	2	3	5
Daily Traffic	38	39	77

Based on the TRICS data, it can be seen that the existing permitted use has the potential to generate around 5 vehicle movements in each of the AM and PM Peak periods and a total of 77 movements across the day. The TRICS data is included as [Appendix 3](#) to this Statement.

The site also operated an apple juice and honey business where the residents would make their own apple juice, whilst the general public could come and purchase honey and juice, or they could bring their own apples which could be pressed on site to make juice.

Whilst this operation would have generated a considerable number of traffic movements it has not been quantified as no data is available to predict the likely impact.

5.2 Proposed Development

The proposed 25 dwellings will generate private residential trips, which are generally more dispersed across the day and weekends.

In order to establish the likely traffic impact that the proposed dwellings will generate, again, the TRICS database has been interrogated. In selecting suitable comparison sites, the following criteria has been used.

- Land Use – Residential – Houses – Privately Owned
- Number of Units - 8 to 73
- Date Range – 16/09/15 to 06/11/24
- Location – Edge of town and Suburban Area

Using the above, the table below shows the TRICS trip rates together with the likely traffic that a residential development of 25 units could generate.

TRICS Trip Rate for Privately Owned Houses			
	Arrivals	Departures	Two-way Total
AM Peak Hour	0.179	0.373	0.552
PM Peak Hour	0.337	0.167	0.504
Daily Traffic	2.460	2.481	4.941
Vehicle Trip Generation based on 25 Dwellings			
AM Peak Hour	5	9	14
PM Peak Hour	8	4	12
Daily Traffic	62	62	124

Based on the TRICS data, it can be seen that the proposed redevelopment has the potential to generate around 14 two-way vehicle movements in the AM peak, 12 two-way movements in the PM Peak periods and a total of 124 movements across the day. The TRICS data is included as [Appendix 4](#) to this Statement.

Whilst the development appears to result in an increase in traffic compared to the existing permitted use of the site, as mentioned above, the existing use forecast does not include traffic generated by the commercial Honey and Fruit Juice operation.

Notwithstanding this, the increase in traffic in the peak periods to fairly low and is not likely to result in any detrimental impact to the existing highway network.

7. Servicing

The largest service vehicle likely to be generated by the development would be an 11.2m long refuse freighter. Drawing numbered NJC-002 is included as [Appendix 5](#) to this Statement which demonstrates the ability of such a vehicle entering the site and driving to the northern extremity where it can turn and egress the site.

8. Planning Policy Compliance

8.1 Arun District Council Policy T SP1

Policy T SP1 seeks to ensure development is located and designed to minimise the need to travel and promote sustainable transport modes. The proposal complies with this policy by:

- Re-using an existing developed site
- Providing appropriate pedestrian, cycle, and public transport accessibility
- Offering sufficient on-site parking to avoid overspill onto the public highway

8.2 Arun District Council Policy T DM 1

Policy T DM 1 requires that development proposals are safe, suitable, and do not result in unacceptable impacts on highway safety or capacity. The proposal complies as:

- Access is taken from an existing, established junction
- Parking provision meets or exceeds adopted standards
- The development will not materially increase traffic levels on Eastergate Lane

8.3 Arun Parking Standards SPD

The proposed parking provision fully accords with the Arun Parking Standards SPD, providing an appropriate level of residential, visitor, and disabled parking in line with the dwelling mix and location.

8.4 National Planning Policy Framework (NPPF)

The proposal is consistent with the NPPF, which states that development should only be refused on transport grounds where the residual cumulative impacts are severe. In this case:

- The proposal represents a sustainable re-use of an existing site
- Traffic generation will not be to a detrimental level

- No severe impact on the highway network is anticipated

9. Summary and Conclusions

- The site benefits from an established and safe access onto Eastergate Lane
- The surrounding highway network is suitable to accommodate the proposed development
- Parking provision accords with Arun District Council standards
- The development complies with Policies T SP1, T DM 1, the Arun Parking Standards SPD, and the NPPF
- No material highway safety or capacity concerns arise from the proposal

It is therefore concluded that the proposed conversion of the existing care home to 25 dwellings is acceptable in transport and highway terms.

Appendix 1

Traffic Survey Data

Walburton - ATC 1 - Watergate Lane

Produced by Streetwise Services Ltd.



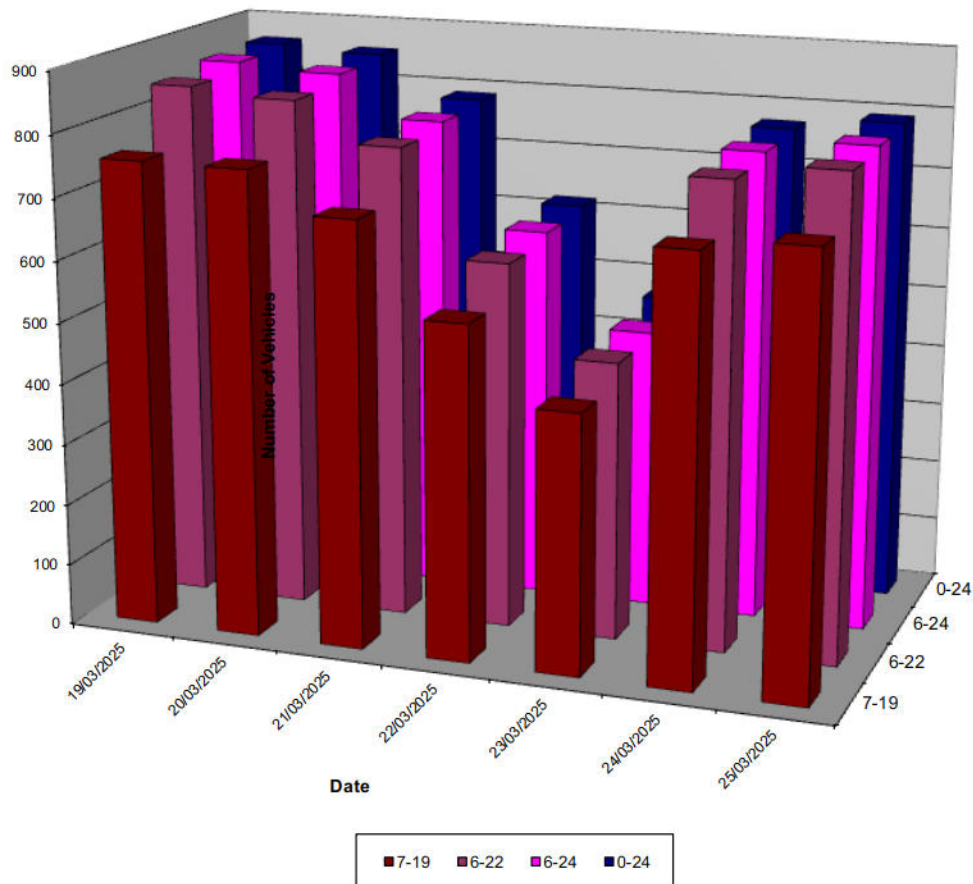
Channel - Eastbound

Vehicle Flow

Hour	Min	19/03/2025 Wednesday	20/03/2025 Thursday	21/03/2025 Friday	22/03/2025 Saturday	23/03/2025 Sunday	24/03/2025 Monday	25/03/2025 Tuesday	5 Day Ave	7 Day Ave
0	0	2	1	1	1	1	1	0	1	1
1	0	1	0	1	2	3	0	0	1	2
2	0	0	1	0	0	3	0	0	1	2
3	0	0	0	0	0	2	0	0	-	2
4	0	0	0	2	0	1	2	1	2	2
5	0	2	4	3	5	4	3	4	3	4
6	0	35	28	28	12	9	31	29	30	25
7	0	59	63	62	15	16	70	68	64	50
8	0	91	101	75	26	17	85	96	90	70
9	0	45	58	53	50	30	41	51	50	47
10	0	47	55	43	57	43	56	33	47	48
11	0	51	56	45	60	50	45	32	46	48
12	0	63	52	43	55	49	42	49	50	50
13	0	50	51	44	64	48	49	59	51	52
14	0	86	68	66	69	35	75	66	72	66
15	0	78	75	75	38	40	75	75	76	65
16	0	91	69	71	36	35	66	76	75	63
17	0	53	69	73	40	25	54	62	62	54
18	0	42	38	40	33	33	26	36	36	35
19	0	30	30	26	22	9	13	27	25	22
20	0	10	10	12	10	8	16	13	12	11
21	0	14	10	13	10	6	11	8	11	10
22	0	9	7	6	7	4	9	4	7	7
23	0	4	8	5	6	1	1	2	4	4

Hour	7-19	756	755	690	543	421	684	703	718	650
Ranges:	6-22	845	833	769	597	453	755	780	796	719
	6-24	858	848	780	610	458	765	786	807	729
	0-24	863	854	787	618	472	771	791	813	737

Vehicle Flow (Channel 1)

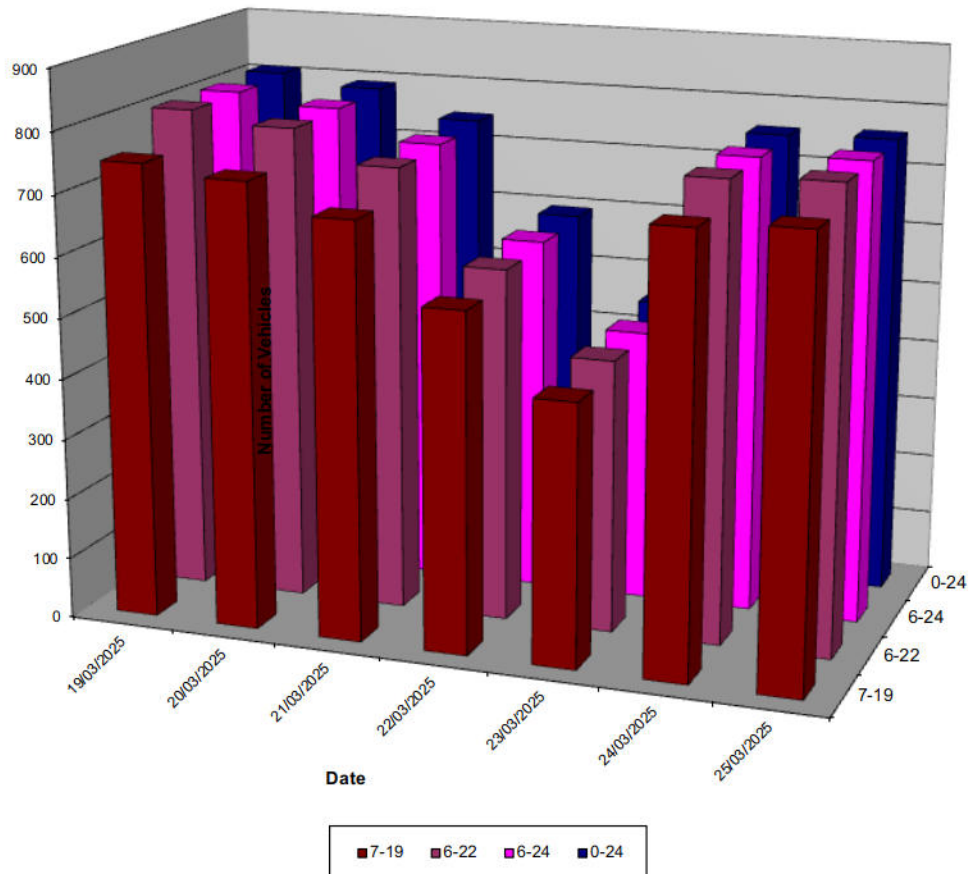


Channel - Westbound

Vehicle Flow

Hour	Min	19/03/2025 Wednesday	20/03/2025 Thursday	21/03/2025 Friday	22/03/2025 Saturday	23/03/2025 Sunday	24/03/2025 Monday	25/03/2025 Tuesday	5 Day Ave	7 Day Ave
0	0	1	0	1	0	0	1	0	1	1
1	0	0	1	1	3	3	0	0	1	2
2	0	0	0	1	1	1	0	0	1	1
3	0	0	2	0	0	1	0	0	2	2
4	0	1	0	1	0	0	0	0	1	1
5	0	3	2	5	3	2	3	2	3	3
6	0	20	22	20	7	7	19	13	19	15
7	0	43	45	45	21	18	46	50	46	38
8	0	61	85	62	41	17	70	67	69	58
9	0	48	47	52	43	36	63	59	54	50
10	0	44	57	49	56	39	50	43	49	48
11	0	64	51	53	67	59	51	46	53	56
12	0	53	58	57	56	46	51	52	54	53
13	0	58	59	53	43	48	53	52	55	52
14	0	68	56	51	41	40	64	63	60	55
15	0	100	90	83	50	43	88	90	90	78
16	0	83	86	67	54	29	73	68	75	66
17	0	52	42	55	36	18	49	65	53	45
18	0	51	33	37	31	20	27	49	39	35
19	0	23	23	20	18	17	27	19	22	21
20	0	23	15	12	6	2	14	12	15	12
21	0	12	11	12	7	8	4	7	9	9
22	0	0	4	4	4	2	2	3	3	3
23	0	1	3	6	7	1	1	0	3	3
Hour Ranges:										
7-19		748	732	684	557	430	712	723	720	655
6-22		803	784	732	581	449	751	758	766	694
6-24		804	767	738	588	450	752	758	768	697
0-24		809	792	747	595	457	756	760	773	702

Vehicle Flow (Channel 2)



Walburton - ATC 1 - Watergate Lane

Produced by Streetwise Services Ltd.



Channel - Eastbound

Average Speed

Hour	Min	19/03/2025 Wednesday	20/03/2025 Thursday	21/03/2025 Friday	22/03/2025 Saturday	23/03/2025 Sunday	24/03/2025 Monday	25/03/2025 Tuesday
0	0	26.9	26.5	33.5	28.2	33.1	32.5	-
1	0	32.4	-	45.5	30.5	26.6	-	-
2	0	-	22.7	-	-	34.7	-	-
3	0	-	-	-	-	34.2	-	-
4	0	-	-	24.1	-	30.9	29.7	25.8
5	0	29.7	27.1	34.6	30.4	28.7	34.8	33.1
6	0	32.0	34.1	31.8	31.9	28.0	32.9	32.7
7	0	31.1	31.5	30.9	29.5	29.0	31.3	30.8
8	0	30.8	31.0	31.4	30.4	30.7	31.1	31.0
9	0	29.3	30.7	30.2	29.5	30.8	28.5	30.1
10	0	25.4	31.0	27.9	29.3	30.7	28.4	30.7
11	0	29.0	30.0	29.9	29.2	27.8	28.3	29.1
12	0	28.0	30.1	28.6	27.6	29.3	28.5	29.3
13	0	30.2	28.8	29.7	29.2	29.5	29.1	29.6
14	0	30.3	30.7	30.8	28.0	27.9	29.4	30.9
15	0	29.8	31.1	29.2	28.3	29.7	29.8	29.3
16	0	29.2	30.7	31.4	30.6	30.2	30.2	30.1
17	0	30.3	30.8	30.5	30.2	30.2	29.6	31.3
18	0	29.2	30.8	30.6	29.5	30.3	31.0	31.8
19	0	31.0	31.3	29.0	30.5	29.1	31.7	31.6
20	0	33.3	31.1	27.7	32.7	31.7	31.8	30.1
21	0	34.8	31.9	31.1	33.7	29.6	33.0	29.3
22	0	33.1	31.7	28.4	32.8	36.2	33.7	33.9
23	0	34.8	30.1	32.2	32.5	29.0	27.5	31.4
Hour	10-12	27.3	30.5	28.9	29.3	29.1	28.4	29.9
Ranges:	14-16	30.1	30.9	29.9	28.1	28.8	29.6	30.1
	0-24	29.9	30.8	30.2	29.4	29.7	30.0	30.5

7 Day Ave 30.1

Channel - Eastbound

85th Percentile

Hour	Min	19/03/2025 Wednesday	20/03/2025 Thursday	21/03/2025 Friday	22/03/2025 Saturday	23/03/2025 Sunday	24/03/2025 Monday	25/03/2025 Tuesday
0	0	27.6	26.5	33.5	28.2	33.1	32.5	-
1	0	32.4	-	45.5	32.6	30.0	-	-
2	0	-	22.7	-	-	39.0	-	-
3	0	-	-	-	-	34.7	-	-
4	0	-	-	26.5	-	30.9	30.7	25.8
5	0	30.5	30.5	38.1	38.2	30.7	39.0	36.6
6	0	35.9	38.0	37.5	35.3	36.3	39.4	37.9
7	0	36.2	36.3	34.4	32.2	30.4	35.0	34.1
8	0	34.8	35.4	35.4	34.3	33.0	35.9	36.1
9	0	35.3	35.5	34.1	33.6	37.4	34.0	35.2
10	0	32.7	35.3	32.5	32.7	33.6	32.7	35.0
11	0	33.3	33.8	35.4	34.1	31.5	33.5	33.7
12	0	33.3	34.3	33.5	32.2	32.8	31.8	32.7
13	0	34.5	33.6	34.0	33.9	33.2	32.2	34.6
14	0	34.2	34.4	34.3	32.3	32.5	33.9	34.7
15	0	34.2	33.8	33.5	33.3	33.5	33.2	34.6
16	0	33.6	35.2	34.8	34.4	34.9	35.8	33.1
17	0	35.4	35.0	34.3	35.5	34.5	33.6	34.8
18	0	33.8	35.9	35.4	34.3	33.9	34.8	35.9
19	0	34.5	34.1	35.9	35.0	32.5	33.0	36.2
20	0	36.8	35.7	31.5	39.6	37.2	34.2	34.9
21	0	43.8	37.0	37.5	37.3	34.2	36.3	34.7
22	0	37.2	36.4	31.9	36.6	41.0	41.3	37.8
23	0	41.1	34.0	38.9	38.6	29.0	27.5	31.6
Hour	10-12	32.8	34.6	33.7	33.2	32.4	32.9	34.5
Ranges:	14-16	34.2	34.2	33.9	32.8	32.8	33.7	34.6
	0-24	34.5	35.2	34.7	34.4	34.1	34.5	35.1

7 Day Ave 34.7

Channel - Westbound

Average Speed

Hour	Min	19/03/2025 Wednesday	20/03/2025 Thursday	21/03/2025 Friday	22/03/2025 Saturday	23/03/2025 Sunday	24/03/2025 Monday	25/03/2025 Tuesday
0	0	45.2	-	38.3	-	-	31.9	-
1	0	-	26.6	37.9	31.3	18.0	-	-
2	0	-	-	49.3	28.2	29.6	-	-
3	0	-	37.2	-	-	41.7	-	-
4	0	35.7	-	28.8	-	-	-	-
5	0	33.4	33.2	30.5	29.2	24.8	31.9	34.4
6	0	28.5	28.1	29.0	34.6	30.7	29.5	29.0
7	0	31.3	30.8	32.0	31.3	29.6	31.4	31.0
8	0	32.4	30.7	30.4	30.8	29.1	30.4	31.0
9	0	28.1	29.0	29.9	30.6	29.9	30.5	30.0
10	0	25.8	29.2	29.4	29.6	28.6	28.9	28.7
11	0	26.9	28.7	28.4	29.1	29.4	27.5	27.8
12	0	28.6	28.7	29.7	28.6	28.6	31.3	28.9
13	0	29.5	29.0	29.2	29.2	29.0	30.3	30.2
14	0	29.7	30.8	30.8	28.1	27.6	28.9	29.8
15	0	30.3	30.4	29.8	29.4	29.0	30.8	29.6
16	0	30.2	30.5	30.3	29.0	30.0	31.1	31.3
17	0	30.9	30.7	30.9	30.9	30.6	29.9	30.7
18	0	29.1	32.3	29.8	32.2	29.2	31.6	30.7
19	0	30.5	29.9	27.1	30.9	30.2	31.3	32.7
20	0	30.4	31.1	25.0	30.7	28.8	31.0	31.5
21	0	34.6	31.5	25.4	34.4	30.4	34.4	32.3
22	0	-	28.5	31.1	33.0	22.6	33.8	33.6
23	0	42.8	24.2	29.9	30.5	42.5	41.1	-

Hour	10-12	26.4	28.9	28.9	29.3	29.1	28.2	28.2
Ranges:	14-16	30.1	30.5	30.2	28.8	28.3	30.0	29.7
	0-24	29.7	30.0	29.8	29.9	29.1	30.3	30.2

7 Day Ave 29.9

Channel - Westbound

85th Percentile

Hour	Min	19/03/2025 Wednesday	20/03/2025 Thursday	21/03/2025 Friday	22/03/2025 Saturday	23/03/2025 Sunday	24/03/2025 Monday	25/03/2025 Tuesday
0	0	45.2	-	38.3	-	-	31.9	-
1	0	-	26.6	37.9	36.7	25.3	-	-
2	0	-	-	49.3	28.2	29.6	-	-
3	0	-	42.1	-	-	41.7	-	-
4	0	35.7	-	28.8	-	-	-	-
5	0	36.6	33.3	35.3	31.2	26.5	38.8	35.4
6	0	35.1	35.3	37.1	43.5	33.2	32.9	36.6
7	0	35.7	34.3	35.7	38.7	34.3	35.1	34.9
8	0	35.6	36.4	34.9	34.3	31.9	36.1	35.0
9	0	34.1	32.8	34.1	35.4	33.1	35.0	34.1
10	0	30.6	34.6	33.5	33.8	34.2	33.9	33.2
11	0	33.8	33.9	33.7	34.1	33.5	33.7	31.8
12	0	33.3	32.9	35.0	33.3	33.5	35.1	33.3
13	0	33.8	33.3	35.1	34.2	32.6	33.7	35.4
14	0	33.5	35.3	35.1	34.3	33.7	33.0	34.4
15	0	34.7	34.9	35.2	35.2	32.0	33.6	33.9
16	0	34.8	34.8	34.0	33.3	35.9	35.9	36.4
17	0	36.0	35.5	34.8	37.2	35.3	34.5	36.2
18	0	32.9	38.9	33.2	37.4	33.7	34.4	36.1
19	0	37.7	34.9	31.1	37.3	34.8	35.3	37.9
20	0	37.3	37.8	31.0	34.1	29.0	35.9	37.8
21	0	41.8	35.5	31.5	37.7	36.3	38.1	36.4
22	0	-	33.6	38.4	37.2	28.1	34.4	34.9
23	0	42.8	28.3	33.5	37.2	42.5	41.1	-

Hour	10-12	32.6	34.5	33.7	34.0	33.9	33.8	32.6
Ranges:	14-16	34.5	35.1	35.1	34.4	33.6	33.4	34.4
	0-24	34.9	34.6	34.9	35.5	33.6	34.9	35.0

7 Day Ave 34.9

Appendix 2

Access and Visibility



Client		
		
Project		
RESIDENTIAL DEVELOPMENT AT FREEMANS CLOSE		
Drawing Title		
ACCESS AND VISIBILITY		
Drawing Status		
FOR INFORMATION		
Date	Scale	Size
DEC 2025	1:200	A1
Drawing No.	Rev	
NJC-001	-	

Appendix 3

Care Facility TRICS Data

Audit Code: 8690d5d2-32fb-4f0c-ac91-3539b63a935e

TRIP RATE CALCULATION SELECTION PARAMETERS: Land Use: 05 -

HEALTH

Category: F - CARE HOME

Selected Vehicle Type: Total Vehicles

Selected regions and areas:			
02	SOUTH EAST		
	SP	SOUTHAMPTON	1 day
04	EAST ANGLIA		
	SF	SUFFOLK	1 day
05	EAST MIDLANDS		
	LN	LINCOLNSHIRE	1 day
	NN	NORTH NORTHAMPTONSHIRE	1 day
06	WEST MIDLANDS		
	WM	WEST MIDLANDS	1 day
07	YORKSHIRE & NORTH LINCOLNSHIRE		
	NY	NORTH YORKSHIRE	1 day
08	NORTH WEST		
	BP	BLACKPOOL	1 day
	GM	GREATER MANCHESTER	1 day
	MS	MERSEYSIDE	1 day
11	SCOTLAND		
	FA	FALKIRK	1 day
12	CONNAUGHT		
	CS	SLIGO	1 day

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

Audit Code: 8690d5d2-32fb-4f0c-ac91-3539b63a935e**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:	RESIDE
Actual Range:	17 to 99 (units:RESIDE)
Range Selected by User:	17 to 99 (units:RESIDE)
Parking Spaces Range:	3 - 110

Public Transport Provision:

Selection by:	All Surveys Included
Date Range:	30/07/96 to 22/04/25

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:

Friday	2 days
Monday	3 days
Sunday	2 days
Tuesday	2 days
Wednesday	2 days

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

Selected survey types:

Manual count	11
Direction ATC Count	0

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 undertaken using machines

Selected Locations:

Edge of Town	9 days
Neighbourhood Centre	2 days

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:

No Sub Category	2 days
Residential Zone	8 days
Village	1 days

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 Vehicle Counts:

Servicing vehicles Included	4 days
Servicing vehicles Unknown	7 days

Audit Code: 8690d5d2-32fb-4f0c-ac91-3539b63a935e

Secondary Filtering Selection:

Use Class:

C2	11 surveys
----	------------

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:

400 - 4300

Population within 1 mile:

1,000 or Less	1 surveys
10,001 to 15,000	2 surveys
15,001 to 20,000	1 surveys
25,001 to 50,000	3 surveys
5,001 to 10,000	4 surveys

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

Population within 5 miles:

125,001 to 250,000	3 surveys
25,001 to 50,000	2 surveys
250,001 to 500,000	3 surveys
5,001 to 25,000	2 surveys
75,001 to 100,000	1 surveys

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

Car ownership within 5 miles:

0.6 to 1.0	3 surveys
1.1 to 1.5	8 surveys

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.

Audit Code: 8690d5d2-32fb-4f0c-ac91-3539b63a935e

Petrol filling station:

This data displays the number of surveys within the selected set that include petrol filling station activity, and the number of surveys that do not.

Travel Plan:

No 11 surveys

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 11 surveys

This data displays the number of surveys within the selected set that include petrol filling station activity, and the number of surveys that do not.

COVID-19 Restrictions:

No

Audit Code: 8690d5d2-32fb-4f0c-ac91-3539b63a935e

LIST OF SITES relevant to selection parameters:

Site 1:	BP-05-F-01	Number of residents:	31 RESIDE
Development Name:	NURSING HOME	*****;	31 *****
Location:	BLACKPOOL	Parking Spaces:	10.00
Postcode:	FY4 1RG	Survey Date:	27/09/2016
Main Location Type:	Edge of Town	Survey Day:	Tuesday
Sub Location Type:	Residential Zone		
PTAL:	n/a		
Site 2:	CS-05-F-01	Number of residents:	99 RESIDE
Development Name:	NURSING HOME	*****;	99 *****
Location:	SLIGO	Parking Spaces:	68.00
Postcode:		Survey Date:	27/04/2015
Main Location Type:	Edge of Town	Survey Day:	Monday
Sub Location Type:	Residential Zone		
PTAL:	n/a		
Site 3:	FA-05-F-01	Number of residents:	56 RESIDE
Development Name:	NURSING HOME	*****;	56 *****
Location:	FALKIRK	Parking Spaces:	17.00
Postcode:	FK1 4QF	Survey Date:	20/04/2022
Main Location Type:	Neighbourhood Centre	Survey Day:	Wednesday
Sub Location Type:	Residential Zone		
PTAL:	n/a		
Site 4:	GM-05-F-03	Number of residents:	30 RESIDE
Development Name:	NURSING HOME	*****;	30 *****
Location:	ROCHDALE	Parking Spaces:	15.00
Postcode:	OL12 9QU	Survey Date:	29/05/2013
Main Location Type:	Edge of Town	Survey Day:	Wednesday
Sub Location Type:	Residential Zone		
PTAL:	n/a		
Site 5:	LN-05-F-02	Number of residents:	86 RESIDE
Development Name:	CARE HOME	*****;	86 *****
Location:	LOUTH	Parking Spaces:	43.00
Postcode:	LN11 0DE	Survey Date:	
Main Location Type:	Edge of Town	Survey Day:	
Sub Location Type:	Residential Zone		
PTAL:	n/a		
Site 6:	MS-05-F-01	Number of residents:	50 RESIDE
Development Name:	NURSING HOME	*****;	50 *****
Location:	NEAR SAINT HELENS	Parking Spaces:	34.00
Postcode:	WA11 8DA	Survey Date:	15/09/2023
Main Location Type:	Neighbourhood Centre	Survey Day:	Friday
Sub Location Type:	Village		
PTAL:	n/a		
Site 7:	NN-05-F-01	Number of residents:	60 RESIDE
Development Name:	NURSING HOME	*****;	60 *****
Location:	KETTERING	Parking Spaces:	26.00
Postcode:	NN16 9FW	Survey Date:	13/06/2022
Main Location Type:	Edge of Town	Survey Day:	Monday
Sub Location Type:	No Sub Category		
PTAL:	n/a		
Site 8:	NY-05-F-05	Number of residents:	37 RESIDE
Development Name:	NURSING HOME	*****;	37 *****
Location:	RICHMOND	Parking Spaces:	15.00
Postcode:	DL10 4UB	Survey Date:	04/03/2019
Main Location Type:	Edge of Town	Survey Day:	Monday
Sub Location Type:	Residential Zone		
PTAL:	n/a		

Audit Code: 8690d5d2-32fb-4f0c-ac91-3539b63a935e

Site 9:	SF-05-F-01	Number of residents:	17 RESIDE
Development Name:	CARE HOME	*****;	17 *****
Location:	IPSWICH	Parking Spaces:	6.00
Postcode:	IP4 4QN	Survey Date:	18/09/2015
Main Location Type:	Edge of Town	Survey Day:	Friday
Sub Location Type:	Residential Zone		
PTAL:	n/a		
Site 10:	SP-05-F-01	Number of residents:	42 RESIDE
Development Name:	CARE HOME	*****;	42 *****
Location:	SOUTHAMPTON	Parking Spaces:	29.00
Postcode:	SO30 3RS	Survey Date:	24/11/2015
Main Location Type:	Edge of Town	Survey Day:	Tuesday
Sub Location Type:	No Sub Category		
PTAL:	n/a		
Site 11:	WM-05-F-01	Number of residents:	65 RESIDE
Development Name:	NURSING HOME	*****;	65 *****
Location:	BIRMINGHAM	Parking Spaces:	17.00
Postcode:	B38 8JU	Survey Date:	
Main Location Type:	Edge of Town	Survey Day:	
Sub Location Type:	Residential Zone		
PTAL:	n/a		

Audit Code: 8690d5d2-32fb-4f0c-ac91-3539b63a935e

TRIP RATE for Land Use 05 - HEALTH/F - CARE HOME

Total Vehicles

Calculation factor: 1 RESIDE

*BOLD print indicates peak (busiest) period

Period	Trips per 1 RESIDE RESIDE		
	Inbound	Outbound	Total
08:00-09:00	0.072	0.066	0.138
17:00-18:00	0.056	0.079	0.135

Time Range	No. Days	Ave. RESIDE	Arrivals	Departures	Totals
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	11	52	0.117	0.031	0.148
08:00-09:00	11	52	0.072	0.066	0.138
09:00-10:00	11	52	0.087	0.051	0.138
10:00-11:00	11	52	0.096	0.065	0.161
11:00-12:00	11	52	0.084	0.098	0.182
12:00-13:00	11	52	0.058	0.087	0.145
13:00-14:00	11	52	0.129	0.096	0.225
14:00-15:00	11	52	0.131	0.162	0.293
15:00-16:00	11	52	0.117	0.141	0.258
16:00-17:00	11	52	0.058	0.108	0.166
17:00-18:00	11	52	0.056	0.079	0.135
18:00-19:00	11	52	0.061	0.073	0.134
19:00-20:00	10	47	0.049	0.059	0.108
20:00-21:00	10	47	0.034	0.051	0.085
21:00-22:00					
22:00-23:00					
23:00-00:00					
Total Rates:			1.149	1.167	2.316

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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Audit Code: 8690d5d2-32fb-4f0c-ac91-3539b63a935e

Parameter Summary:

Trip rate parameter range selected:	17 - 99 (units: RESIDE)
Survey date date range:	29/05/2013 - 21/04/2024
Number of weekdays (Monday-Friday):	9
Number of Saturdays:	0
Number of Sundays:	2
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 shown. Finally, the number of survey days that have been manually removed from the selected set outside of the standard filtering procedure are displayed.

Appendix 4

Residential TRICS Data

Audit Code: 0fef7e2b-d206-4e7b-8545-37a2fb550ac9

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use: 03 - RESIDENTIAL

Category: A - HOUSES PRIVATELY OWNED

Selected Vehicle Type: Total Vehicles

Selected regions and areas:

02	SOUTH EAST		
	CT	CENTRAL BEDFORDSHIRE	1 day
	ES	EAST SUSSEX	3 days
	HC	HAMPSHIRE	4 days
	HF	HERTFORDSHIRE	1 day
	SC	SURREY	1 day
03	SOUTH WEST		
	DC	DORSET	2 days
	SM	SOMERSET	1 day
04	EAST ANGLIA		
	NF	NORFOLK	5 days
	SF	SUFFOLK	2 days
05	EAST MIDLANDS		
	NT	NOTTINGHAMSHIRE	1 day
06	WEST MIDLANDS		
	ST	STAFFORDSHIRE	1 day
07	YORKSHIRE & NORTH LINCOLNSHIRE		
	NY	NORTH YORKSHIRE	1 day
08	NORTH WEST		
	LC	LANCASHIRE	1 day
09	NORTH		
	DH	DURHAM	1 day
10	WALES		
	VG	VALE OF GLAMORGAN	1 day

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

Audit Code: 0fef7e2b-d206-4e7b-8545-37a2fb550ac9

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:	DWELLS
Actual Range:	8 to 73 (units:DWELLS)
Range Selected by User:	4 to 4334 (units:DWELLS)
Parking Spaces Range:	6 - 2824

Public Transport Provision:	
Selection by:	All Surveys Included
Date Range:	05/05/87 to 30/06/25

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:	
Friday	4 days
Monday	5 days
Thursday	2 days
Tuesday	4 days
Wednesday	11 days

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

Selected survey types:	
Manual count	25
Direction ATC Count	1

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 undertaken using machines

Selected Locations:	
Edge of Town	26 days

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:	
No Sub Category	1 days
Residential Zone	25 days

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 Vehicle Counts:	
Servicing vehicles Excluded	1 days
Servicing vehicles Included	5 days
Servicing vehicles Unknown	20 days

Audit Code: 0fef7e2b-d206-4e7b-8545-37a2fb550ac9

Secondary Filtering Selection:

Use Class:

C3	26 surveys
----	------------

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:

750 - 3900

Population within 1 mile:

1,001 to 5,000	2 surveys
10,001 to 15,000	11 surveys
15,001 to 20,000	3 surveys
20,001 to 25,000	4 surveys
5,001 to 10,000	6 surveys

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

Population within 5 miles:

125,001 to 250,000	11 surveys
25,001 to 50,000	6 surveys
5,001 to 25,000	3 surveys
50,001 to 75,000	4 surveys
75,001 to 100,000	2 surveys

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

Car ownership within 5 miles:

0.6 to 1.0	10 surveys
1.1 to 1.5	15 surveys
1.6 to 2.0	1 surveys

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.

Audit Code: 0fef7e2b-d206-4e7b-8545-37a2fb550ac9

Petrol filling station:

This data displays the number of surveys within the selected set that include petrol filling station activity, and the number of surveys that do not.

Travel Plan:

No	13 surveys
Yes	13 surveys

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	26 surveys
-----------------	------------

This data displays the number of surveys within the selected set that include petrol filling station activity, and the number of surveys that do not.

COVID-19 Restrictions:

No

Audit Code: 0fef7e2b-d206-4e7b-8545-37a2fb550ac9

LIST OF SITES relevant to selection parameters:

Site 1:	CT-03-A-03	Site area:	3.690000057220459 hect
Development Name:	MIXED HOUSES	Number of dwellings:	73 DWELLS
Location:	STOTFOLD	Housing density:	24.91
Postcode:	SG5 4TB	Total Bedrooms:	231.00
Main Location Type:	Edge of Town	Survey Date:	27/06/2023
Sub Location Type:	Residential Zone	Survey Day:	Tuesday
PTAL:	n/a		
Site 2:	DC-03-A-09	Site area:	1.649999976158142 hect
Development Name:	MIXED HOUSES	Number of dwellings:	50 DWELLS
Location:	SHAFTESBURY	Housing density:	31.06
Postcode:	SP7 8TU	Total Bedrooms:	166.00
Main Location Type:	Edge of Town	Survey Date:	19/11/2021
Sub Location Type:	No Sub Category	Survey Day:	Friday
PTAL:	n/a		
Site 3:	DC-03-A-10	Site area:	1.399999976158142 hect
Development Name:	MIXED HOUSES	Number of dwellings:	26 DWELLS
Location:	GILLINGHAM	Housing density:	20.80
Postcode:	SP8 4JS	Total Bedrooms:	77.00
Main Location Type:	Edge of Town	Survey Date:	09/11/2022
Sub Location Type:	Residential Zone	Survey Day:	Wednesday
PTAL:	n/a		
Site 4:	DH-03-A-03	Site area:	5.603000164031982 hect
Development Name:	SEMI-DETACHED & TERRACED	Number of dwellings:	57 DWELLS
Location:	DURHAM	Housing density:	10.96
Postcode:	DH1 1HD	Total Bedrooms:	169.00
Main Location Type:	Edge of Town	Survey Date:	19/10/2018
Sub Location Type:	Residential Zone	Survey Day:	Friday
PTAL:	n/a		
Site 5:	ES-03-A-09	Site area:	1.5 hect
Development Name:	DETACHED & SEMI-DETACHED	Number of dwellings:	47 DWELLS
Location:	NEWHAVEN	Housing density:	36.15
Postcode:	BN9 9FF	Total Bedrooms:	143.00
Main Location Type:	Edge of Town	Survey Date:	13/03/2023
Sub Location Type:	Residential Zone	Survey Day:	Monday
PTAL:	n/a		
Site 6:	ES-03-A-13	Site area:	1.7000000476837158 hect
Development Name:	DETACHED HOUSES	Number of dwellings:	36 DWELLS
Location:	HEATHFIELD	Housing density:	23.84
Postcode:	TN21 0UW	Total Bedrooms:	135.00
Main Location Type:	Edge of Town	Survey Date:	18/03/2024
Sub Location Type:	Residential Zone	Survey Day:	Monday
PTAL:	n/a		
Site 7:	ES-03-A-20	Site area:	0.51 hect
Development Name:	DETACHED & SEMI-DETACHED	Number of dwellings:	13 DWELLS
Location:	HAILSHAM	Housing density:	39.39
Postcode:	BN27 4EW	Total Bedrooms:	41.00
Main Location Type:	Edge of Town	Survey Date:	06/11/2024
Sub Location Type:	Residential Zone	Survey Day:	Wednesday
PTAL:	n/a		
Site 8:	HC-03-A-21	Site area:	1.2000000476837158 hect
Development Name:	TERRACED & SEMI-DETACHED	Number of dwellings:	39 DWELLS
Location:	BASINGSTOKE	Housing density:	56.52
Postcode:	RG24 9AF	Total Bedrooms:	134.00
Main Location Type:	Edge of Town	Survey Date:	13/11/2018
Sub Location Type:	Residential Zone	Survey Day:	Tuesday
PTAL:	n/a		

Audit Code: 0fef7e2b-d206-4e7b-8545-37a2fb550ac9

Site 9:	HC-03-A-22	Site area:	1.690000057220459 hect
Development Name:	MIXED HOUSES	Number of dwellings:	40 DWELLS
Location:	NEAR EASTLEIGH	Housing density:	32.26
Postcode:	SO50 6JL	Total Bedrooms:	114.00
Main Location Type:	Edge of Town	Survey Date:	31/10/2018
Sub Location Type:	Residential Zone	Survey Day:	Wednesday
PTAL:	n/a		
Site 10:	HC-03-A-31	Site area:	2.1700000762939453 hect
Development Name:	MIXED HOUSES & FLATS	Number of dwellings:	44 DWELLS
Location:	LIPHOOK	Housing density:	35.20
Postcode:	GU30 7WU	Total Bedrooms:	125.00
Main Location Type:	Edge of Town	Survey Date:	07/10/2022
Sub Location Type:	Residential Zone	Survey Day:	Friday
PTAL:	n/a		
Site 11:	HC-03-A-37	Site area:	3.46 hect
Development Name:	MIXED HOUSES	Number of dwellings:	50 DWELLS
Location:	FLEET	Housing density:	37.04
Postcode:	GU52 0AF	Total Bedrooms:	143.00
Main Location Type:	Edge of Town	Survey Date:	27/03/2024
Sub Location Type:	Residential Zone	Survey Day:	Wednesday
PTAL:	n/a		
Site 12:	HF-03-A-05	Site area:	0.1899999976158142 hect
Development Name:	TERRACED HOUSES	Number of dwellings:	8 DWELLS
Location:	WATFORD	Housing density:	44.44
Postcode:	WD19 7QY	Total Bedrooms:	24.00
Main Location Type:	Edge of Town	Survey Date:	05/06/2023
Sub Location Type:	Residential Zone	Survey Day:	Monday
PTAL:	n/a		
Site 13:	LC-03-A-31	Site area:	1.315999984741211 hect
Development Name:	DETACHED HOUSES	Number of dwellings:	32 DWELLS
Location:	PRESTON	Housing density:	30.25
Postcode:	PR4 0NL	Total Bedrooms:	113.00
Main Location Type:	Edge of Town	Survey Date:	17/11/2017
Sub Location Type:	Residential Zone	Survey Day:	Friday
PTAL:	n/a		
Site 14:	NF-03-A-03	Site area:	0.6299999952316284 hect
Development Name:	DETACHED HOUSES	Number of dwellings:	10 DWELLS
Location:	THETFORD	Housing density:	20.00
Postcode:	IP24 1EY	Total Bedrooms:	40.00
Main Location Type:	Edge of Town	Survey Date:	16/09/2015
Sub Location Type:	Residential Zone	Survey Day:	Wednesday
PTAL:	n/a		
Site 15:	NF-03-A-05	Site area:	1.5700000524520874 hect
Development Name:	MIXED HOUSES	Number of dwellings:	40 DWELLS
Location:	HOLT	Housing density:	26.32
Postcode:	NR25 6GA	Total Bedrooms:	116.00
Main Location Type:	Edge of Town	Survey Date:	19/09/2019
Sub Location Type:	Residential Zone	Survey Day:	Thursday
PTAL:	n/a		
Site 16:	NF-03-A-10	Site area:	0.699999988079071 hect
Development Name:	MIXED HOUSES & FLATS	Number of dwellings:	17 DWELLS
Location:	HUNSTANTON	Housing density:	30.91
Postcode:	PE36 5PS	Total Bedrooms:	41.00
Main Location Type:	Edge of Town	Survey Date:	12/09/2018
Sub Location Type:	Residential Zone	Survey Day:	Wednesday
PTAL:	n/a		

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Site 17:	NF-03-A-25	Site area:	3.0999999046325684 hect
Development Name:	MIXED HOUSES & FLATS	Number of dwellings:	55 DWELLS
Location:	GORLESTON-ON-SEA	Housing density:	26.70
Postcode:	NR31 9BG	Total Bedrooms:	171.00
Main Location Type:	Edge of Town	Survey Date:	21/09/2021
Sub Location Type:	Residential Zone	Survey Day:	Tuesday
PTAL:	n/a		
Site 18:	NF-03-A-37	Site area:	1.6399999856948853 hect
Development Name:	MIXED HOUSES	Number of dwellings:	44 DWELLS
Location:	DEREHAM	Housing density:	32.35
Postcode:	NR20 3TY	Total Bedrooms:	141.00
Main Location Type:	Edge of Town	Survey Date:	27/09/2022
Sub Location Type:	Residential Zone	Survey Day:	Tuesday
PTAL:	n/a		
Site 19:	NT-03-A-08	Site area:	1.6100000143051147 hect
Development Name:	DETACHED HOUSES	Number of dwellings:	36 DWELLS
Location:	HUCKNALL	Housing density:	22.36
Postcode:	NG15 8JN	Total Bedrooms:	144.00
Main Location Type:	Edge of Town	Survey Date:	18/10/2021
Sub Location Type:	Residential Zone	Survey Day:	Monday
PTAL:	n/a		
Site 20:	NY-03-A-14	Site area:	2.9000000953674316 hect
Development Name:	DETACHED & BUNGALOWS	Number of dwellings:	45 DWELLS
Location:	RIPON	Housing density:	18.75
Postcode:	HG4 1EJ	Total Bedrooms:	153.00
Main Location Type:	Edge of Town	Survey Date:	18/05/2022
Sub Location Type:	Residential Zone	Survey Day:	Wednesday
PTAL:	n/a		
Site 21:	SC-03-A-07	Site area:	2.799999952316284 hect
Development Name:	MIXED HOUSES	Number of dwellings:	41 DWELLS
Location:	FARNHAM	Housing density:	18.22
Postcode:	GU9 0AX	Total Bedrooms:	129.00
Main Location Type:	Edge of Town	Survey Date:	11/05/2022
Sub Location Type:	Residential Zone	Survey Day:	Wednesday
PTAL:	n/a		
Site 22:	SF-03-A-05	Site area:	1.149999976158142 hect
Development Name:	DETACHED HOUSES	Number of dwellings:	18 DWELLS
Location:	BURY ST EDMUNDS	Housing density:	18.95
Postcode:	IP33 2SN	Total Bedrooms:	78.00
Main Location Type:	Edge of Town	Survey Date:	09/09/2015
Sub Location Type:	Residential Zone	Survey Day:	Wednesday
PTAL:	n/a		
Site 23:	SF-03-A-11	Site area:	1.55 hect
Development Name:	BUNGALOWS	Number of dwellings:	44 DWELLS
Location:	IPSWICH	Housing density:	33.08
Postcode:	IP1 6LL	Total Bedrooms:	88.00
Main Location Type:	Edge of Town	Survey Date:	06/11/2024
Sub Location Type:	Residential Zone	Survey Day:	Wednesday
PTAL:	n/a		
Site 24:	SM-03-A-01	Site area:	1.399999976158142 hect
Development Name:	DETACHED & SEMI	Number of dwellings:	33 DWELLS
Location:	BRIDGWATER	Housing density:	27.97
Postcode:	TA6 7PL	Total Bedrooms:	107.00
Main Location Type:	Edge of Town	Survey Date:	24/09/2015
Sub Location Type:	Residential Zone	Survey Day:	Thursday
PTAL:	n/a		

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Site 25:	ST-03-A-08	Site area:	0.800000011920929 hect
Development Name:	DETACHED HOUSES	Number of dwellings:	26 DWELLS
Location:	STAFFORD	Housing density:	36.62
Postcode:	ST17 4JS	Total Bedrooms:	90.00
Main Location Type:	Edge of Town	Survey Date:	22/11/2017
Sub Location Type:	Residential Zone	Survey Day:	Wednesday
PTAL:	n/a		
Site 26:	VG-03-A-01	Site area:	0.20999999344348907 hect
Development Name:	SEMI-DETACHED & TERRACED	Number of dwellings:	12 DWELLS
Location:	BARRY	Housing density:	85.71
Postcode:	CF63 2RE	Total Bedrooms:	36.00
Main Location Type:	Edge of Town	Survey Date:	08/05/2017
Sub Location Type:	Residential Zone	Survey Day:	Monday
PTAL:	n/a		

Audit Code: 0fef7e2b-d206-4e7b-8545-37a2fb550ac9

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED

Total Vehicles

Calculation factor: 1 DWELLS

*BOLD print indicates peak (busiest) period

Period	Trips per 1 DWELLS DWELLS		
	Inbound	Outbound	Total
08:00-09:00	0.179	0.373	0.552
17:00-18:00	0.337	0.167	0.504

Time Range	No. Days	Ave. DWELLS	Arrivals	Departures	Totals
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	26	36	0.083	0.282	0.365
08:00-09:00	26	36	0.179	0.373	0.552
09:00-10:00	26	36	0.161	0.217	0.378
10:00-11:00	26	36	0.147	0.162	0.309
11:00-12:00	26	36	0.165	0.177	0.342
12:00-13:00	26	36	0.192	0.194	0.386
13:00-14:00	26	36	0.174	0.167	0.341
14:00-15:00	26	36	0.186	0.220	0.406
15:00-16:00	26	36	0.286	0.205	0.491
16:00-17:00	26	36	0.294	0.168	0.462
17:00-18:00	26	36	0.337	0.167	0.504
18:00-19:00	26	36	0.256	0.149	0.405
19:00-20:00					
20:00-21:00					
21:00-22:00					
22:00-23:00					
23:00-00:00					
Total Rates:			2.460	2.481	4.941

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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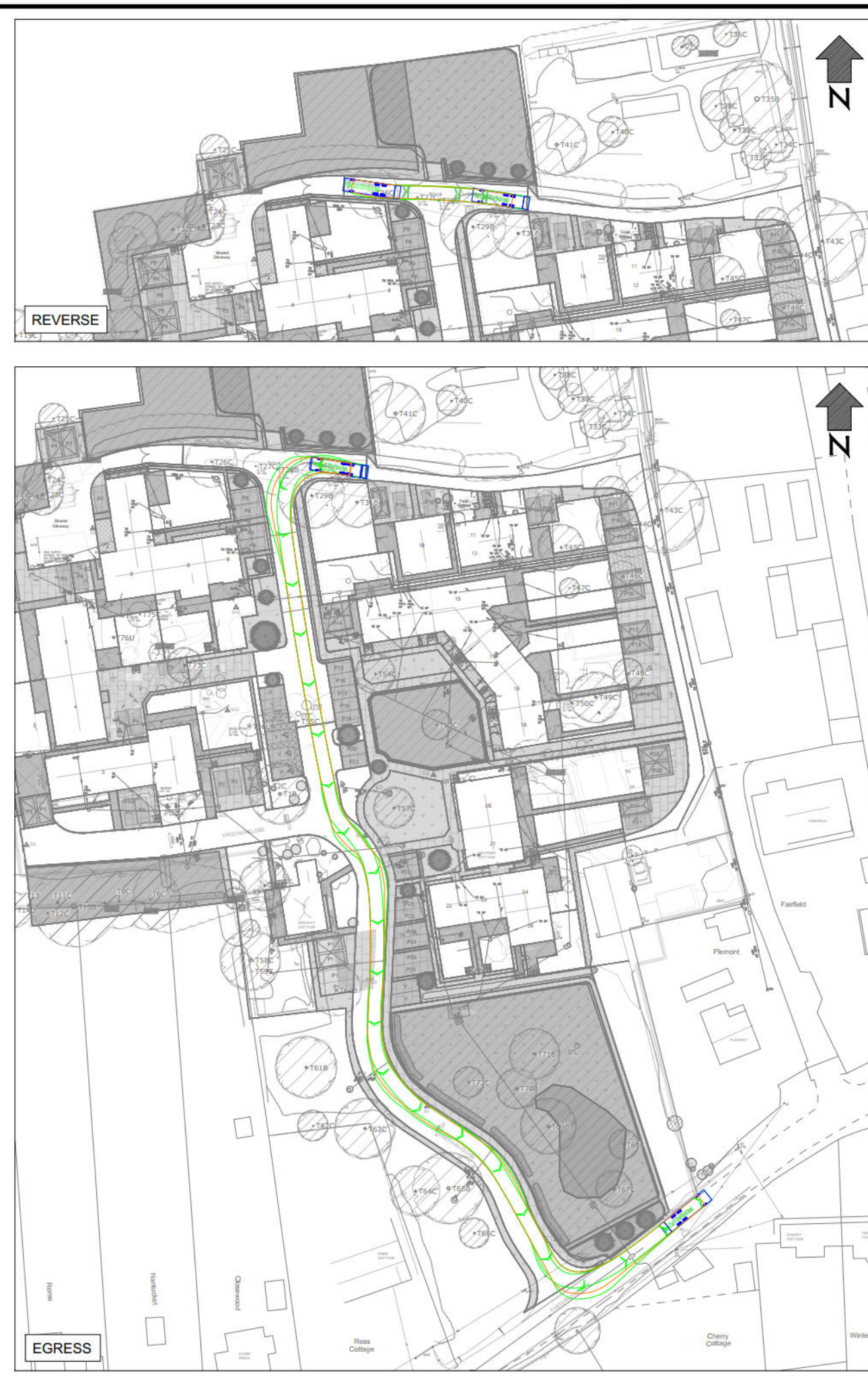
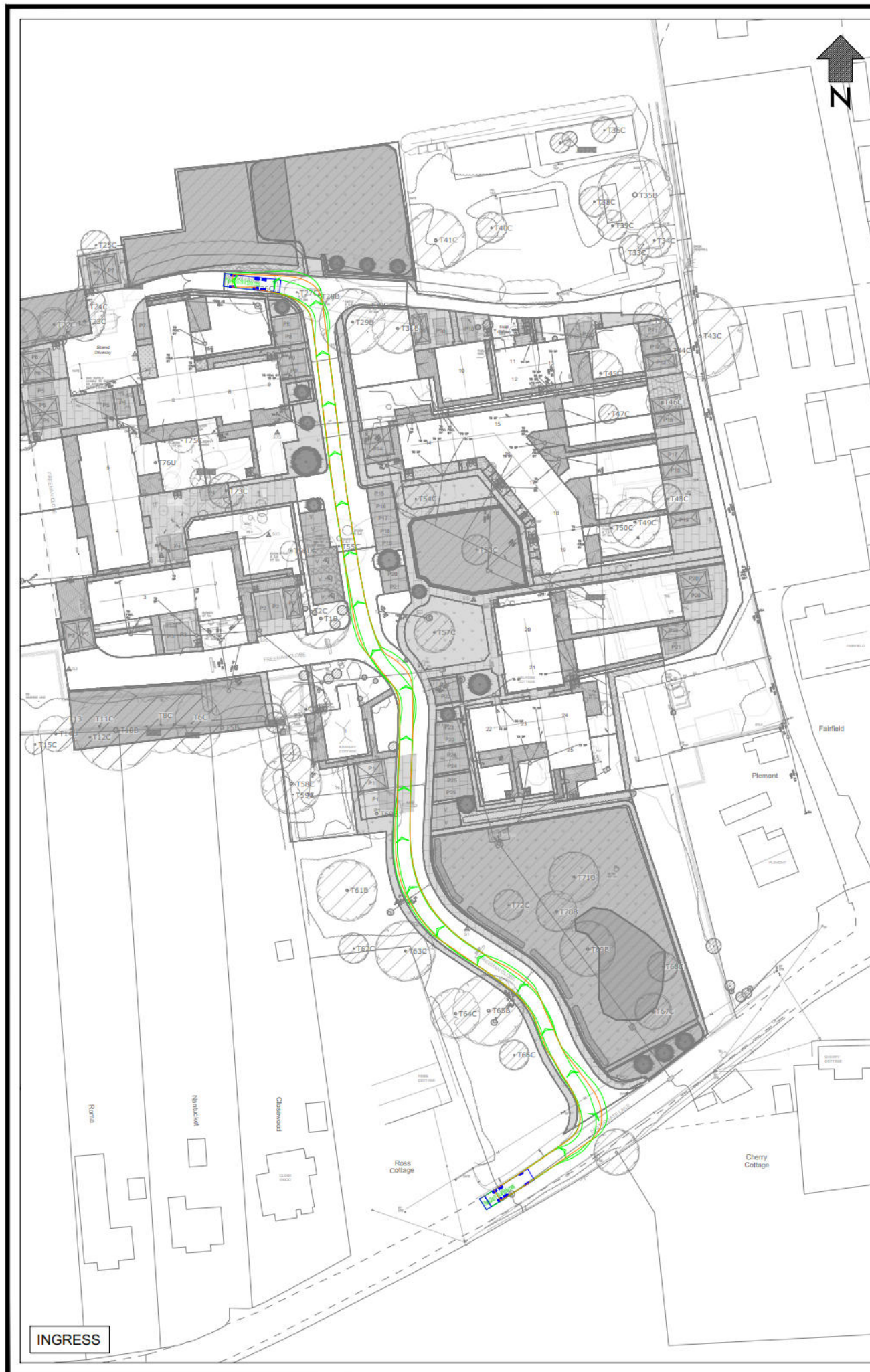
Audit Code: 0fef7e2b-d206-4e7b-8545-37a2fb550ac9**Parameter Summary:**

Trip rate parameter range selected:	4 - 4334 (units: DWELLS)
Survey date date range:	09/09/2015 - 06/11/2024
Number of weekdays (Monday-Friday):	26
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 shown. Finally, the number of survey days that have been manually removed from the selected set outside of the standard filtering procedure are displayed.

Appendix 5

Refuse Vehicle Swept Path Tracking



VEHICLE DETAILS:

Green line shows body
Orange line shows axle/wheels

PHOENIX 2 DUO
(P2-15W WITH ELITE 6X4 CHASSIS)

Overall Length	11.200m
Overall Width	2.530m
Overall Body Height	3.751m
Min Body Ground Clearance	0.304m
Track Width	2.500m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	9.500m

Design speed 16kph for all Forward movements
Design speed 10kph for all Reverse movements

10m 0 10m 20m
1:500 SCALE BAR

Client

Nick Culhane
Highway Consultant

Project

RESIDENTIAL DEVELOPMENT AT
FREEMANS CLOSE

Drawing Title

ACCESS AND TRACKING

Drawing Status

FOR INFORMATION

Date	Scale	Size
DEC 2025	1:500	A1

Drawing No.

NJC-003

Rev

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