

Habitat Regulation

Assessment Transport Data



Ref	JTP 477
Site Name	3 Shelley Grove, Loughton
Date	September 2021


Quality Assurance

Site name: 3 Shelley Grove, Loughton

Client name: Halliday West

Type of report: Habitat Regulation Assessment Transport Data

Prepared and Reviewed by: Steve Amann BSc (Hons) MSc (Eng)

Signed 

Date September 2021

3 Shelley Grove, Loughton

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3 Shelley Grove, Loughton

1 Introduction

Brief

- 1.1 Journey Transport Planning Ltd has been instructed by Halliday West to undertake a trip generation assessment in support of proposals for the conversion of the existing 4 bedroomed dwelling into 2 self-contained 2 bedroomed flats on land buildings at 3 Shelley Grove, Loughton.
- 1.2 The proposals are the subject of a planning application submitted under EPF/2032/21 and this report responds to a request for further supporting information relating to the requirement for a Habitat Regulation Assessment (HRA) in the context of the Epping Forest Special Area of Conservation (EFSAC). The location of the site is illustrated in **Appendix 1**.

Background

- 1.3 This report provides a summary of investigations of the proposals and the site and considers the potential impact of the proposal in terms of traffic and movement and subsequently on air quality in the context of impacts on the EFSAC.
- 1.4 The following matters are considered in this appraisal:
 - Site Assessment
 - Trip generation Assessment
 - Summary of total traffic impact in the context of the HRA

3 Shelley Grove, Loughton

2 DEVELOPMENT PROPOSALS

Description of Proposal

- 2.1 The proposal considers development on land and buildings at 3 Shelley Grove, Loughton for the purposes of a conversion of the existing four bed dwelling to form two self-contained two bed flats.
- 2.2 A layout plan of the proposed development is shown in **Appendix 2** and indicates the principal point of access to the site and the general site layout.

Trip Generation

- 2.3 In accordance with the accepted requirements for transport assessment, the proposals have been considered with respect to the likely level of trips that could be generated and the impact they would have on the local highway network in terms of AADT.
- 2.4 The site currently accommodates a detached four bedroomed dwelling.
- 2.5 The trip generation potential of the existing dwelling has been assessed using the TRICS 7.8.2 trip generation database. Residential sites exhibiting similar locational characteristics as the proposal site have been selected and **Table 2.1** provides a summary of the trip rates per bedroom from the house privately owned category and resulting vehicular trip generation.

Table 2.1 Existing Use Vehicular Trip Generation Summary

	AM Peak (08:00-09:00)		PM Peak (17:00-18:00)		Daily Trips (07:00-19:00)	
	Arrivals	Departures	Arrivals	Departures	Arrivals	Departures
Private House Trip Rate per Bed	0.067	0.099	0.117	0.085	0.82	0.865
Trips per 4 Bedrooms	0	1	1	0	4	4
Total Trips	1		1		8	

- 2.6 The summary in Table 2.1 indicates that the existing dwelling use could generate around 1 vehicular trip in the AM peak and 1 in the PM peak. Over a 12 hour day the existing use would generate 8 vehicular trips. The TRICS Data is held in **Appendix 3**.
- 2.7 The trip generation potential of the proposals has been assessed using the TRICS 7.8.2 trip generation database. Residential sites exhibiting similar locational characteristics as the proposal site have been selected and **Table 2.2** provides a summary of the trip rate per bedroom from the flats privately owned flats category and resulting vehicular trip generation.

3 Shelley Grove, Loughton

Table 2.2 Proposed Use Vehicular Trip Generation Summary

	AM Peak (08:00-09:00)		PM Peak (17:00-18:00)		Daily Trips (07:00-19:00)	
	Arrivals	Departures	Arrivals	Departures	Arrivals	Departures
Private Flat Trip Rate per Bed	0.029	0.096	0.091	0.048	0.618	0.634
Trips per 4 Bedrooms	0	1	1	0	3	3
Total Trips	1		1		6	

2.8 The summary in Table 2.2 indicates that the proposed private flats could generate around 1 vehicular trip in the AM peak and 1 in the PM peak. Over a 12 hour day the existing use would generate 6 vehicular trips. The TRICS Data is held in **Appendix 3**.

2.9 In order to demonstrate the impact of the proposal when set against the current use, Table 2.3 summarises the net change in vehicle trip generation with the proposed development.

Table 2.3 Proposed Development Net Trip Generation

	AM Peak (08:00-09:00)		PM Peak (17:00-18:00)		Daily Trips (07:00-19:00)	
	Arrivals	Departures	Arrivals	Departures	Arrivals	Departures
Private House Trips per 4 Bedrooms	0	1	1	0	4	4
Private Flat Trips per 4 Bedrooms	0	1	1	0	3	3
Net Change	0		0		-2	

2.10 The summary in Table 2.2 indicates that the development would result in a net reduction of 2 trips over a 12 hour day resulting in 6 trips per day.

2.11 In order to calculate the Annual Average Daily Traffic (AADT) that could be generated the proposed development, the total 12 hour (07:00-19:00) trips have been factored by 20%, representing the typical level of residential trip generation between 19:00-07:00.

2.12 Table 2.4 provides a summary of the proposal impact in terms of AADT trips.

Table 2.4 AADT Development Impact Summary

	Arrivals	Departures
Existing Trips	5	5
Proposal Trips	4	4

3 Shelley Grove, Loughton

Net Change	-1	-1
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- 2.13 Table 2.4 demonstrates that the proposal would have a net beneficial impact in terms of AADT traffic.
- 2.14 The proposal would not have an impact in terms of HGV movements as servicing to the site already takes place in the context of the existing adjacent residential development and would not materially increase as a result of the proposals.
- 2.15 This assessment demonstrates that the proposed change of use at the site will have a marginally positive impact in terms of the emissions and pollution within the Epping Forest SAC.

3 Shelley Grove, Loughton

3 SUMMARY

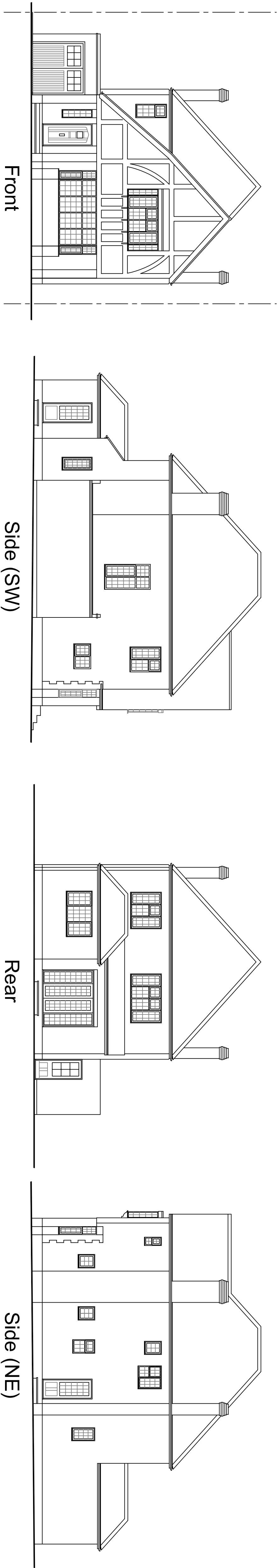
Summary

- 3.1 This report has been provided to input to the Habitat Regulation Assessment in support of a planning application under reference EPF/2032/21 to Epping Forest District Council for proposals for the redevelopment of the existing dwelling at 3 Shelley Rod, Loughton to form two self-contained flats and demonstrates that the proposal will result in an AADT decrease of 2 movements.
- 3.2 The assessment demonstrates that the proposal would not have a detrimental impact in terms of AADT in the context of its impact on the EFSAC.

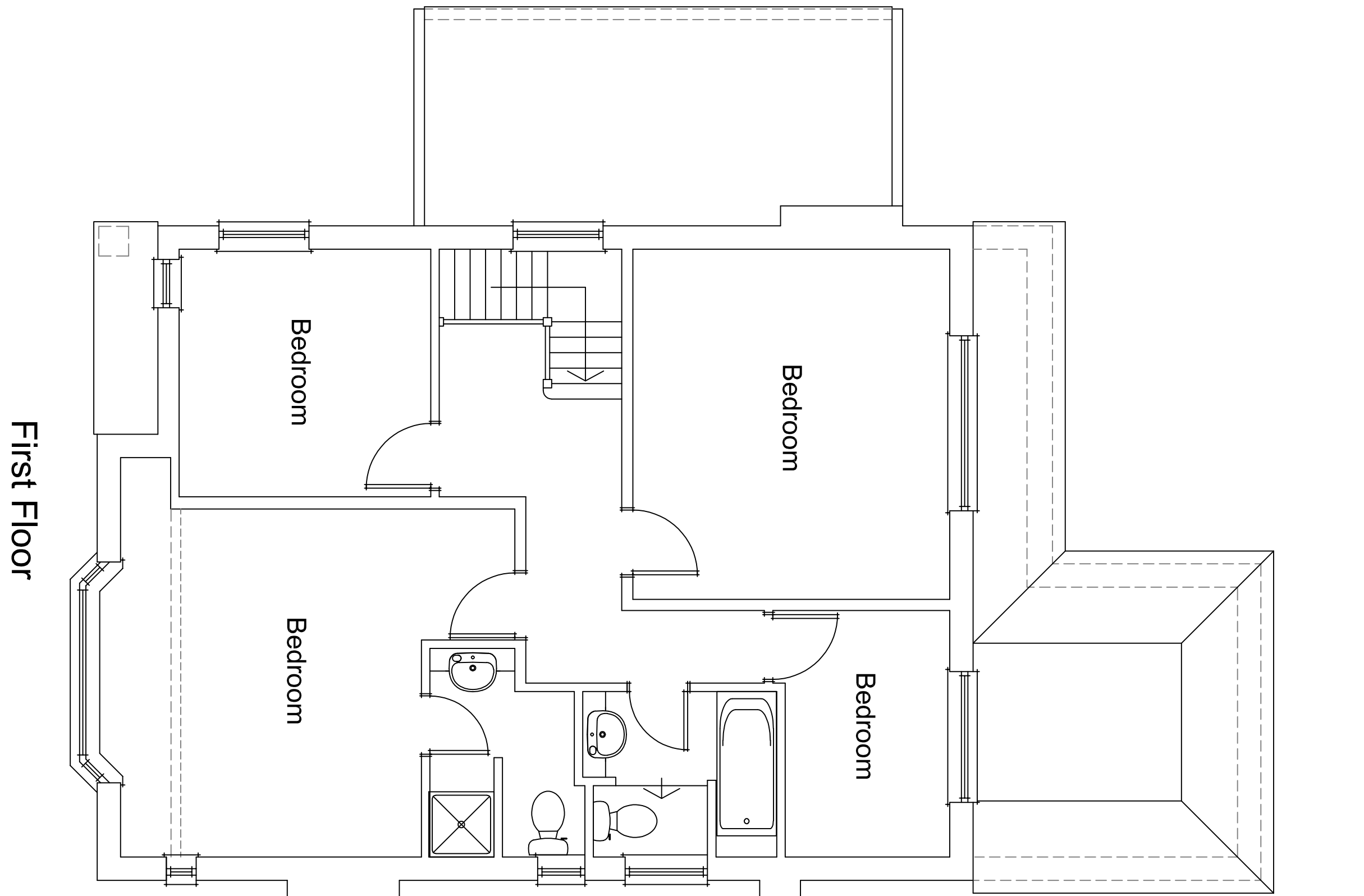
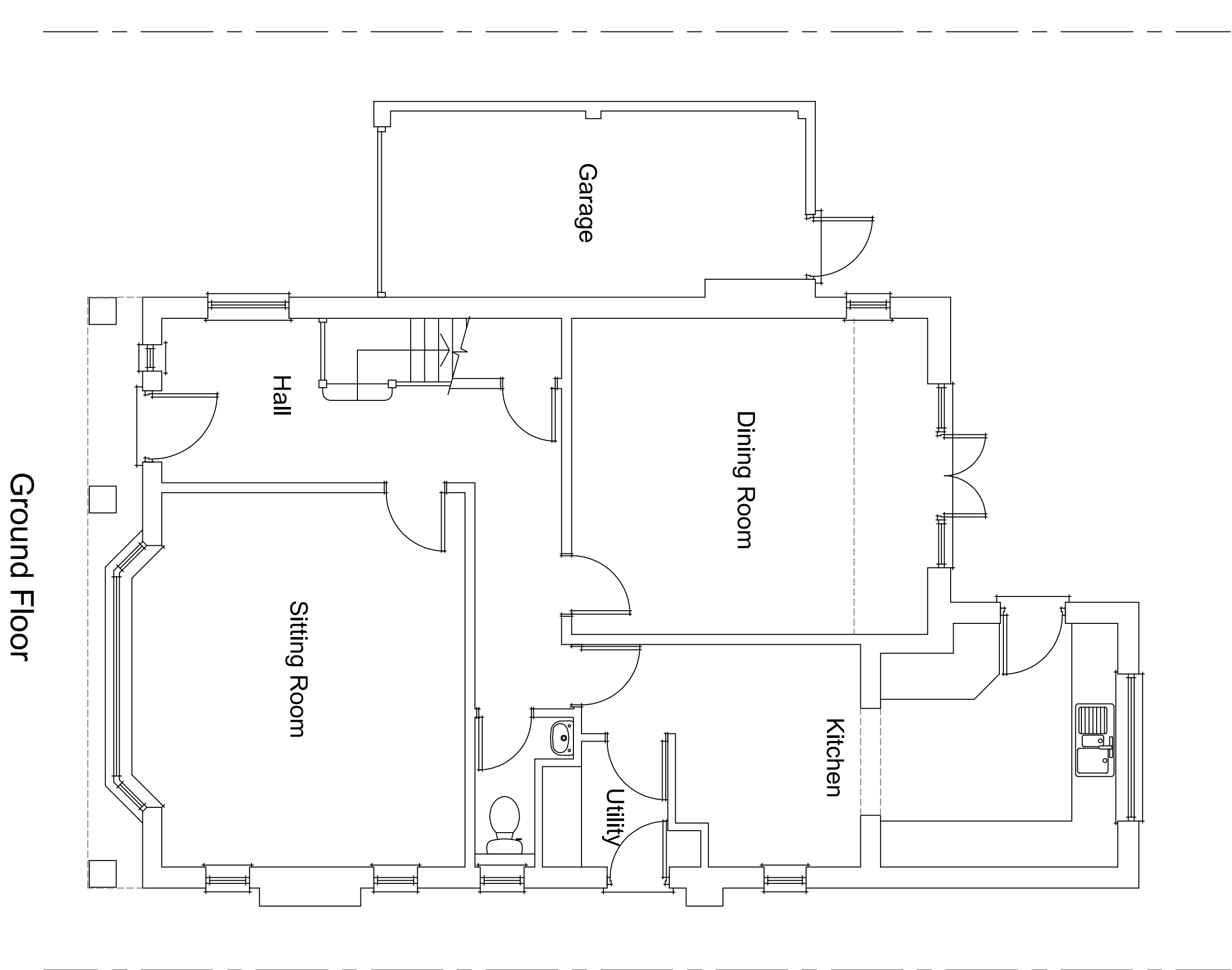
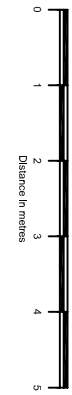


Appendix 1

Site Location



Existing Elevations



Existing Plans



NOTES:

REVISIONS:

date:	no:	description:
24.06.21	A	Plans and Elevations added
20.07.21	B	Amended for Planning submission

client: Ms D Nimmo

job title: 3 Shelley Grove
Loughton
Essex IG10 1BY

drawing title: Existing Plans
Existing Elevations
Location Plan

scale: 1:50, 1:100 & 1:1250 @ A1

date: May 2021
drawn by: MH/PAB

**HALLDAY WEST**
Chartered Building Surveyors

2, The Green Writtle, Chelmsford, Essex, CM1 3DU.
Telephone: 01245 921500
Email: admin@halldaywestsurveyors.co.uk

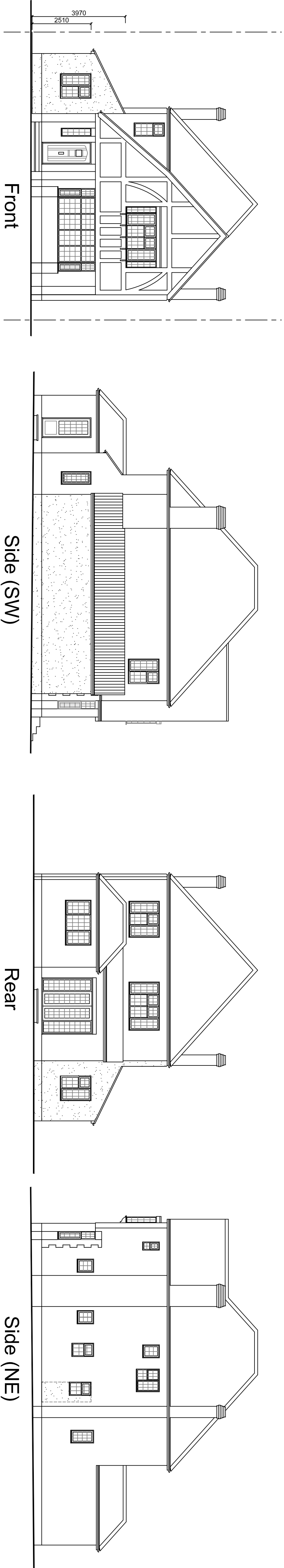
drawing no: 21/825/01

rev: B



Appendix 2

Development Proposals



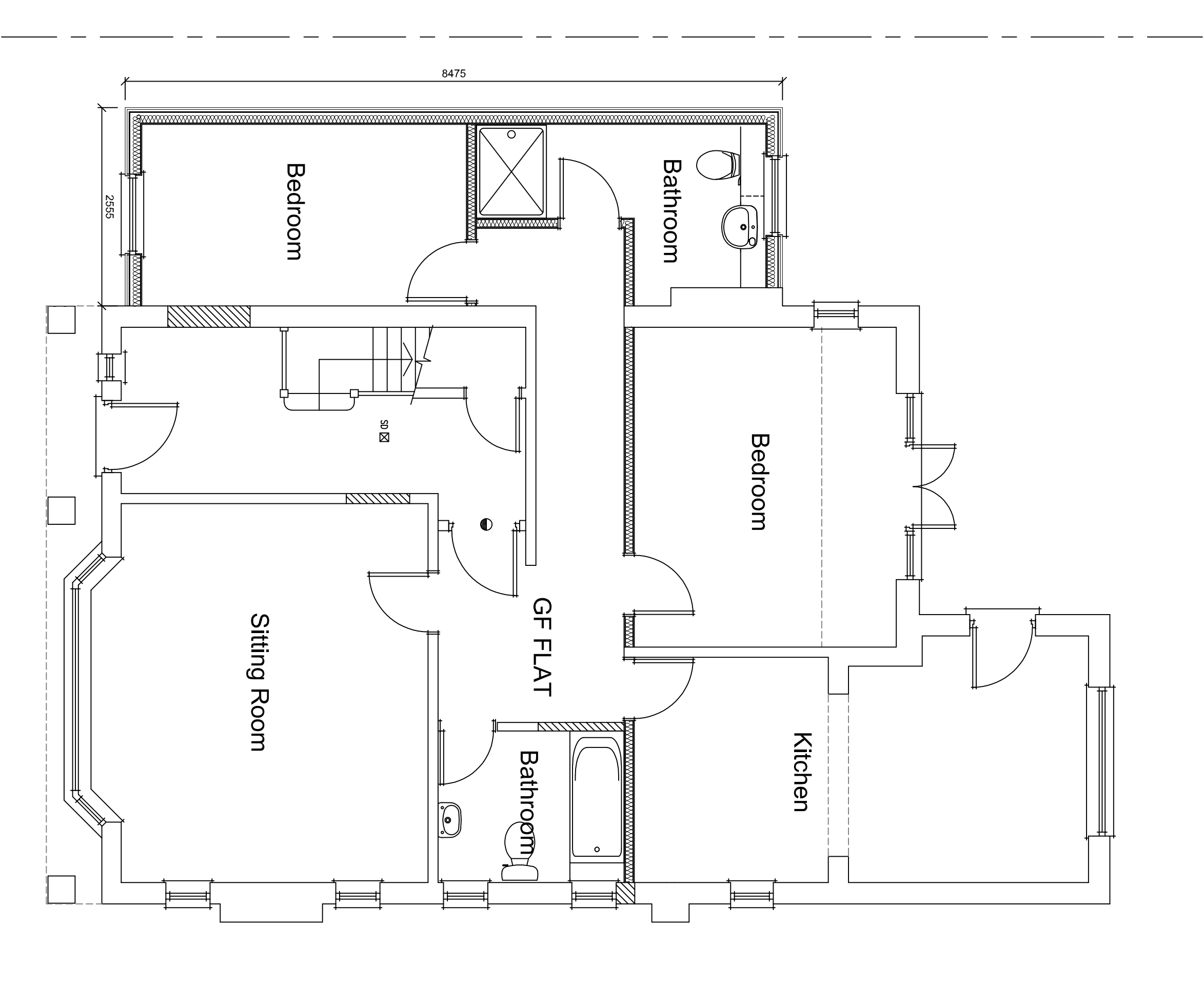
Front

Side (SW)

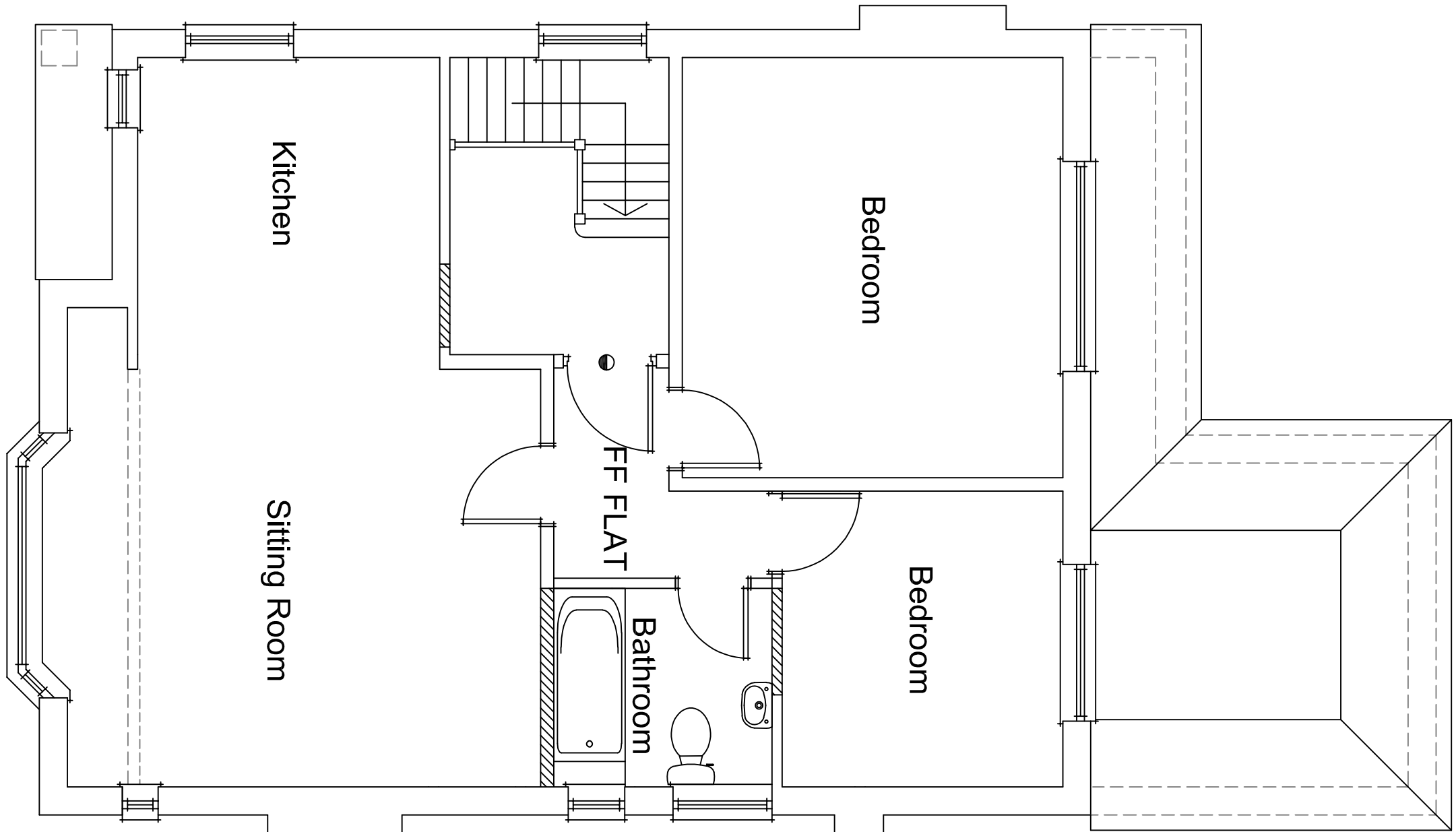
Rear

Side (NE)

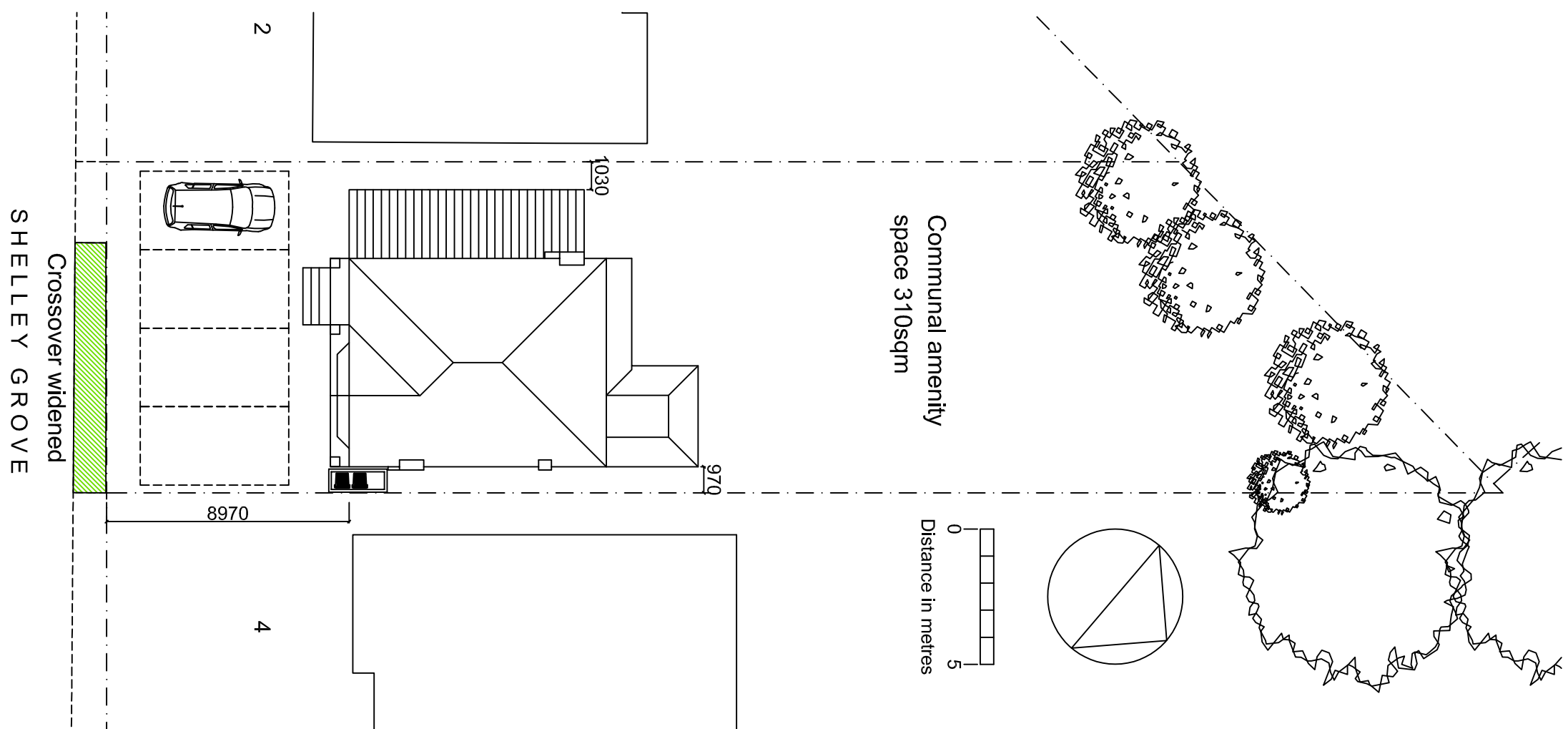
Proposed Elevations



Ground Floor



First Floor



Block Plan 1:200



Appendix 3
TRICS Data

Calculation Reference: AUDIT-757101-210916-0920

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 03 - RESIDENTIAL
 Category : A - HOUSES PRIVATELY OWNED
 TOTAL VEHICLES

Selected regions and areas:

05	EAST MIDLANDS	
	LN LINCOLNSHIRE	1 days
06	WEST MIDLANDS	
	ST STAFFORDSHIRE	1 days
08	NORTH WEST	
	LC LANCASHIRE	1 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: Total Bedrooms
 Actual Range: 51 to 100 (units:)
 Range Selected by User: 7 to 100 (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: 01/01/13 to 01/10/20

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:

Monday	1 days
Friday	2 days

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

Selected survey types:

Manual count	3 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 undertaken using machines.

Selected Locations:

Edge of Town Centre	3
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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:

Residential Zone	2
No Sub Category	1

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.

Secondary Filtering selection:

Use Class:

C3 3 days

This data displays the number of surveys per Use Class classification within the selected set. The Use Classes Order 2005 has been used for this purpose, which can be found within the Library module of TRICS®.

Population within 500m Range:

All Surveys Included

Population within 1 mile:

5,001 to 10,000 1 days

25,001 to 50,000 2 days

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

Population within 5 miles:

125,001 to 250,000 1 days

250,001 to 500,000 2 days

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

Car ownership within 5 miles:

0.5 or Less 1 days

0.6 to 1.0 1 days

1.1 to 1.5 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:

No 3 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 3 days

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

LIST OF SITES relevant to selection parameters

1	LC-03-A-30 WATSON ROAD BLACKPOOL	SEMI -DETACHED	LANCASHIRE
	Edge of Town Centre Residential Zone Total Total Bedrooms:	72	
	Survey date: FRIDAY	14/06/13	Survey Type: MANUAL
2	LN-03-A-04 EGERTON ROAD LINCOLN	DETACHED & SEMI -DETACHED	LINCOLNSHIRE
	Edge of Town Centre Residential Zone Total Total Bedrooms:	100	
	Survey date: MONDAY	29/06/15	Survey Type: MANUAL
3	ST-03-A-06 STANFORD ROAD WOLVERHAMPTON BLAKENHALL	SEMI -DET. & TERRACED	STAFFORDSHIRE
	Edge of Town Centre No Sub Category Total Total Bedrooms:	51	
	Survey date: FRIDAY	09/05/14	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/A - HOUSES PRIVATELY OWNED

TOTAL VEHICLES

Calculation factor: 1 TOTBED

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. TOTBED	Trip Rate	No. Days	Ave. TOTBED	Trip Rate	No. Days	Ave. TOTBED	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	3	74	0.031	3	74	0.112	3	74	0.143
08:00 - 09:00	3	74	0.067	3	74	0.099	3	74	0.166
09:00 - 10:00	3	74	0.063	3	74	0.049	3	74	0.112
10:00 - 11:00	3	74	0.063	3	74	0.094	3	74	0.157
11:00 - 12:00	3	74	0.036	3	74	0.040	3	74	0.076
12:00 - 13:00	3	74	0.058	3	74	0.076	3	74	0.134
13:00 - 14:00	3	74	0.085	3	74	0.058	3	74	0.143
14:00 - 15:00	3	74	0.058	3	74	0.085	3	74	0.143
15:00 - 16:00	3	74	0.099	3	74	0.054	3	74	0.153
16:00 - 17:00	3	74	0.085	3	74	0.063	3	74	0.148
17:00 - 18:00	3	74	0.117	3	74	0.085	3	74	0.202
18:00 - 19:00	3	74	0.058	3	74	0.049	3	74	0.107
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.820			0.864			1.684

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:	51 - 100 (units:)
Survey date range:	01/01/13 - 01/10/20
Number of weekdays (Monday-Friday):	3
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.

Calculation Reference: AUDIT-757101-210916-0950

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 03 - RESIDENTIAL
Category : C - FLATS PRIVATELY OWNED
TOTAL VEHICLES

Selected regions and areas:

02	SOUTH EAST	
	BD BEDFORDSHIRE	3 days
	EX ESSEX	2 days
	HC HAMPSHIRE	1 days
	HF HERTFORDSHIRE	1 days
03	SOUTH WEST	
	DV DEVON	1 days
04	EAST ANGLIA	
	NF NORFOLK	1 days
	SF SUFFOLK	1 days
06	WEST MIDLANDS	
	WM WEST MIDLANDS	1 days
07	YORKSHIRE & NORTH LINCOLNSHIRE	
	SY SOUTH YORKSHIRE	1 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: Total Bedrooms
Actual Range: 10 to 350 (units:)
Range Selected by User: 10 to 368 (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: 01/01/13 to 16/10/20

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:

Monday	1 days
Tuesday	7 days
Thursday	3 days
Friday	1 days

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

Selected survey types:

Manual count	12 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 undertaken using machines.

Selected Locations:

Edge of Town Centre	12
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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:

Residential Zone	6
Built-Up Zone	5

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.

Secondary Filtering selection:

Use Class:

C3	12 days
----	---------

This data displays the number of surveys per Use Class classification within the selected set. The Use Classes Order 2005 has been used for this purpose, which can be found within the Library module of TRICS®.

Population within 500m Range:

All Surveys Included

Population within 1 mile:

10,001 to 15,000	1 days
15,001 to 20,000	1 days
25,001 to 50,000	9 days
50,001 to 100,000	1 days

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

Population within 5 miles:

50,001 to 75,000	4 days
125,001 to 250,000	5 days
250,001 to 500,000	3 days

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	4 days
1.1 to 1.5	8 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	2 days
No	10 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	12 days
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This data displays the number of selected surveys with PTAL Ratings.

Covid-19 Restrictions	Yes	At least one survey within the selected data set was undertaken at a time of Covid-19 restrictions
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LIST OF SITES relevant to selection parameters

1	BD-03-C-01 WING ROAD LEIGHTON BUZZARD LINSLADE Edge of Town Centre Residential Zone Total Total Bedrooms: <i>Survey date: TUESDAY</i>	BLOCKS OF FLATS 350 15/05/18	BEDFORDSHIRE	<i>Survey Type: MANUAL</i>
2	BD-03-C-02 STANBRIDGE ROAD LEIGHTON BUZZARD Edge of Town Centre Residential Zone Total Total Bedrooms: <i>Survey date: TUESDAY</i>	BLOCKS OF FLATS 124 15/05/18	BEDFORDSHIRE	<i>Survey Type: MANUAL</i>
3	BD-03-C-03 COURT DRIVE DUNSTABLE Edge of Town Centre No Sub Category Total Total Bedrooms: <i>Survey date: TUESDAY</i>	BLOCKS OF FLATS 233 15/05/18	BEDFORDSHIRE	<i>Survey Type: MANUAL</i>
4	DV-03-C-01 BONHAY ROAD EXETER Edge of Town Centre Residential Zone Total Total Bedrooms: <i>Survey date: MONDAY</i>	BLOCK OF FLATS 62 10/07/17	DEVON	<i>Survey Type: MANUAL</i>
5	EX-03-C-01 WESTCLIFF PARADE SOUTHEND-ON-SEA WESTCLIFF Edge of Town Centre Residential Zone Total Total Bedrooms: <i>Survey date: TUESDAY</i>	FLATS 10 22/10/13	ESSEX	<i>Survey Type: MANUAL</i>
6	EX-03-C-02 WESTCLIFF PARADE SOUTHEND-ON-SEA WESTCLIFF Edge of Town Centre Residential Zone Total Total Bedrooms: <i>Survey date: TUESDAY</i>	BLOCK OF FLATS 94 22/10/13	ESSEX	<i>Survey Type: MANUAL</i>
7	HC-03-C-01 CROSS STREET PORTSMOUTH Edge of Town Centre Built-Up Zone Total Total Bedrooms: <i>Survey date: TUESDAY</i>	BLOCKS OF FLATS 189 05/06/18	HAMPSHIRE	<i>Survey Type: MANUAL</i>

LIST OF SITES relevant to selection parameters (Cont.)

8	HF-03-C-03 SHENLEY ROAD BOREHAMWOOD	BLOCK OF FLATS		HERTFORDSHIRE
	Edge of Town Centre Built-Up Zone Total Total Bedrooms:		91	
	Survey date: THURSDAY		14/11/19	Survey Type: MANUAL
9	NF-03-C-01 PAGE STAIR LANE KING'S LYNN	BLOCKS OF FLATS		NORFOLK
	Edge of Town Centre Built-Up Zone Total Total Bedrooms:		122	
	Survey date: THURSDAY		11/12/14	Survey Type: MANUAL
10	SF-03-C-01 STATION HILL BURY ST EDMUNDS	BLOCKS OF FLATS		SUFFOLK
	Edge of Town Centre Built-Up Zone Total Total Bedrooms:		135	
	Survey date: THURSDAY		18/12/14	Survey Type: MANUAL
11	SY-03-C-01 HEELIS STREET BARNLEY	BLOCKS OF FLATS		SOUTH YORKSHIRE
	Edge of Town Centre Built-Up Zone Total Total Bedrooms:		137	
	Survey date: TUESDAY		08/09/20	Survey Type: MANUAL
12	WM-03-C-04 GILLQUART WAY COVENTRY PARKSIDE	BLOCKS OF FLATS		WEST MIDLANDS
	Edge of Town Centre Residential Zone Total Total Bedrooms:		110	
	Survey date: FRIDAY		11/11/16	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/C - FLATS PRIVATELY OWNED

TOTAL VEHICLES

Calculation factor: 1 TOTBED

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. TOTBED	Trip Rate	No. Days	Ave. TOTBED	Trip Rate	No. Days	Ave. TOTBED	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	12	138	0.022	12	138	0.082	12	138	0.104
08:00 - 09:00	12	138	0.029	12	138	0.096	12	138	0.125
09:00 - 10:00	12	138	0.034	12	138	0.042	12	138	0.076
10:00 - 11:00	12	138	0.038	12	138	0.048	12	138	0.086
11:00 - 12:00	12	138	0.040	12	138	0.046	12	138	0.086
12:00 - 13:00	12	138	0.060	12	138	0.054	12	138	0.114
13:00 - 14:00	12	138	0.045	12	138	0.049	12	138	0.094
14:00 - 15:00	12	138	0.039	12	138	0.040	12	138	0.079
15:00 - 16:00	12	138	0.046	12	138	0.036	12	138	0.082
16:00 - 17:00	12	138	0.068	12	138	0.040	12	138	0.108
17:00 - 18:00	12	138	0.091	12	138	0.048	12	138	0.139
18:00 - 19:00	12	138	0.106	12	138	0.053	12	138	0.159
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.618			0.634			1.252

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: 10 - 350 (units:)
Survey date range: 01/01/13 - 16/10/20
Number of weekdays (Monday-Friday): 12
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.