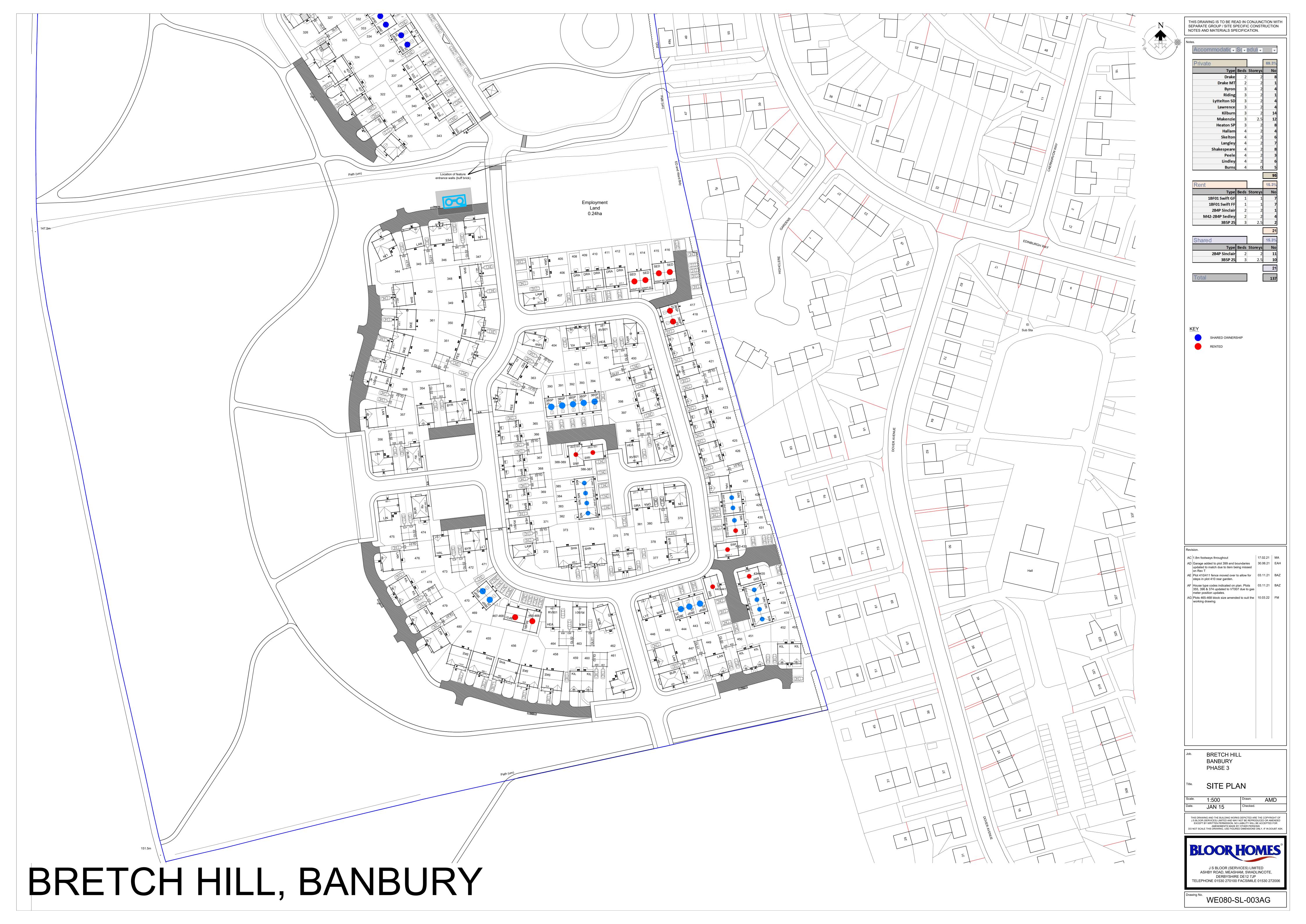
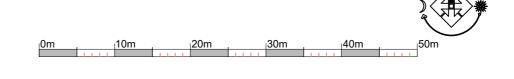


Appendix B Banbury Rise Vehicle Tracking



J S BLOOR (SERVICES) LIMITED ASHBY ROAD, MEASHAM, SWADLINCOTE, DERBYSHIRE DE12 7JP TELEPHONE 01530 270100 FACSIMILE 01530 272006 THIS DRAWING AND THE BUILDING WORKS DEPICTED ARE THE COPYRIGHT OF J.S.BLOOR (SERVICES) LIMITED AND MAY NOT BE REPRODUCED OR AMENDED EXCEPT BY WRITTEN PERMISSION. NO LIABILITY WILL BE ACCEPTED FOR AMENDMENTS MADE BY OTHER PERSONS. DO NOT SCALE THIS DRAWING, USE FIGURED DIMENSIONS ONLY, IF IN DOUBT ASK. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH SEPARATE GROUP / SITE SPECIFIC CONSTRUCTION NOTES AND MATERIALS SPECIFICATION. ROAD 22 415 414 410 471 472 AD. 404 401 402 403 443 393 392 352 397 396 OCCRefuse Vehicle
Overall Length
Overall Width
Overall Body Height
Min Body Ground Clearance
Track Width
Lock to lock time
Kerb to Kerb Turning Radius 11.643m 2.500m 3.751m 0.304m 2.500m 4.00s 10.800m 388-389 ROAD 27 ROAD 22 370 383 Standard Design Vehicle (SDV) Overall Length Overall Width Overall Body Height Min Body Ground Clearance Track Width Lock to lock time Wall to Wall Turning Radius 4.800m 2.000m 1.950m 0.100m 2.000m 4.00s 6.000m 382 380 381 373 376 375 372 378 372 A Updated to latest layout 22.03.21 | MA 377 30.03.21 MA B Road Numbers added C Updated as per OCC comments 12.04.21 MA 472 386-387 470 469 381 380 374 375 Land off Edinburgh Way Banbury Oxfordshire **Vehichle Swept Path** Analysis DATE: Oct '20 SCALE: 1:500 @ A1 DRAWN: **JB** CHECKED: **JL**

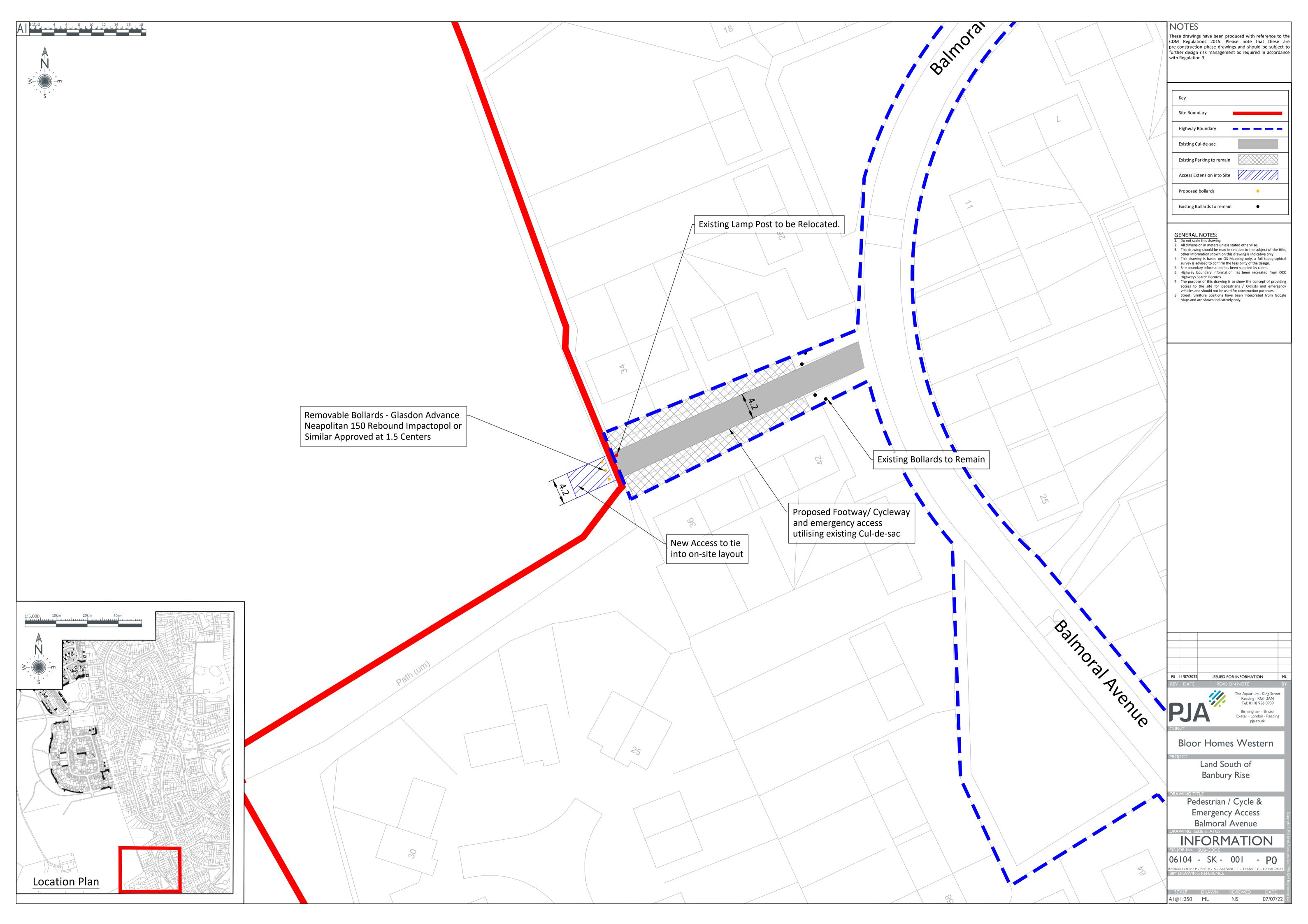
Bretch Hill

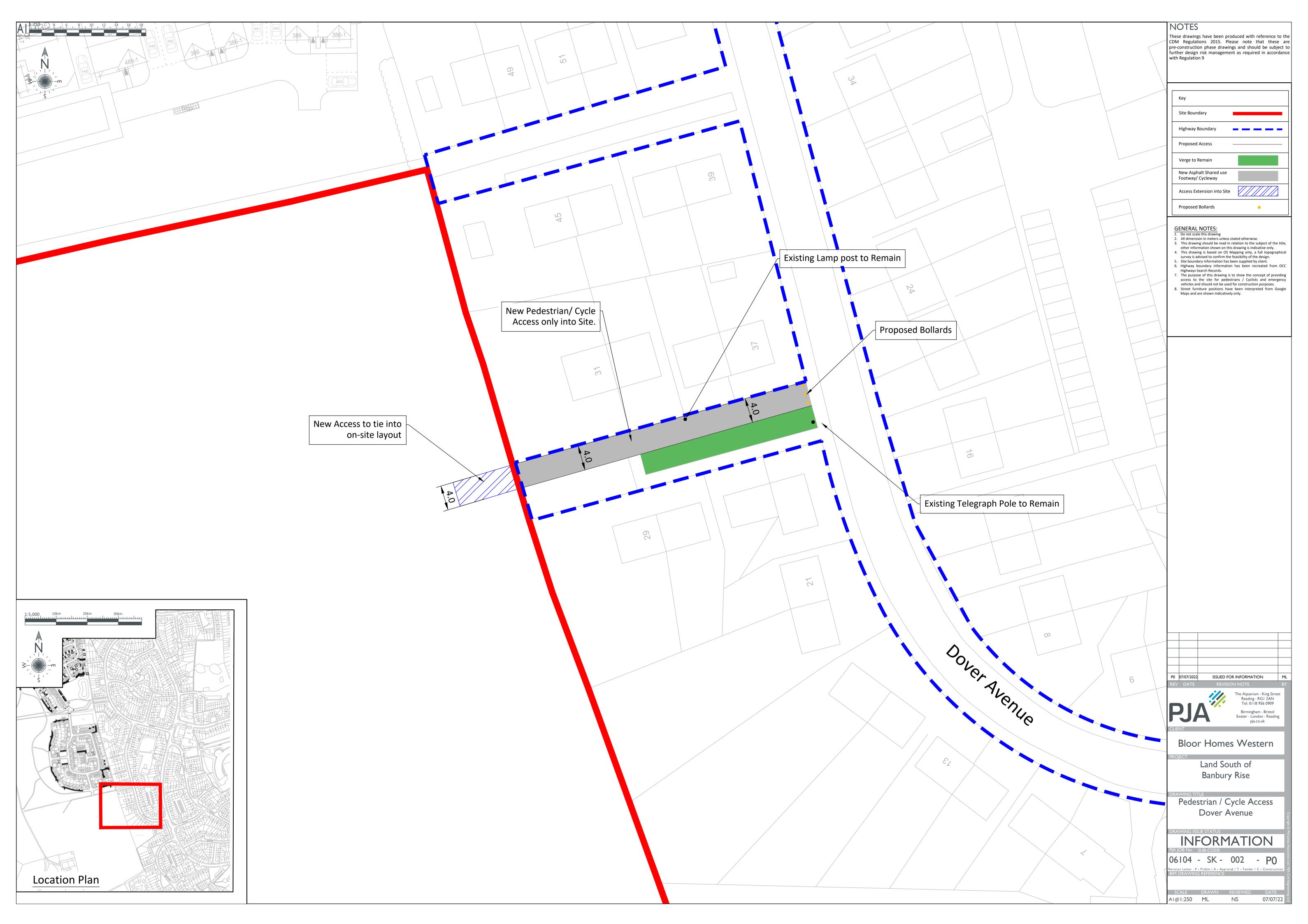


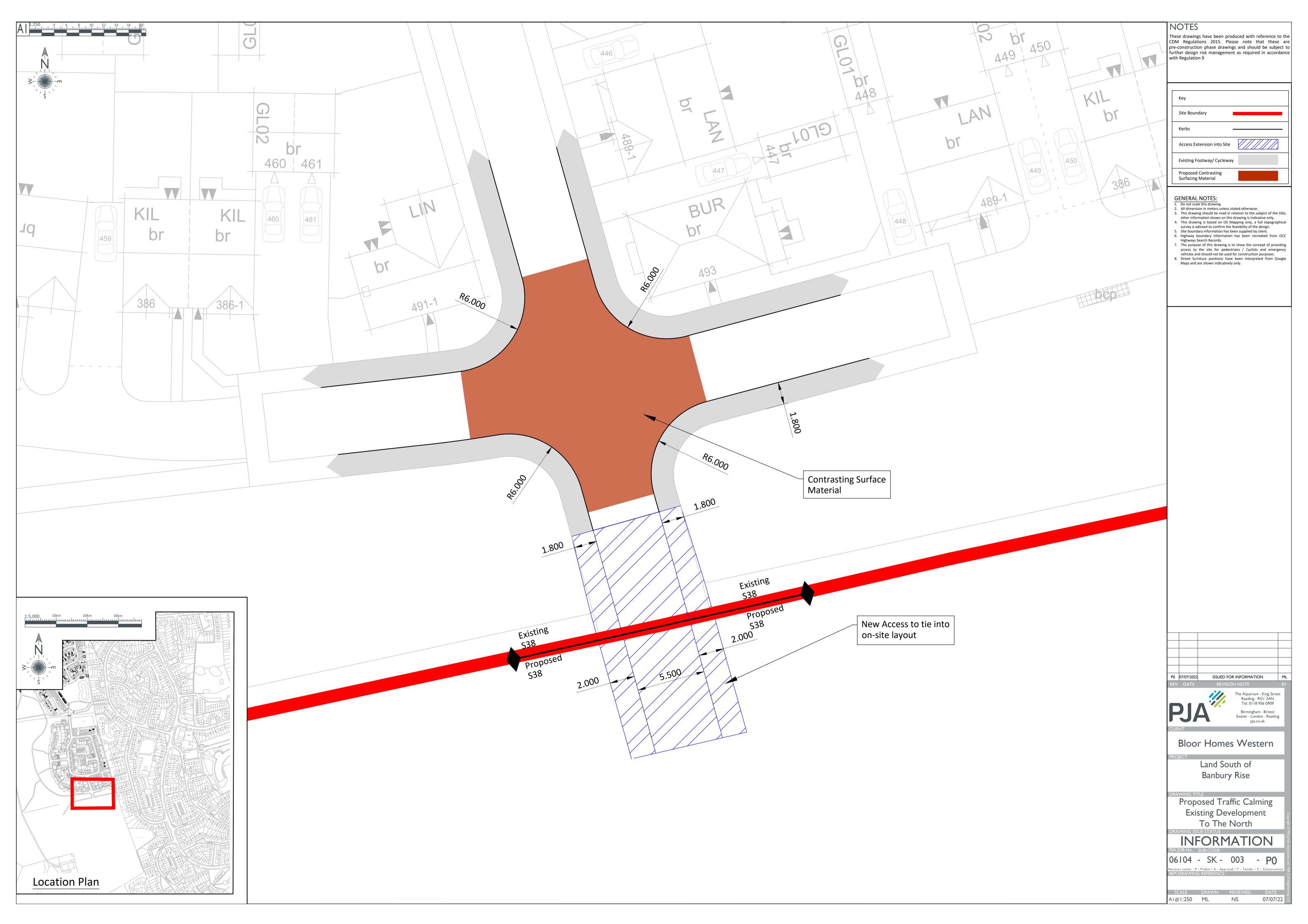




Appendix C Access Drawings









Appendix D TRICS Outputs

PJA Seven House, High Street Longbridge, Birmingham Licence No: 231601

Calculation Reference: AUDIT-231601-220110-0112

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 03 - RESIDENTIAL

Category : A - HOUSES PRIVATELY OWNED

TOTAL VEHICLES

Selected regions and areas:

02	SOUTH EAST						
	ES	EAST SUSSEX	3 days				
	EX	ESSEX	1 days				
	HC	HAMPSHIRE	1 days				
	HF	HERTFORDSHIRE	1 days				
	KC	KENT	4 days				
	SC	SURREY	2 days				
	WS	WEST SUSSEX	4 days				
03	SOUTH WEST						
	DV	DEVON	2 days				
04	EAST						
	NF	NORFOLK	7 days				
	SF	SUFFOLK	2 days				
05	EAST	MIDLANDS					
	DS	DERBYSHIRE	1 days				
06	WES						
	SH	SHROPSHIRE	1 days				
	ST	STAFFORDSHIRE	1 days				
07	YORK						
	NY	NORTH YORKSHIRE	1 days				
	SY	SOUTH YORKSHIRE	1 days				
09	NORTH						
	DH	DURHAM	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: 50 to 371 (units:) Range Selected by User: 50 to 400 (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 23/09/21

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:

Monday7 daysTuesday6 daysWednesday10 daysThursday7 daysFriday4 days

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

Selected survey types:

Manual count 30 days
Directional ATC Count 4 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.

Page 2 Licence No: 231601

PJA Seven House, High Street Longbridge, Birmingham

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

34

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

34 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:

1 days
4 days
10 days
9 days
5 days
4 days
1 days

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

Population within 5 miles:

5,001 to 25,000	7 days
25,001 to 50,000	4 days
50,001 to 75,000	2 days
75,001 to 100,000	8 days
100,001 to 125,000	1 days
125,001 to 250,000	10 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:

0.6 to 1.0	6 days
1.1 to 1.5	25 days
1.6 to 2.0	3 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 14 days No 20 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 33 days 2 Poor 1 days

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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PJA Seven House, High Street Longbridge, Birmingham Licence No: 231601

LIST OF SITES relevant to selection parameters

1 DH-03-A-01 SEMI DETACHED DURHAM

GREENFIELDS ROAD BISHOP AUCKLAND

Suburban Area (PPS6 Out of Centre)

Residential Zone

Total No of Dwellings: 50

Survey date: TUESDAY 28/03/17 Survey Type: MANUAL

2 DH-03-A-03 SEMI-DETACHED & TERRACED DURHAM

PILGRIMS WAY

DURHAM

Edge of Town Residential Zone

Total No of Dwellings: 57

Survey date: FRIDAY 19/10/18 Survey Type: MANUAL

3 DS-03-A-02 MIXED HOUSES DERBYSHIRE

RADBOURNE LANE

DERBY

Edge of Town Residential Zone

Total No of Dwellings: 371

Survey date: TUESDAY 10/07/18 Survey Type: MANUAL

4 DV-03-A-02 HOUSES & BUNGALOWS DEVON

MILLHEAD ROAD HONITON

Suburban Area (PPS6 Out of Centre)

Residential Zone

Total No of Dwellings: 116

Survey date: FRIDAY 25/09/15 Survey Type: MANUAL

5 DV-03-A-03 TERRACED & SEMI DETACHED DEVON

LOWER BRAND LANE

HONITON

Suburban Area (PPS6 Out of Centre)

Residential Zone

Total No of Dwellings: 70

Survey date: MONDAY 28/09/15 Survey Type: MANUAL

6 ES-03-A-03 MIXED HOUSES & FLATS EAST SUSSEX

SHEPHAM LANE POLEGATE

Edge of Town Residential Zone

Total No of Dwellings: 212

Survey date: MONDAY 11/07/16 Survey Type: MANUAL

7 ES-03-A-04 MIXED HOUSES & FLATS EAST SUSSEX

NEW LYDD ROAD

CAMBER

Edge of Town Residential Zone

Total No of Dwellings: 134

Survey date: FRIDAY 15/07/16 Survey Type: MANUAL

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Licence No: 231601

PJA Seven House, High Street Longbridge, Birmingham

LIST OF SITES relevant to selection parameters (Cont.)

ES-03-A-05 **MIXED HOUSES & FLATS EAST SUSSEX**

RATTLE ROAD NEAR EASTBOURNE STONE CROSS Edge of Town Residential Zone

Total No of Dwellings: 99

Survey date: WEDNESDAY 05/06/19 Survey Type: MANUAL

EX-03-A-02 **DETACHED & SEMI-DETACHED ESSEX**

MANOR ROAD **CHIGWELL GRANGE HILL** Edge of Town Residential Zone

Total No of Dwellings: 97

Survey date: MONDAY 27/11/17 Survey Type: MANUAL

HC-03-A-23 **HOUSES & FLATS** HAMPSHIRE 10

CANADA WAY LIPHOOK

Suburban Area (PPS6 Out of Centre)

Residential Zone

Total No of Dwellings: 62

Survey date: TUESDAY 19/11/19 Survey Type: MANUAL **HERTFORDSHIRE**

11 HF-03-A-03 **MIXED HOUSES**

HARE STREET ROAD BUNTINGFORD

Edge of Town Residential Zone

Total No of Dwellings: 160

Survey date: MONDAY 08/07/19 Survey Type: MANUAL

KC-03-A-03 **MIXED HOUSES & FLATS** 12 **KENT**

HYTHE ROAD ASHFORD WILLESBOROUGH

Suburban Area (PPS6 Out of Centre)

Residential Zone

Total No of Dwellings:

Survey date: THURSDAY 14/07/16 Survey Type: MANUAL

KC-03-A-04 **SEMI-DETACHED & TERRACED** 13 **KENT**

KILN BARN ROAD AYLESFORD DITTON Edge of Town Residential Zone Total No of Dwellings:

110

Survey date: FRIDAY 22/09/17 Survey Type: MANUAL

KC-03-A-06 **MIXED HOUSES & FLATS KENT**

MARGATE ROAD HERNE BAY

Suburban Area (PPS6 Out of Centre)

Residential Zone

Total No of Dwellings: 363

Survey date: WEDNESDAY 27/09/17 Survey Type: MANUAL TRICS 7.8.4 211221 B20.35 Database right of TRICS Consortium Limited, 2022. All rights reserved Monday 10/01/22 Page 5

PJA Seven House, High Street Longbridge, Birmingham Licence No: 231601

LIST OF SITES relevant to selection parameters (Cont.)

KC-03-A-07 **MIXED HOUSES KENT**

RECULVER ROAD HERNE BAY

Edge of Town Residential Zone

Total No of Dwellings: 288

Survey date: WEDNESDAY 27/09/17 Survey Type: MANUAL

16 NF-03-A-06 **MIXED HOUSES NORFOLK**

BEAUFORT WAY **GREAT YARMOUTH BRADWELL** Edge of Town Residential Zone

Total No of Dwellings: 275

Survey date: MONDAY 23/09/19 Survey Type: MANUAL

NF-03-A-16 17 **MIXED HOUSES & FLATS** NORFOLK

NORWICH COMMON **WYMONDHAM**

Edge of Town Residential Zone

Total No of Dwellings: 138 Survey date: TUESDAY 20/10/15

Survey Type: DIRECTIONAL ATC COUNT

18 NF-03-A-24 **MIXED HOUSES & FLATS** NORFOLK

HUNSTANTON ROAD HUNSTANTON

> Edge of Town Residential Zone

127 Total No of Dwellings:

Survey date: WEDNESDAY 22/09/21 Survey Type: DIRECTIONAL ATC COUNT

NORFOLK 19 NF-03-A-25 **MIXED HOUSES & FLATS**

WOODFARM LANE **GORLESTON-ON-SEA**

Edge of Town Residential Zone

Total No of Dwellings: 55

21/09/21 Survey date: TUESDAY Survey Type: MANUAL

NF-03-A-26 **MIXED HOUSES NORFOLK** 20

HEATH DRIVE

HOLT

Edge of Town Residential Zone

Total No of Dwellings: 91

Survey date: WEDNESDAY 22/09/21 Survey Type: DIRECTIONAL ATC COUNT

NF-03-A-28 **MIXED HOUSES NORFOLK**

NORTH WALSHAM ROAD NORTH WALSHAM

Edge of Town

Residential Zone Total No of Dwellings: 100

Survey date: WEDNESDAY 22/09/21 Survey Type: DIRECTIONAL ATC COUNT TRICS 7.8.4 211221 B20.35 Database right of TRICS Consortium Limited, 2022. All rights reserved Monday 10/01/22 Page 6

PJA Seven House, High Street Longbridge, Birmingham Licence No: 231601

LIST OF SITES relevant to selection parameters (Cont.)

NF-03-A-30 **MIXED HOUSES NORFOLK**

BRANDON ROAD SWAFFHAM

Edge of Town Residential Zone

Total No of Dwellings: 266

Survey date: THURSDAY 23/09/21 Survey Type: MANUAL **NORTH YORKSHIRE**

23 NY-03-A-09 **MIXED HOUSING**

GRAMMAR SCHOOL LANE

NORTHALLERTON

Suburban Area (PPS6 Out of Centre)

Residential Zone

Total No of Dwellings: 52

Survey date: MONDAY 16/09/13 Survey Type: MANUAL

SC-03-A-04 **DETACHED & TERRACED** 24 **SURREY**

HIGH ROAD **BYFLEET**

Edge of Town Residential Zone

Total No of Dwellings: 71

Survey date: THURSDAY 23/01/14 Survey Type: MANUAL

SC-03-A-05 25 **MIXED HOUSES SURREY**

REIGATE ROAD HORLEY

> Edge of Town Residential Zone

Total No of Dwellings: 207

Survey date: MONDAY 01/04/19 Survey Type: MANUAL

SF-03-A-09 **MIXED HOUSES & FLATS** SUFFOLK 26

FOXHALL ROAD **IPSWICH**

Suburban Area (PPS6 Out of Centre)

Residential Zone

Total No of Dwellings:

Survey date: THURSDAY 24/06/21 Survey Type: MANUAL

SUFFOLK SF-03-A-10 **TERRACED & SEMI-DETACHED** 27

LOVETOFTS DRIVE **IPSWICH** WHITEHOUSE Edge of Town Residential Zone

Total No of Dwellings: 149

Survey date: TUESDAY 22/06/21 Survey Type: MANUAL

28 SH-03-A-05 **SEMI-DETACHED/TERRACED SHROPSHIRE**

SANDCROFT TELFORD SUTTON HILL Edge of Town Residential Zone

Total No of Dwellings: 54

Survey date: THURSDAY 24/10/13 Survey Type: MANUAL

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PJA Seven House, High Street Longbridge, Birmingham Licence No: 231601

LIST OF SITES relevant to selection parameters (Cont.)

29 ST-03-A-07 **DETACHED & SEMI-DETACHED STAFFORDSHIRE**

BEACONSIDE STAFFORD MARSTON GATE Edge of Town Residential Zone

Total No of Dwellings: 248

Survey date: WEDNESDAY 22/11/17 Survey Type: MANUAL **SOUTH YORKSHIRE** 30 SY-03-A-01 **SEMI DETACHED HOUSES**

A19 BENTLEY ROAD **DONCASTER** BENTLEY RISE Suburban Area (PPS6 Out of Centre)

Residential Zone Total No of Dwellings:

Survey date: WEDNESDAY 18/09/13 Survey Type: MANUAL

WEST SUSSEX WS-03-A-04 31 MIXED HOUSES

HILLS FARM LANE **HORSHAM**

BROADBRIDGE HEATH Edge of Town Residential Zone

Total No of Dwellings: 151 Survey date: THURSDAY 11/12/14

Survey Type: MANUAL

WS-03-A-08 **MIXED HOUSES WEST SUSSEX**

ROUNDSTONE LANE ANGMERING

> Edge of Town Residential Zone

Total No of Dwellings: 180

Survey date: THURSDAY 19/04/18 Survey Type: MANUAL

WS-03-A-10 WEST SÚSSÉX 33 **MIXED HOUSES**

TODDINGTON LANE

LITTLEHAMPTON

WICK Edge of Town Residential Zone

Total No of Dwellings: 79

Survey date: WEDNESDAY Survey Type: MANUAL 07/11/18 WS-03-A-13 **WEST SÚSSÉX MIXED HOUSES & FLATS**

34 LITTLEHAMPTON ROAD WORTHING WEST DURRINGTON Edge of Town Residential Zone

Total No of Dwellings: 197

Survey date: WEDNESDAY 23/06/21 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.

PJA Seven House, High Street Longbridge, Birmingham

Licence No: 231601

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

TOTAL VEHICLES

Calculation factor: 1 DWELLS BOLD print indicates peak (busiest) period

	ARRIVALS			DEPARTURES			TOTALS		
	No.	Ave.	Trip	No.	Ave.	Trip	No.	Ave.	Trip
Time Range	Days	DWELLS	Rate	Days	DWELLS	Rate	Days	DWELLS	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	34	145	0.087	34	145	0.310	34	145	0.397
08:00 - 09:00	34	145	0.135	34	145	0.365	34	145	0.500
09:00 - 10:00	34	145	0.133	34	145	0.167	34	145	0.300
10:00 - 11:00	34	145	0.124	34	145	0.157	34	145	0.281
11:00 - 12:00	34	145	0.141	34	145	0.150	34	145	0.291
12:00 - 13:00	34	145	0.154	34	145	0.149	34	145	0.303
13:00 - 14:00	34	145	0.166	34	145	0.146	34	145	0.312
14:00 - 15:00	34	145	0.162	34	145	0.183	34	145	0.345
15:00 - 16:00	34	145	0.255	34	145	0.166	34	145	0.421
16:00 - 17:00	34	145	0.277	34	145	0.167	34	145	0.444
17:00 - 18:00	34	145	0.346	34	145	0.161	34	145	0.507
18:00 - 19:00	34	145	0.287	34	145	0.164	34	145	0.451
19:00 - 20:00	1	97	0.062	1	97	0.052	1	97	0.114
20:00 - 21:00	1	97	0.031	1	97	0.021	1	97	0.052
21:00 - 22:00									
22:00 - 23:00						_			
23:00 - 24:00									
Total Rates:			2.360			2.358			4.718

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: 50 - 371 (units:) Survey date date range: 01/01/13 - 23/09/21

Number of weekdays (Monday-Friday): 34
Number of Saturdays: 0
Number of Sundays: 0
Surveys automatically removed from selection: 8
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.



Appendix E Proposed Development Traffic Flow Diagrams

Transport Assessment

