

McGregor Homes Ltd

159-161 Iverson Road, Camden

Transport Statement

November 2013

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1 INTRODUCTION

- 1.1 Vectos has been appointed by McGregor Homes Ltd, to provide traffic and transport advice for a planning application for a proposed mixed use residential and employment development at 159-161 Iverson Road, Camden.
- 1.2 The site is located to the west of West Hampstead Thameslink, between the junctions with West End Lane and Maygrove Road. The strategic location of the site is shown in **Figure 1** and the local context in **Figure 2**.
- 1.3 The site is currently occupied by a tyre sales centre, Iverson Tyres Ltd, which comprises a one-storey warehouse building, three portacabins and a forecourt. It is bound by a rail embankment to the north, Iverson Road to the South, a Network Rail signal box building to the west and a vacant plot the east. It should be noted that the plot to the east of the site was previously occupied by a garden centre and has planning permission for a residential development of 36 units.
- 1.4 This Transport Statement (TS) has been prepared in accordance with the Department for Transport's (DfT) 'Guidance on Transport Assessment' and following pre-application advice from officers at the London Borough of Camden (LBC) regarding the scope of supporting documentation to support a planning application. The remainder of this report is structured as follows:
- Section 2 – Describes the site's location and accessibility;
 - Section 3 – Describes the proposed development;
 - Section 4 – Considers the relevant national, regional and local policy background;
 - Section 5 – Considers the impact of the development; and
 - Section 6 – Provides a summary and conclusion to the report.

2 EXISTING SITUATION

Introduction

- 2.1 The application site is situated at 159-161 Iverson Road, which forms the site's southern boundary, between the junctions with West End Lane and Maygrove Road.
- 2.2 To the north of the site are the railway embankment and the existing West Hampstead Thameslink Rail Station. To the east of the site there is a currently vacant plot of land which was previously occupied by a garden centre. This has planning permission (ref2012/0099/P) for a 36 unit residential development.
- 2.3 To the south of the site and Iverson Road there are predominantly residential land uses consisting of a mixture of flats and terraced housing. To the west of the site is a 3 – 4 storey Network Rail signal box building. The access road for this building denotes the western boundary of the application site.
- 2.4 As noted previously, the site is currently occupied by Iverson Tyres Ltd which comprises a one storey warehouse building, three portacabins and a forecourt. Vehicular and pedestrian access is both currently from Iverson Road.
- 2.5 A plan indicating the site's location in a local context is presented at **Figure 2**.

Local Highway Network

- 2.6 **Figure 1** shows the strategic location of the site, in the context of the wider highway network.
- 2.7 As noted previously, the site is situated on Iverson Road, a local access road running between West End Lane and the A5 Kilburn High Road. This is a single carriageway, two-lane road which forms the southern boundary of the site and provides access to a number of residential streets in the surrounding area.
- 2.8 West End Lane is a short north-south route through West Hampstead which provides access to the A41 Finchley Road to the north and Kilburn High Road to the south. In turn, the A41 Finchley Road runs south to Oxford Street through St Johns Wood and Marylebone; and provides a strategic route through north-west London to the A1 and M1 at junction 2. The A1

and M1 provide strategic routes out of London to destinations including, Luton, Stevenage, Milton Keynes, Peterborough and Northampton.

- 2.9 The A5 Kilburn High Road runs south to Marble Arch through Kilburn and Maida Vale and north to the M1 at junction 4.

Parking

- 2.10 The site is located within Controlled Parking Zone (CPZ) Q, which restricts parking to resident permit holders only from Monday to Friday between 08:30 and 18:30. Outside of these hours parking is unrestricted. On-street resident parking bays are present on both sides of the carriageway, along the majority of the length of Iverson Road.
- 2.11 Although the majority of available parking is restricted to residents, there are three pay & display and two 'car club-only' bays located opposite the Thameslink Rail Station. The pay & display bays are subject to a maximum stay of two hours with restrictions applying from Monday to Friday between 08:30 and 18:30.
- 2.12 It should also be noted that a small number of designated disabled bays are located on-street along Iverson Road.

Accessibility by Walking and Cycling

Walking

- 2.13 Footways are provided along both sides of Iverson Road and are considered to be of sufficient width, with adequate levels of street-lighting provided. Three dedicated pedestrian crossings are located along Iverson Road, including two zebra crossings. In addition, signalised crossings are located at either end of Iverson Road at the junctions with West End Lane and Kilburn High Road. All crossings provide tactile information and dropped kerbs, which enable safe movement by pedestrians with mobility and sensory impairments.
- 2.14 Pedestrian facilities along both West End Lane and Kilburn High Road are good, due to the high volume of pedestrians and the nature of the carriageways.
- 2.15 **Figure 3** shows a number of local facilities, accessible within an approximate 10 minute walking distance. It can be observed from Figure 3 that food shops, medical facilities, a bank and a post office are all located within the vicinity of the site.

Cycling

- 2.16 A small number of cycling facilities are provided within the vicinity of the site. Advanced Stop Lines (ASLs) are provided on Iverson Road at the junction with Kilburn High Road and road markings are present along Kilburn High Road identifying the presence of cyclists.
- 2.17 It should be noted that designated cycle lanes are not provided, however, Kilburn High Road and West End Lane to the north of Iverson Road are identified by TfL as “routes signed for cyclists on a mixture of quieter and busy roads.” In addition, a number of local roads around the site are identified as “quieter roads that have been recommended by other cyclists.”

Accessibility by Public Transport

- 2.18 The site has a PTAL of 5 (‘Very Good’) and is extremely well-served by a variety of public transport networks, including bus, rail, underground and overground. The PTAL detail and summary reports are presented at **Appendix A** for information. It should be noted that this PTAL calculation does not include the new entrance to West Hampstead Thameslink Station. Whilst this results in an improvement in the accessibility index of the site, the PTAL will remain at 5.
- 2.19 A plan indicating the location of the nearest public transport facilities is shown in **Figure 4**.

Bus

- 2.20 The nearest bus stops to the site are located approximately 260 metres from the site access and are located on West End Lane.
- 2.21 The location of local bus stops can be viewed at **Figure 4** and a summary of the bus routes serving these stops is presented in **Table 2.1**.
- 2.22 It should be noted that average frequency refers to daytime services only, with the exception of night buses, where frequency is given in minutes.

Table 2.1 – Local Bus Routes

Stop	Service	Route	Average Weekday Frequency	Average Saturday Frequency	Average Sunday Frequency
1 – 4	139	West Hampstead – Oxford Circus - Waterloo	6 – 8	8	12 – 15
	328	Golders Green – Kensington – Chelsea	6 – 7	6 – 7	10
	C11	Bent Cross – Swiss Cottage – Archway	8	8	12 – 20
5 – 6	16	Cricklewood – Kilburn – Victoria	6	6 – 10	10
	32	Edgware – Cricklewood – Kilburn	8 – 10	8 – 12	12 – 15
	189	Brent Cross – Cricklewood – Oxford Circus	6 – 8	8 – 12	12
	316	Cricklewood – Queens Park – White City	8	8 – 12	12
	332	Brent Park – Kilburn – Paddington	10	10 – 12	12 – 15
	632	Kilburn Park – Cricklewood – Grahame Park*	07:48, 15:49	-	-
	N16	Edgware – Cricklewood – Marble Arch – Victoria	20	20	20

**School service*

- 2.23 It can be observed from Table 2.1 that the site is served by a number of frequent bus services, which provide access to several key destinations including Waterloo, Victoria and Paddington.

Underground

- 2.24 West Hampstead underground station is located approximately 350 metres from the site access, on West End Lane, and is served by the Jubilee Line. The station is in Travelcard Zone 2 of London's transport zones.
- 2.25 Services run between Stratford and Stanmore and key destinations include Westminster, London Waterloo, London Bridge, Canary Wharf and Greenwich.
- 2.26 Services run regularly throughout the day, seven days a week. A summary of the first and last trains from West Hampstead is presented in **Table 2.2**.

Table 2.2 – West Hampstead Underground Services

Destination	Monday – Saturday		Sunday	
	First Train	Last Train	First Train	Last Train
Stanmore	05:52	00:48	07:45	00:12
Stratford	05:14	00:33	07:15	23:48

Rail

2.27 West Hampstead Overground Station is located approximately 270 metres from the site, on West End Lane. The station is served by the Richmond/ Clapham Junction – Stratford line. A summary of the first and last trains from West Hampstead and a summary of average frequency are presented in **Table 2.3** and **Table 2.4** respectively.

2.28 A route map of the Richmond/ Clapham Junction – Stratford Line is presented at **Appendix B**.

Table 2.3 – West Hampstead Overground Services (First & Last Trains)

Destination	Monday – Friday		Saturday		Sunday	
	First Train	Last Train	First Train	Last Train	First Train	Last Train
Stratford	06:08	23:33	06:07	23:28	09:10	23:26
Richmond	06:18	00:16	06:17	00:16	09:31	23:36

Table 2.4 – West Hampstead Overground Services (Frequency)

Destination	Average Frequency Monday – Friday	Average Frequency Saturday	Average Frequency Sunday
Stratford	5 – 10	10	8 – 20
Richmond	6 – 10	10	10 – 15

2.29 West Hampstead Thameslink station is located on Iverson Road, approximately 130 metres east of the site. The station is on the Midland Main Line and is served by First Capital Connect trains as part of the Thameslink Line service between Kentish Town and Cricklewood. Services operate over the 24 hour period from Monday to Saturday, with a reduced service operating on Sundays.

2.30 A summary of average frequency for Thameslink services is presented at **Table 2.5**.

Table 2.5 – West Hampstead Thameslink Services

Destination	Average Frequency Monday – Friday	Average Frequency Saturday	Average Frequency Sunday
Kentish Town	12 – 20	15	30
Cricklewood	10 – 20	12 – 18	30

Summary

- 2.31 A review of the site's accessibility indicates that it is situated within a very accessible location, which is reflected by the high PTAL (5- 'Very Good') of the site. There are a number of bus, overground, underground and rail routes which combine to provide a variety of high frequency service to a number of destinations. Pedestrian provision surrounding the site is good, providing a good level of accessibility to these public transport interchanges and a range of local facilities.

3 DEVELOPMENT PROPOSALS

- 3.1 This section of the report describes the development proposals, including parking and servicing proposals.

Proposed Development

- 3.2 The proposals include the following:
- the demolition of the existing tyre sales centre, Iverson Tyres Ltd;
 - the erection of 19 residential units, 4 of which will be affordable; and
 - a 164 sqm B1c employment use at the ground floor.
- 3.3 The 19 residential units, ranging between 1 and 3 bedrooms, will be located over five floors, with three affordable units, two of which will be wheelchair accessible and the employment space located at the ground level. The architect's scheme layout can be viewed at **Appendix C**.
- 3.4 As part of the development, the existing vehicular access to the site, which is provided via a crossover with Iverson Road, will be closed and the footway re-instated. As such there will be no vehicular access to the application site other than for cycles.

Parking

Car Parking Provision

- 3.5 The scheme is proposed to be car-free, in that no car parking spaces will be provided on-site for residents or employees of the B1c unit. The provision of a car-free development is supported by LBC policies (as set out in Section 4 below), and has been confirmed as acceptable during pre-application discussions with LBC officers.
- 3.6 It is recognised that disabled parking should be provided at a ratio of 1 space per wheelchair accessible unit. This disabled parking can be satisfactorily provided on-street adjacent to the application site. This is consistent with the consented development for 36 residential units on the adjacent vacant plot.

- 3.7 As noted previously in Section 2, a small number of pay & display bays are located on-street at the east of Iverson Road, however these are restricted to a maximum stay of 2 hours. The remainder of bays are restricted to permit holders only during the hours defined by the CPZ.
- 3.8 It should be noted that new residents at the proposed development will not be granted resident parking permits, in line with policy DP18 of the Camden Development Policies.

Cycle Parking Provision

- 3.9 Cycle parking for the development will be provided in accordance with both Camden local standards, as set out within policy DP18 of the Camden Development Policies, and TfL Cycle Parking Standards, which are contained within the London Plan.
- 3.10 With regards to the B1c employment unit, cycle parking standards only apply from a threshold of 500sqm upwards and therefore there is no requirement to provide cycle parking for this element of the development.
- 3.11 For residential units, 1 storage or parking space is required for all 1 / 2 bedroom dwellings with 2 spaces required for all dwellings with 3 or more bedrooms. Whilst visitor parking is not required for developments of less than 20 units, the standard suggests provision of 1 space per 10 units, and therefore 2 additional cycle parking spaces are proposed.
- 3.12 A total of 27 cycle parking spaces will therefore be provided within a secure cycle store at ground floor level, in accordance with both LBC and TfL standards.

Servicing

- 3.13 It has been confirmed with LBC that servicing of the proposed B1c employment unit, can be carried out on-street. Given the size of unit proposed, it is considered that the number of service vehicle movements will be minimal, and will be undertaken by transit type vans.
- 3.14 The closure of the existing vehicular access to the site will provide sufficient frontage to allow this servicing to be undertaken without detriment to the flow of existing vehicles on Iverson Road, including those associated with other sites adjacent sites which benefit from vehicular access points.
- 3.15 It is also envisaged that refuse and recycling collections for both the employment and residential uses will also be carried out on-street.

4 POLICY CONTEXT

- 4.1 This section of the report provides a summary of relevant policy guidance, both at a national and local level.

National Policy

- 4.2 The National Planning Policy Framework (NPPF) set out the Government's planning policies for England and how these are expected to be applied.

- 4.3 One of the 12 core land-use principles within the NPPF includes:

"[to] actively manage patterns of growth to make the fullest possible use of public transport, walking and cycling, and focus significant development in locations which are or can be made sustainable."

- 4.4 Section 4 of the NPPF deals with 'Promoting sustainable transport.' Paragraph 29 states that:

"The transport system needs to be balanced in favour of sustainable transport modes, giving people a real choice about how they travel."

- 4.5 Paragraph 30 goes on to say that *"In preparing Local Plans, local planning authorities should therefore support a pattern of development which, where reasonable to do so, facilitates the use of sustainable modes of transport."*

- 4.6 Consideration of the accessibility of the site by sustainable travel modes, including public transport, walk and cycle is set out within **Section 2** of this report, where it is shown that the site benefits from an excellent level of public transport services.

- 4.7 Paragraph 32 sets out the transport issues which should be addressed within Development Plans and decisions. These are:

- "The opportunities for sustainable transport modes have been taken up depending on the nature and location of the site, to reduce the need for major transport infrastructure;
- Safe and suitable access to the site can be achieved for all people; and

- Improvements can be undertaken within the transport network that cost effectively limit the significant impacts of the development.

4.8 Paragraph 32 also states:

“Development should only be prevented or refused on transport grounds where the residual cumulative impacts of development are severe.”

4.9 **Section 5** considers the impact of the development proposals on various modes of travel demonstrating how the additional trips generated will have no impact.

Regional Policy

London Plan

4.10 The London Plan, Spatial Development Strategy for Greater London (July 2011) sets out an integrated economic, environmental, transport and social framework for the development of London over the next 20-25 years.

4.11 One of the Mayor’s six objectives for London is:

“A city where it is easy, safe and convenient for everyone to access jobs, opportunities and facilities with an efficient and effective transport system which actively encourages more walking and cycling, makes better use of the Thames and supports delivery of all the objectives of this Plan.”

4.12 The transport aspects of the London Plan, relevant to the proposed development, are discussed in the following paragraphs.

4.13 Policy 6.1 establishes the Mayor’s strategic approach to transport. Of relevance it states that the mayor will encourage the closer integration of transport and development by:

“a. encouraging patterns and nodes of development that reduce the need to travel, especially by car;

b. seeking to improve the capacity and accessibility of public transport, walking and cycling;

- g. supporting measures that encourage shifts to more sustainable modes and appropriate demand management; and*
- i. promoting walking by ensuring an improved urban realm.”*

4.14 In relation to walking, Policy 6.10 states that in respect of planning decisions:

“Development proposals should ensure high quality pedestrian environments and emphasis the quality of the pedestrian and street space.”

Local Policy

4.15 Local policy is contained within the Camden Local Development Framework (LDF) which was adopted in November 2010 and superseded the 2006 Camden Unitary Development Plan. The LDF documents consist of the London Borough of Camden Core Strategy 2010-2025 and Development Policies.

Core Strategy

- 4.16 The Camden Core Strategy 2010-2025 is part of the Camden Local Development Framework, which sets out the Council’s planning strategy and policies.
- 4.17 Policy CS3 states that the Council will promote appropriate development in the “highly accessible area” of the town centre of West Hampstead. It considers the area to be a suitable location for the provision of homes, and particularly useful for land uses that are likely to significantly increase the demand for travel, due to its accessible location.
- 4.18 Policy CS11 states that the Council will minimise provision for private parking in new developments, through car free developments in the borough’s most accessible locations. It requires developments to recognise Camden’s road hierarchy and ensure the development does not harm the management of the road network.

Development Policies

- 4.19 Policy DP16 looks at the transport implications of development, and expects development proposals to ensure that there are sufficient walking, cycling and public transport links. Developers are expected to assess and address the need for:

“a) movements to, from and within the site, including links to existing transport networks. The Council will expect proposals to make appropriate connections to highways and street spaces, in accordance with Camden's road hierarchy, and to public transport networks;

b) additional transport capacity off-site (such as improved infrastructure and services) where existing or committed capacity cannot meet the additional need generated by the development. Where appropriate, the Council will expect proposals to provide information to indicate the likely impacts of the development and the steps that will be taken to mitigate those impacts, for example using transport assessments and travel plans;

- 4.20 Policy DP17 relates to the development's requirement to provide suitable walking, cycling and public transport facilities, and also provision for interchanging between different modes of transport. This provision may include:

“a) convenient, safe and well-signalled routes including footways and cycleways designed to appropriate widths;

b) other features associated with pedestrian and cycling access to the development, where needed, for example seating for pedestrians, signage and high quality cycle parking;

c) safe road crossings where needed;

d) bus stops, shelters, passenger seating and waiting areas, signage and timetable information”

- 4.21 Policy DP17 states that the Council will resist development that would be dependent on travel by private motor vehicles.

- 4.22 Policy DP18 relating to car parking standards states that development should comply with the Council's parking standards, and the area of West Hampstead is expected to be 'car free'. The Council will:

“a) limit on-site car parking to:

- spaces designated for disabled people,*
- any operational or servicing needs*

b) not issue on-street parking permits

c) use a legal agreement to ensure that future occupants are aware they are no entitled to on-street parking permits”

- 4.23 With regard to cycle parking, Policy DP18 requires developments to meet the Council’s minimum standards for cycle parking (details of which are set out within **Section 3** of this report).

5 DEVELOPMENT IMPACT

5.1 This section of the report assesses the impact of the proposed development, in terms of net trip generation between the existing and proposed land uses.

Existing Use

5.2 As noted previously, the site is currently occupied by a tyre sales centre, Iverson Tyres Ltd. In order to assess the volume of trips generated by the existing use, the TRICS database has been examined and the trip rates for a number of similar sites extracted. No suitable comparison sites were identified within the TRAVL database.

5.3 The following parameters were used within the TRICS site selection process:

- Land use category 'Vehicle Services';
- Sub Land use category 'Motorist Centre (Fast Fit)';
- Greater London sites only
- Surveys from 01/01/2000 onwards
- Weekday surveys only

5.4 TRICS defines this land use as "garages which fit tyres, exhausts and brakes to vehicles on an 'as you wait' basis." It does not include sites where the sale of vehicles takes place.

5.5 It should be noted that the sites selected within TRICS do not provide full multi-modal data, however the nature of the current use means that trips are likely to be undertaken predominantly by car, with only a small number of employee related trips being undertaken by non-car modes of travel.

5.6 The results of the TRICS assessment are presented below in **Table 5.1** and the TRICS output at **Appendix D**.

Table 5.1 – TRICS Assessment- Vehicle Trips (Tyre Sales Unit)

	AM Peak (08:00 – 09:00)		PM Peak (17:00 – 18:00)		Daily Trips		
	Arr	Dep	Arr	Dep	Arr	Dep	Total
Trip Rate per Hectare	54.90	21.57	31.37	43.14	575.91	563.59	1139.50
Vehicles	5	2	3	4	52	51	104

5.7 The trip generation presented represents

Proposed Land Use

Residential

5.8 In order to determine the net change in trip generation between the existing and proposed land uses, trip rates have been extracted from the TRAVL database for the residential land use at the site. The following parameters were used in the site selection process:

- C3 Residential land use
- Greater London sites only
- Car-free developments
- PTAL 3 – 6

5.9 The trip rates derived from the TRAVL assessment for vehicular modes are presented below in **Tables 5.2 – 5.4 below**, whilst the TRAVL output is contained within **Appendix E**.

Table 5.2 – TRAVL Assessment- All Modes (Residential Use)

	AM Peak (08:00 – 09:00)		PM Peak (17:00 – 18:00)		Daily Trips		
	Arr	Dep	Arr	Dep	Arr	Dep	Total
Trip Rate	0.200	1.200	0.831	0.569	5.999	5.866	11.865
Trips	4	23	16	11	114	111	225

Table 5.3 – TRAVL Assessment- Car Driver (Residential Use)

	AM Peak (08:00 – 09:00)		PM Peak (17:00 – 18:00)		Daily Trips		
	Arr	Dep	Arr	Dep	Arr	Dep	Total
Trip Rate	0.015	0.031	0.031	0.015	0.292	0.261	0.554
Trips	0	1	1	0	6	5	11

Table 5.4 – TRAVL Assessment- Pedal Cycle (Residential Use)

	AM Peak (08:00 – 09:00)		PM Peak (17:00 – 18:00)		Daily Trips		
	Arr	Dep	Arr	Dep	Arr	Dep	Total
Trip Rate	0.015	0.031	0.000	0.000	0.154	0.215	0.369
Trips	0	1	0	0	3	4	7

- 5.10 The TRAVL surveys do not provide a full breakdown of trips by public transport and therefore in order to calculate the number of trips generated across all non-vehicle modes, 2011 Census journey to work data has been used to provide an estimated mode share. The mode share data is presented below in **Table 5.5**
- 5.11 It is noted that journeys will be undertaken in association with purposes other than employment, however this is considered to be the most appropriate methodology and data for determining trips by non-vehicular modes.

Table 5.5 – 2011 Census Method of Travel to Work- Non-Vehicular Trips

Mode	Mode Share (%)
Underground	64%
Train	16%
Bus	12%
Walk	8%
Total Non-Vehicular Trips	100%

- 5.12 Using this Census data, the number of non-vehicular trips has been calculated and is presented in **Table 5.6** below.

Table 5.6 – TRAVL Assessment- Non-Vehicular Modes (Residential Use)

	AM Peak (08:00 – 09:00)		PM Peak (17:00 – 18:00)		Daily Trips		
	Arr	Dep	Arr	Dep	Arr	Dep	Total
Underground	3	13	10	7	67	65	132
Train	1	3	2	2	17	16	33
Bus	0	3	2	1	13	12	25
Walk	0	2	1	1	8	8	16

Employment (B1c)

- 5.13 The TRAVL and TRICS database do not contain any suitable comparison sites to allow trip generation associated with the proposed employment unit to be calculated. It is expected that due to the small size of the employment area (164 sqm GFA) and the nature of the unit as a flexible workshop/ studio space, very few trips will be generated. In addition it is expected that trips will be undertaken by non-car modes of travel due to the highly accessibility nature of the site.

5.14 The only expected vehicle trips will be for servicing and refuse collection, which are proposed to take place infrequently and on-street, as discussed in Section 3 of this report.

5.15 It is therefore considered that the impact of the B1c employment unit will be negligible.

Net Trip Generation

5.16 A comparison of total daily trips (two-way) generated by the existing and proposed land uses is presented below in **Table 5.7**.

Table 5.7 – Net Trip Generation by Mode

Mode	Existing Land Use	Proposed Land Use (Residential)	Net Change (Daily Trips)
Car Driver	104	11	-93
Underground/ Light Rail	-	132	+132
Train	-	33	+33
Bus	-	25	+25
Walk	-	17	+17
Pedal Cycle	-	7	+7
TOTAL	104	225	+121

5.17 It can be observed from Table 5.7 that 121 additional trips per day are expected to be generated by the proposed development. However, all of these trips are undertaken by sustainable modes of travel, with a significant reduction in the number of vehicle trips. Therefore the impact of the proposed development on the local highway network in comparison with the existing land use is considered to be positive.

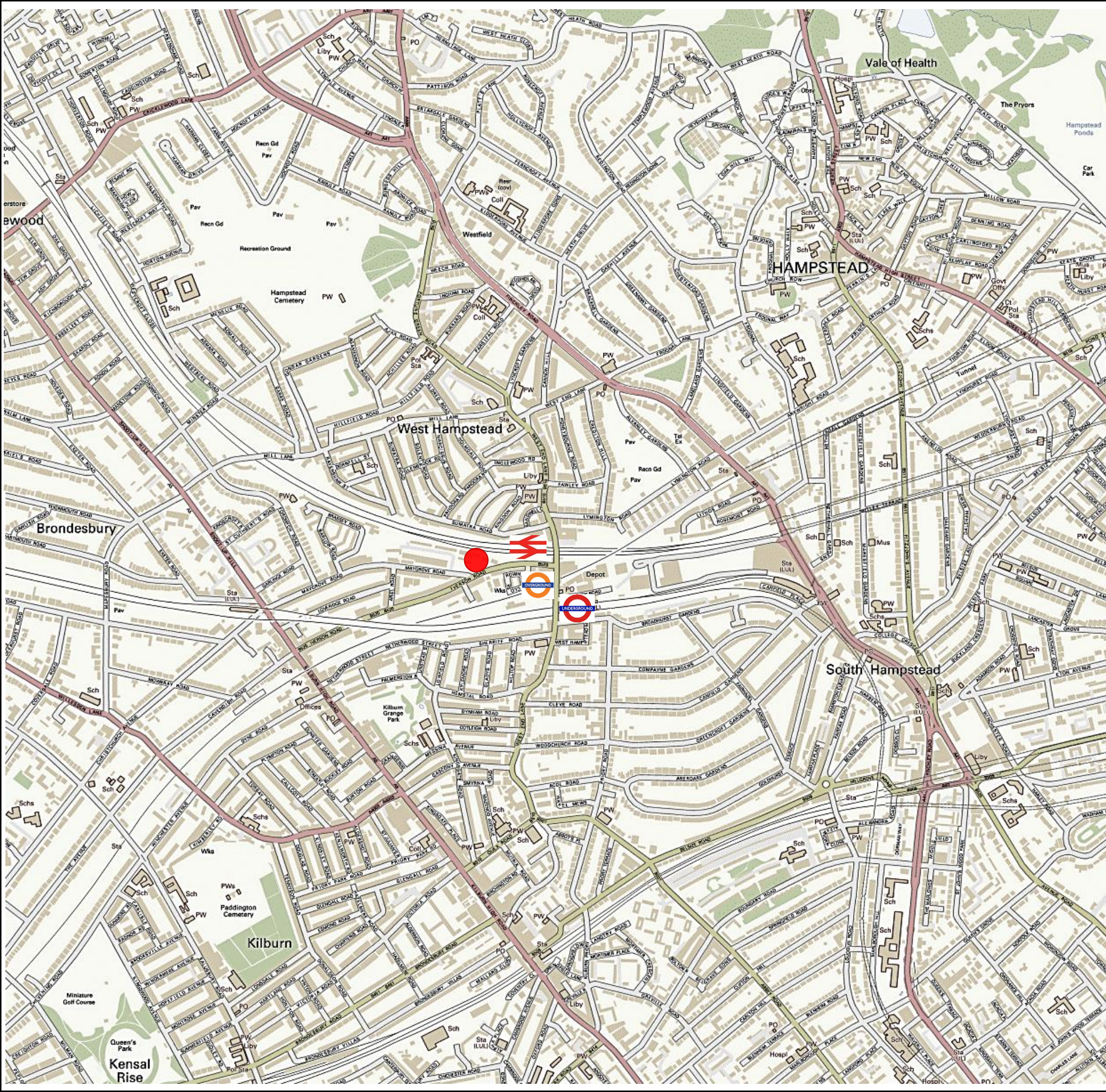
6 SUMMARY AND CONCLUSIONS

- 6.1 Vectos has been appointed by McGregor Homes Ltd, to provide traffic and transport advice in relation to a planning application for a proposed mixed use residential and employment development at 159-161 Iverson Road, Camden.
- 6.2 The site is currently occupied by a tyre sales centre, Iverson Tyres Ltd, which comprises a one-storey warehouse building, three portacabins and a forecourt.
- 6.3 The development proposals include:
- the demolition of the existing tyre sales centre, Iverson Tyres Ltd;
 - the erection of 19 residential units, 4 of which will be affordable; and
 - a 164 sqm B1c employment use at the ground floor.
- 6.4 The 19 residential units, ranging between 1 and 3 bedrooms, will be located over five floors, with three affordable units, two of which will be wheelchair accessible and the employment space located at the ground level.
- 6.5 As part of the development, the existing vehicular access to the site will be closed and the footway re-instated.
- 6.6 The site is situated within a highly accessible location and has a PTAL of 5. There are a number of bus, overground, underground and rail routes which combine to provide a variety of high frequency service to a number of destinations. Pedestrian provision surrounding the site is good, providing a good level of accessibility to these public transport interchanges and a range of local facilities.
- 6.7 In accordance with LBC policies, it is proposed that the development will be car-free in that no on-site car parking will be provided for either the residential or employment land use at the site and that no on-street parking permits will be permitted for new residents. Two disabled parking spaces will be provided on-street adjacent to the development site. Servicing will also be carried out on-street.
- 6.8 27 cycle parking spaces will be provided within a secure cycle store at ground floor level, in accordance with LBC and TfL standards.

Conclusion

- 6.9 It can be concluded that the site adheres to LBC policy and will not have a detrimental impact on the surrounding highway and public transport network.

FIGURES



Key:



Site Location



West Hampstead Thameslink
Rail Station



West Hampstead Overground
Station



West Hampstead Underground
Station

159-161 Iverson Road, Camden

McGregor Homes Ltd

Strategic Site Location Plan

SCALES:

NTS

DRAWN:
GS

CHECKED:
CE

DATE:
08/11/13

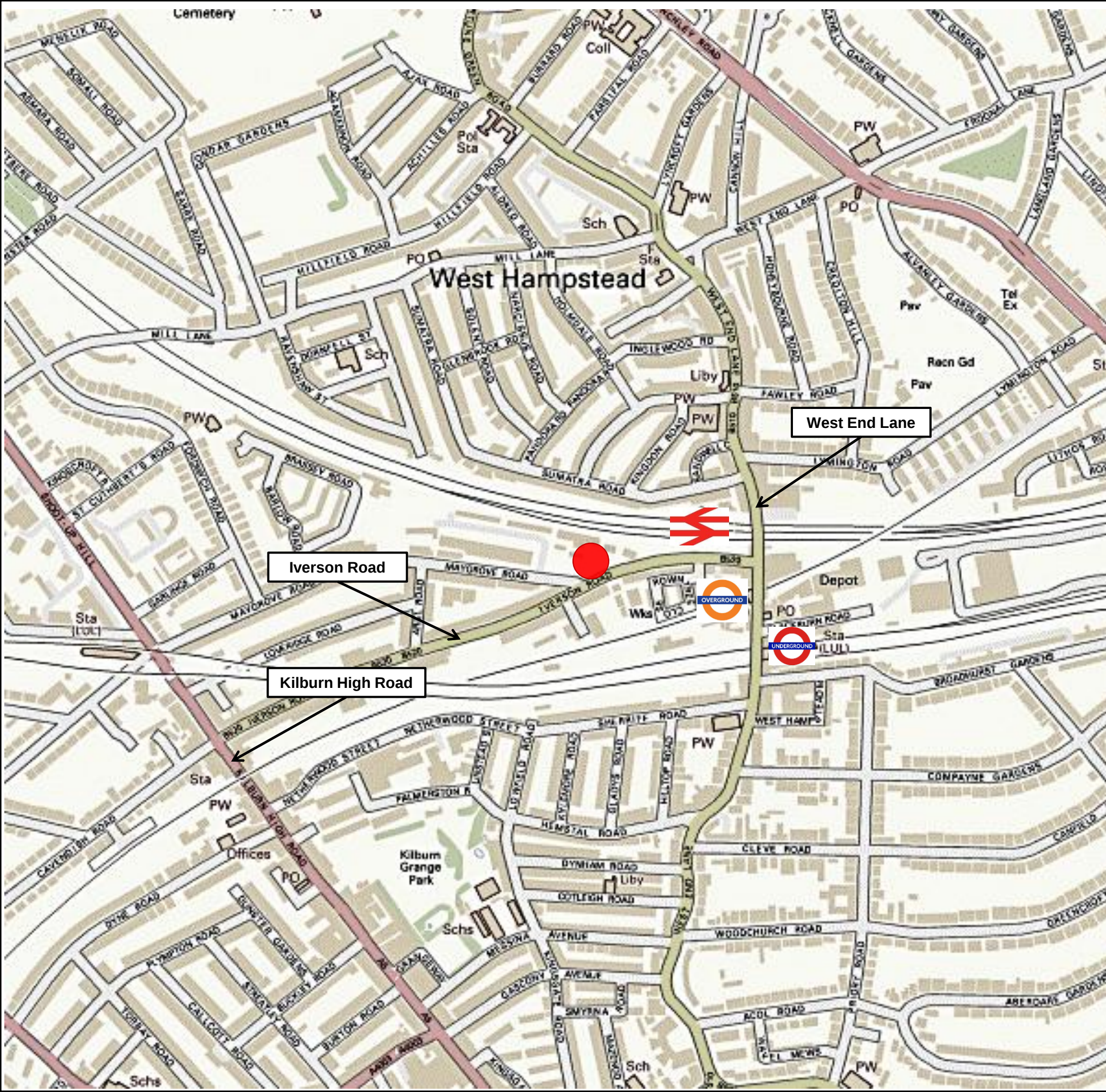
REVISION:
•



Network Building, 97 Tottenham Court Road, London W1T 4TP
Tel: 020 7580 7373 Email: london@vectos.co.uk www.vectos.co.uk

DRAWING REFERENCE:

Figure 1



Key:



Site Location



West Hampstead Thameslink
Rail Station



West Hampstead Overground
Station



West Hampstead Underground
Station

159-161 Iverson Road, Camden

McGregor Homes Ltd

Local Context Site Location Plan

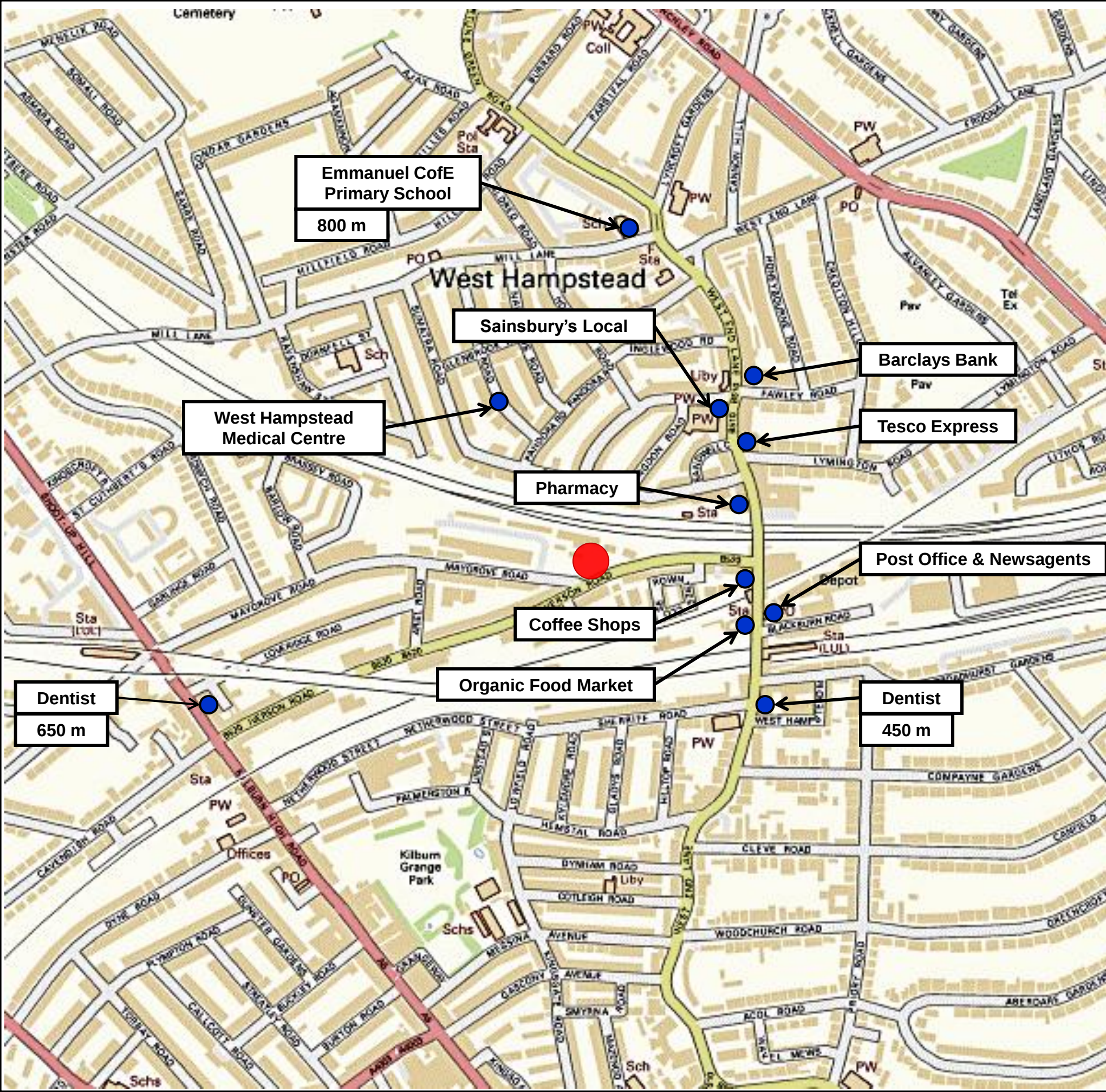
SCALES: NTS

DRAWN: GS	CHECKED: CE	DATE: 08/11/13	REVISION: •
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Network Building, 97 Tottenham Court Road, London W1T 4TP
Tel: 020 7580 7373 Email: london@vectos.co.uk www.vectos.co.uk

DRAWING REFERENCE: Figure 2



Key:



Site Location



Local Amenity

159-161 Iverson Road, Camden

McGregor Homes Ltd

Local Facilities Plan

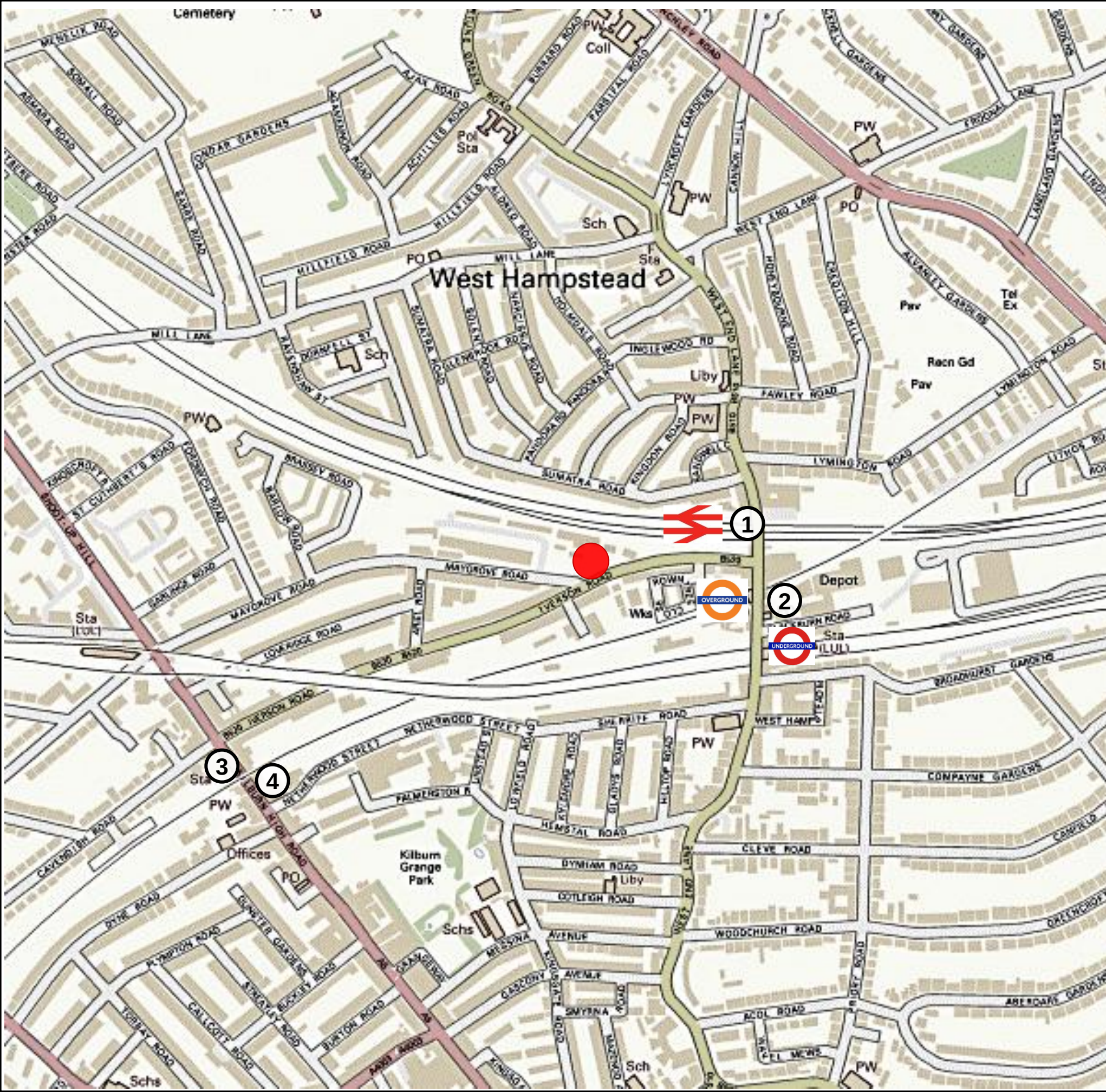
SCALES: NTS

DRAWN: GS	CHECKED: CE	DATE: 08/11/13	REVISION: •
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Network Building, 97 Tottenham Court Road, London W1T 4TP
Tel: 020 7580 7373 Email: london@vectos.co.uk www.vectos.co.uk

DRAWING REFERENCE: Figure 3



Key:



Site Location



West Hampstead Thameslink
Rail Station



West Hampstead Overground
Station



West Hampstead Underground
Station



Bus Stop Location

159-161 Iverson Road, Camden

McGregor Homes Ltd

Public Transport Facilities Plan

SCALES:

NTS

DRAWN:
GS

CHECKED:
CE

DATE:
08/11/13

REVISION:
•



Network Building, 97 Tottenham Court Road, London W1T 4TP
Tel: 020 7580 7373 Email: london@vectos.co.uk www.vectos.co.uk

DRAWING REFERENCE:

Figure 4

APPENDIX A

PTAL Report

PTAI Study Report File Summary

PTAI Run Parameters

PTAI Run 20131811145050
Description 20131811145050
Run by user PTAL web application
Date and time 18/11/2013 14:50

Walk File Parameters

Walk File	PLSQLTest
Day of Week	M-F
Time Period	AM Peak
Walk Speed	4.8 kph
BUS Walk Access Time (mins)	8
BUS Reliability Factor	2.0
LU LRT Walk Access Time (mins)	12
LU LRT Reliability Factor	0.75
NATIONAL_RAIL Walk Access Time (mins)	12
NATIONAL_RAIL Reliability Factor	0.75

Coordinates: 525306, 184767

Mode	Stop	Route	Distance (metres)	Frequency (vph)	Weight	Walk time (mins)	SWT (mins)	TAT (mins)	EDF	AI
BUS	WEST HAMPSTEAD STATION	C11	214.53	7.5	0.5	2.68	6.0	8.68	3.46	1.73

BUS	WEST HAMPSTEAD STATION	139	214.53	7.5	0.5	2.68	6.0	8.68	3.46	1.73
BUS	WEST HAMPSTEAD STATION	328	214.53	9.0	1.0	2.68	5.33	8.01	3.74	3.74
LU LRT	West Hampstead	Jubilee Line Stanmore to Stratford	350.52	17.8	1.0	4.38	2.44	6.82	4.4	4.4
LU LRT	West Hampstead	Jubilee Line Willesden Green to Stratford	350.52	4.4	0.5	4.38	7.57	11.95	2.51	1.26
LU LRT	West Hampstead	Jubilee Line Wembley Park to Stratford	350.52	4.4	0.5	4.38	7.57	11.95	2.51	1.26
NATIONAL_RAIL	WEST HAMPSTEAD	RICHMOND to STRATFORD	270.21	4.0	1.0	3.38	8.25	11.63	2.58	2.58
NATIONAL_RAIL	WEST HAMPSTEAD	CLAPHAM JUNCTION to STRATFORD	270.21	2.0	0.5	3.38	15.75	19.13	1.57	0.78
NATIONAL_RAIL	WEST HAMPSTEAD THAMESLINK	ST ALBANS BR to WEST NORWOOD BR	371.34	0.33	0.5	4.64	91.66	96.3	0.31	0.16
NATIONAL_RAIL	WEST HAMPSTEAD THAMESLINK	WIMBLEDON BR to BEDFORD MIDLAND	371.34	0.33	0.5	4.64	91.66	96.3	0.31	0.16
NATIONAL_RAIL	WEST HAMPSTEAD THAMESLINK	ST ALBANS BR to MOORGATE	371.34	0.67	0.5	4.64	45.53	50.17	0.6	0.3
NATIONAL_RAIL	WEST HAMPSTEAD THAMESLINK	MOORGATE to LUTON	371.34	0.33	0.5	4.64	91.66	96.3	0.31	0.16

NATIONAL_RAIL	WEST HAMPSTEAD THAMESLINK	MOORGATE to ST ALBANS BR	371.34	1.0	0.5	4.64	30.75	35.39	0.85	0.42
NATIONAL_RAIL	WEST HAMPSTEAD THAMESLINK	MOORGATE to LUTON	371.34	0.67	0.5	4.64	45.53	50.17	0.6	0.3
NATIONAL_RAIL	WEST HAMPSTEAD THAMESLINK	WIMBLEDON BR to LUTON	371.34	0.33	0.5	4.64	91.66	96.3	0.31	0.16
NATIONAL_RAIL	WEST HAMPSTEAD THAMESLINK	ST ALBANS BR to SUTTON (SURREY)	371.34	0.67	0.5	4.64	45.53	50.17	0.6	0.3
NATIONAL_RAIL	WEST HAMPSTEAD THAMESLINK	WIMBLEDON BR to ST ALBANS BR	371.34	1.33	0.5	4.64	23.31	27.95	1.07	0.54
NATIONAL_RAIL	WEST HAMPSTEAD THAMESLINK	LUTON to MOORGATE	371.34	0.67	0.5	4.64	45.53	50.17	0.6	0.3
NATIONAL_RAIL	WEST HAMPSTEAD THAMESLINK	LUTON to MOORGATE	371.34	0.33	0.5	4.64	91.66	96.3	0.31	0.16
NATIONAL_RAIL	WEST HAMPSTEAD THAMESLINK	BEDFORD MIDLAND to MOORGATE	371.34	1.0	0.5	4.64	30.75	35.39	0.85	0.42
NATIONAL_RAIL	WEST HAMPSTEAD THAMESLINK	SELHURST to ST ALBANS BR	371.34	0.33	0.5	4.64	91.66	96.3	0.31	0.16

Total AI for this POI is 21.02.

PTAL Rating is 5.

PTAI Study Report File Details

Date 18/11/2013 14:50

Day of week M-F

Time period AM peak

Walk speed 4.8 kph

Walk file PLSQLTest

POI Name: 525306, 184767

Bus Services

Reliability factor for this mode is 2

Maximum walk time for this mode is 8 minutes

Maximum walk distance for this mode is 640.0 metres

Stop WEST END LN SHERRIFF RD

Walk time to stop from POI is 5.92 minutes

Walk distance to stop from POI is 473.25 metres

Route C11 Direction OUT Frequency 7.5 giving AWT of 4.0 minutes

Route 139 Direction BACK Frequency 7.5 giving AWT of 4.0 minutes

Route 139 Direction OUT Frequency 7.5 giving AWT of 4.0 minutes

Route 139 Direction OUT Frequency 7.5 giving AWT of 4.0 minutes

Route 139 Direction BACK Frequency 7.5 giving AWT of 4.0 minutes

Route 328 Direction BACK Frequency 9.0 giving AWT of 3.33 minutes

Route 328 Direction BACK Frequency 6.0 giving AWT of 5.0 minutes

Route 328 Direction OUT Frequency 9.0 giving AWT of 3.33 minutes

Route 328 Direction OUT Frequency 6.0 giving AWT of 5.0 minutes

Stop W HAMP STN BROADHURST GS

Walk time to stop from POI is 5.66 minutes

Walk distance to stop from POI is 453.19 metres

Route C11 Direction BACK Frequency 7.5 giving AWT of 4.0 minutes

Stop SHERRIFF ROAD STAND

Walk time to stop from POI is 5.74 minutes

Walk distance to stop from POI is 459.28 metres

Stop WEST HAMPSTEAD STATION

Walk time to stop from POI is 2.68 minutes

Walk distance to stop from POI is 214.53 metres

Route C11 Direction OUT Frequency 7.5 giving AWT of 4.0 minutes

Route C11 Direction BACK Frequency 7.5 giving AWT of 4.0 minutes
Route 139 Direction BACK Frequency 7.5 giving AWT of 4.0 minutes
Route 139 Direction OUT Frequency 7.5 giving AWT of 4.0 minutes
Route 139 Direction BACK Frequency 7.5 giving AWT of 4.0 minutes
Route 139 Direction OUT Frequency 7.5 giving AWT of 4.0 minutes
Route 328 Direction BACK Frequency 9.0 giving AWT of 3.33 minutes
Route 328 Direction BACK Frequency 6.0 giving AWT of 5.0 minutes
Route 328 Direction OUT Frequency 9.0 giving AWT of 3.33 minutes
Route 328 Direction OUT Frequency 6.0 giving AWT of 5.0 minutes

Stop DENNINGTON PARK ROAD

Walk time to stop from POI is 5.44 minutes

Walk distance to stop from POI is 435.56 metres

Route C11 Direction OUT Frequency 7.5 giving AWT of 4.0 minutes
Route C11 Direction BACK Frequency 7.5 giving AWT of 4.0 minutes
Route 139 Direction BACK Frequency 7.5 giving AWT of 4.0 minutes
Route 139 Direction OUT Frequency 7.5 giving AWT of 4.0 minutes
Route 139 Direction BACK Frequency 7.5 giving AWT of 4.0 minutes
Route 139 Direction OUT Frequency 7.5 giving AWT of 4.0 minutes
Route 328 Direction BACK Frequency 9.0 giving AWT of 3.33 minutes
Route 328 Direction BACK Frequency 6.0 giving AWT of 5.0 minutes
Route 328 Direction OUT Frequency 9.0 giving AWT of 3.33 minutes
Route 328 Direction OUT Frequency 6.0 giving AWT of 5.0 minutes

TATs for this mode

Route C11 Stop WEST HAMPSTEAD STATION TAT 8.68 minutes EDF 3.46

Route 139 Stop WEST HAMPSTEAD STATION TAT 8.68 minutes EDF 3.46

Route 328 Stop WEST HAMPSTEAD STATION TAT 8.01 minutes EDF 3.74

Best EDF is 3.74

Half of all other EDFs is 3.46

AI for this mode is 7.2

Underground Services

Reliability factor for this mode is .75

Maximum walk time for this mode is 12 minutes

Maximum walk distance for this mode is 960.0 metres

Stop Kilburn

Walk time to stop from POI is 8.93 minutes

Walk distance to stop from POI is 714.49 metres

Route Jubilee Line Stratford to Stanmore Direction N/B Frequency 17.8 giving AWT of 1.69 minutes

Route Jubilee Line Willesden Green to Stratford Direction S/B Frequency 4.4 giving AWT of 6.82 minutes
Route Jubilee Line Stanmore to Stratford Direction S/B Frequency 17.8 giving AWT of 1.69 minutes
Route Jubilee Line Stratford to Wembley Park Direction N/B Frequency 4.4 giving AWT of 6.82 minutes
Route Jubilee Line Stratford to Willesden Green Direction N/B Frequency 4.4 giving AWT of 6.82 minutes
Route Jubilee Line Wembley Park to Stratford Direction S/B Frequency 4.4 giving AWT of 6.82 minutes

Stop West Hampstead

Walk time to stop from POI is 4.38 minutes

Walk distance to stop from POI is 350.52 metres

Route Jubilee Line Wembley Park to Stratford Direction S/B Frequency 4.4 giving AWT of 6.82 minutes
Route Jubilee Line Stanmore to Stratford Direction S/B Frequency 17.8 giving AWT of 1.69 minutes
Route Jubilee Line Stratford to Stanmore Direction N/B Frequency 17.8 giving AWT of 1.69 minutes
Route Jubilee Line Willesden Green to Stratford Direction S/B Frequency 4.4 giving AWT of 6.82 minutes
Route Jubilee Line Stratford to Willesden Green Direction N/B Frequency 4.4 giving AWT of 6.82 minutes
Route Jubilee Line Stratford to Wembley Park Direction N/B Frequency 4.4 giving AWT of 6.82 minutes

TATs for this mode

Route Jubilee Line Stanmore to Stratford Stop West Hampstead TAT 6.82 minutes EDF 4.4

Route Jubilee Line Willesden Green to Stratford Stop West Hampstead TAT 11.95 minutes EDF 2.51

Route Jubilee Line Wembley Park to Stratford Stop West Hampstead TAT 11.95 minutes EDF 2.51

Best EDF is 4.4

Half of all other EDFs is 2.51

AI for this mode is 6.91

Rail Services

Reliability factor for this mode is .75

Maximum walk time for this mode is 12 minutes

Maximum walk distance for this mode is 960.0 metres

Stop WEST HAMPSTEAD

Walk time to stop from POI is 3.38 minutes

Walk distance to stop from POI is 270.21 metres

Route RICHMOND to STRATFORD Direction T504-T750 Frequency 4.0 giving AWT of 7.5 minutes

Route CLAPHAM JUNCTION to STRATFORD Direction T528-T750 Frequency 2.0 giving AWT of 15.0 minutes

Stop BRONDESBURY

Walk time to stop from POI is 8.37 minutes

Walk distance to stop from POI is 669.94 metres

Route CLAPHAM JUNCTION to STRATFORD Direction T528-T750 Frequency 2.0 giving AWT of 15.0 minutes

Route RICHMOND to STRATFORD Direction T504-T750 Frequency 4.0 giving AWT of 7.5 minutes

Stop WEST HAMPSTEAD THAMESLINK

Walk time to stop from POI is 4.64 minutes

Walk distance to stop from POI is 371.34 metres

Route ST ALBANS BR to WEST NORWOOD BR Direction T86-T437 Frequency 0.33 giving AWT of 90.91 minutes
Route WIMBLEDON BR to BEDFORD MIDLAND Direction T512-T72 Frequency 0.33 giving AWT of 90.91 minutes
Route ST ALBANS BR to MOORGATE Direction T86-T621 Frequency 0.67 giving AWT of 44.78 minutes
Route MOORGATE to LUTON Direction T621-T82 Frequency 0.33 giving AWT of 90.91 minutes
Route MOORGATE to ST ALBANS BR Direction T621-T86 Frequency 1.0 giving AWT of 30.0 minutes
Route MOORGATE to LUTON Direction T621-T82 Frequency 0.67 giving AWT of 44.78 minutes
Route WIMBLEDON BR to LUTON Direction T512-T82 Frequency 0.33 giving AWT of 90.91 minutes
Route ST ALBANS BR to SUTTON (SURREY) Direction T86-T390 Frequency 0.67 giving AWT of 44.78 minutes
Route WIMBLEDON BR to ST ALBANS BR Direction T512-T86 Frequency 1.33 giving AWT of 22.56 minutes
Route LUTON to MOORGATE Direction T82-T621 Frequency 0.67 giving AWT of 44.78 minutes
Route LUTON to MOORGATE Direction T82-T621 Frequency 0.33 giving AWT of 90.91 minutes
Route BEDFORD MIDLAND to MOORGATE Direction T72-T621 Frequency 1.0 giving AWT of 30.0 minutes
Route SELHURST to ST ALBANS BR Direction T433-T86 Frequency 0.33 giving AWT of 90.91 minutes

TATs for this mode

Route RICHMOND to STRATFORD Stop WEST HAMPSTEAD TAT 11.63 minutes EDF 2.58
Route CLAPHAM JUNCTION to STRATFORD Stop WEST HAMPSTEAD TAT 19.13 minutes EDF 1.57
Route ST ALBANS BR to WEST NORWOOD BR Stop WEST HAMPSTEAD THAMESLINK TAT 96.3 minutes EDF 0.31
Route WIMBLEDON BR to BEDFORD MIDLAND Stop WEST HAMPSTEAD THAMESLINK TAT 96.3 minutes EDF 0.31
Route ST ALBANS BR to MOORGATE Stop WEST HAMPSTEAD THAMESLINK TAT 50.17 minutes EDF 0.6
Route MOORGATE to LUTON Stop WEST HAMPSTEAD THAMESLINK TAT 96.3 minutes EDF 0.31
Route MOORGATE to ST ALBANS BR Stop WEST HAMPSTEAD THAMESLINK TAT 35.39 minutes EDF 0.85
Route MOORGATE to LUTON Stop WEST HAMPSTEAD THAMESLINK TAT 50.17 minutes EDF 0.6
Route WIMBLEDON BR to LUTON Stop WEST HAMPSTEAD THAMESLINK TAT 96.3 minutes EDF 0.31
Route ST ALBANS BR to SUTTON (SURREY) Stop WEST HAMPSTEAD THAMESLINK TAT 50.17 minutes EDF 0.6
Route WIMBLEDON BR to ST ALBANS BR Stop WEST HAMPSTEAD THAMESLINK TAT 27.95 minutes EDF 1.07
Route LUTON to MOORGATE Stop WEST HAMPSTEAD THAMESLINK TAT 50.17 minutes EDF 0.6
Route LUTON to MOORGATE Stop WEST HAMPSTEAD THAMESLINK TAT 96.3 minutes EDF 0.31
Route BEDFORD MIDLAND to MOORGATE Stop WEST HAMPSTEAD THAMESLINK TAT 35.39 minutes EDF 0.85
Route SELHURST to ST ALBANS BR Stop WEST HAMPSTEAD THAMESLINK TAT 96.3 minutes EDF 0.31

Best EDF is 2.58

Half of all other EDFs is 4.3

AI for this mode is 6.88

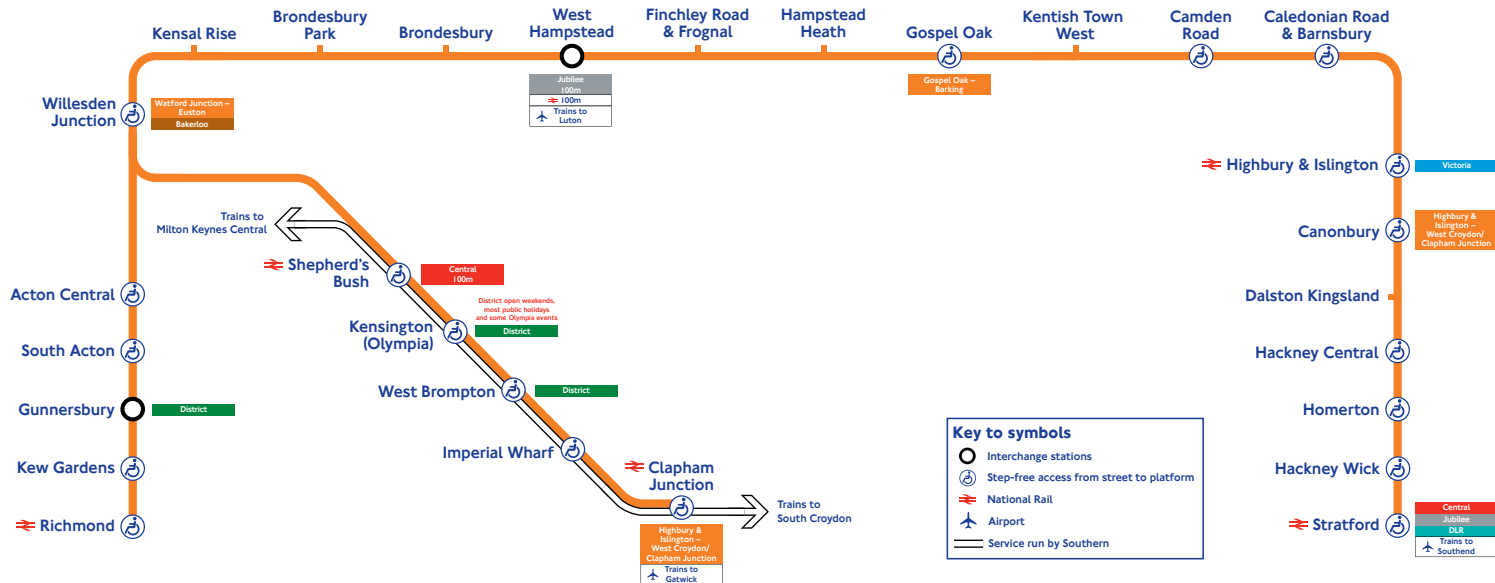
Total AI for this POI is 20.99. X: 525306, Y: 184767.

PTAL Rating is 5.

APPENDIX B

Richmond / Clapham Junction – Stratford Overground Route Map

Richmond/Clapham Junction – Stratford



Eastbound towards Stratford

2

Mondays to Fridays

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Eastbound towards Stratford

3

Mondays to Fridays

	SN	SN N	SN P		SN		SN Q		SN		SN P		SN R																	
Richmond	⊖			0834			0852			0910			0927			0936			0959		1008		1028		1038		1058			
Kew Gardens	⊖			0837			0855			0913			0930			0939			1002		1011		1031		1041		1101			
Gunnersbury	⊖			0840			0858			0916			0933			0942			1005		1014		1034		1044		1104			
South Acton				0843			0901			0919			0936			0945			1008		1017		1037		1047		1107			
Acton Central				0847			0905			0922			0940			0950			1011		1020		1040		1050		1110			
Clapham Junction		0812	0819	0830		0839	0845		0850	0901		0905	0916		0924	0931		0939	0946		1001		1016		1031		1039	1046		
Imperial Wharf		0819	0823	0834		0844	0849		0854	0905		0909	0920		0928	0935		0944	0950		1005		1020		1035		1044	1050		
West Brompton		0822	0826	0837		0847	0852		0857	0908		0912	0923		0931	0938		0947	0953		1008		1023		1038		1047	1053		
Kensington (Olympia)		0826	0830	0840		0850	0855		0901	0911		0916	0926		0935	0941		0950	0956		1011		1026		1041		1050	1056		
Shepherd's Bush		0830	0833	0842		0853	0857		0903	0913		0918	0928		0937	0943		0953	0958		1013		1028		1043		1053	1058		
Willesden Junction				0850	0855		0905	0912		0920	0927		0936	0946		0951	0956		1006	1017	1022	1026	1036	1046	1053	1056		1106	1116	then at the same time past each hour until
Kensal Rise				0852	0857		0907	0914		0922	0929		0938	0948			0958		1008	1019		1028	1038	1048		1058		1108	1118	
Brondesbury Park				0854	0859		0909	0916		0924	0931		0940	0950			1000		1010	1021		1030	1040	1050		1100		1110	1120	
Brondesbury				0856	0901		0911	0918		0926	0933		0942	0952			1002		1012	1023		1032	1042	1052		1102		1112	1122	
West Hampstead				0858	0903		0913	0920		0928	0935		0944	0954			1004		1014	1025		1034	1044	1054		1104		1114	1124	
Finchley Road & Frognal				0859	0904		0914	0921		0929	0936		0945	0955			1005		1015	1026		1035	1045	1055		1105		1115	1125	
Hampstead Heath				0902	0907		0917	0924		0932	0939		0948	0958			1008		1018	1029		1038	1048	1058		1108		1118	1128	
Gospel Oak				0904	0911		0919	0926		0934	0941		0950	1000			1010		1020	1031		1040	1050	1100		1110		1120	1130	
Kentish Town West				0906	0913		0921	0928		0936	0943		0952	1002			1012		1022	1033		1042	1052	1102		1112		1122	1132	
Camden Road				0910	0917		0925	0932		0940	0947		0956	1006			1016		1026	1037		1046	1056	1106		1116		1126	1136	
Caledonian Road & Barnsbury				0913	0920		0928	0935		0943	0950		0959	1009			1019		1029	1040		1049	1059	1109		1119		1129	1139	
Highbury & Islington				0916	0923		0931	0938		0946	0953		1002	1012			1022		1032	1043		1052	1102	1112		1122		1132	1142	
Canonbury				0918	0925		0933	0940		0948	0955		1004	1014			1024		1034	1045		1054	1104	1114		1124		1134	1144	
Dalston Kingsland				0920	0927		0935	0942		0950	0957		1006	1016			1026		1036	1047		1056	1106	1116		1126		1136	1146	
Hackney Central				0922	0929		0937	0944		0952	0959		1008	1018			1028		1038	1049		1058	1108	1118		1128		1138	1148	
Homerton				0924	0931		0940	0946		0954	1001		1010	1020			1030		1040	1051		1100	1110	1120		1130		1140	1150	
Hackney Wick				0926	0933		0942	0948		0956	1003		1012	1022			1032		1042	1053		1102	1112	1122		1132		1142	1152	
Stratford				0933	0938		0948	0953		1005	1010		1019	1028			1038		1049	1058		1109	1119	1129		1139		1151	1159	

Eastbound towards Stratford

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Mondays to Fridays

SN R										SN R										SN R										SN	
Richmond	⊖		1410		1428		1438			1458		1508		1526		1538			1553		1609		1623		1634			1653			
Kew Gardens	⊖		1413		1431		1441			1501		1511		1529		1541			1556		1612		1626		1637			1656			
Gunnersbury	⊖		1416		1434		1444			1505		1514		1532		1544			1559		1615		1629		1640			1659			
South Acton			1419		1437		1447			1507		1517		1535		1547			1602		1618		1632		1643			1702			
Acton Central			1422		1440		1450			1510		1520		1538		1550			1606		1621		1636		1649			1706			
Clapham Junction		1401		1416		1431		1439	1446		1501		1516		1530		1539	1546		1600		1615		1630		1639	1645		1649	1700	
Imperial Wharf		1405		1420		1435		1444	1455		1505		1520		1534		1544	1550		1604		1619		1634		1644	1649		1653	1704	
West Brompton		1408		1423		1438		1447	1458		1508		1523		1537		1547	1553		1607		1622		1637		1647	1652		1656	1707	
Kensington (Olympia)		1411		1426		1441		1450	1501		1511		1526		1540		1550	1556		1610		1625		1640		1650	1655		1659	1710	
Shepherd's Bush		1413		1428		1443		1453	1503		1513		1528		1542		1553	1558		1612		1627		1642		1653	1657			1712	
Willesden Junction		1420	1426	1436	1446	1451	1456		1510	1516	1521	1526	1536	1545	1551	1556		1605	1612	1620	1627	1635	1642	1650	1657		1705	1712	1720		
Kensal Rise			1428	1438	1448		1458		1513	1518		1528	1538	1547	1553	1558		1608	1614	1622	1629	1637	1644	1652	1659		1707	1714	1722		
Brondesbury Park			1430	1440	1450		1500		1515	1520		1530	1540	1549	1555	1600		1610	1616	1624	1631	1639	1646	1654	1701		1709	1716	1724		
Brondesbury			1432	1442	1452		1502		1516	1522		1532	1542	1551	1557	1602		1612	1618	1626	1633	1641	1648	1656	1703		1711	1718	1726		
West Hampstead		1434	1444	1454		1504		1518	1524		1534	1544	1553	1559	1604		1614	1620	1628	1635	1643	1650	1658	1705		1713	1720		1728		
Finchley Road & Frognal			1435	1445	1455		1505		1520	1525		1535	1545	1554	1600	1605		1615	1621	1629	1636	1644	1651	1659	1706		1714	1721	1729		
Hampstead Heath			1438	1448	1458		1508		1522	1528		1538	1548	1557	1603	1608		1618	1624	1632	1639	1647	1654	1702	1709		1717	1724	1732		
Gospel Oak			1440	1450	1500		1510		1526	1530		1540	1550	1600	1605	1610		1620	1626	1634	1641	1649	1656	1704	1711		1719	1726	1734		
Kentish Town West			1442	1452	1502		1512		1528	1532		1542	1552	1602	1607	1612		1622	1628	1636	1643	1651	1658	1706	1713		1721	1728	1736		
Camden Road			1446	1456	1506		1516		1532	1536		1546	1556	1605	1611	1616		1625	1632	1640	1647	1655	1702	1710	1717		1725	1732	1740		
Caledonian Road & Barnsbury		1449	1459	1509		1519		1535	1539		1549	1559	1608	1614	1619		1628	1635	1643	1650	1658	1705	1713	1720		1728	1735		1743		
Highbury & Islington			1452	1502	1512		1522		1538	1542		1552	1602	1611	1617	1622		1631	1638	1646	1653	1701	1708	1716	1723		1731	1738	1746		
Canonbury			1454	1504	1514		1524		1540	1544		1554	1604	1613	1619	1624		1633	1640	1648	1655	1703	1710	1718	1725		1733	1740	1748		
Dalston Kingsland			1456	1506	1516		1526		1542	1546		1556	1606	1615	1621	1626		1635	1642	1650	1657	1705	1712	1720	1727		1735	1742	1750		
Hackney Central			1458	1508	1518		1528		1544	1548		1558	1608	1617	1623	1628		1637	1644	1652	1659	1707	1714	1722	1729		1737	1744	1752		
Homerton			1500	1510	1520		1530		1546	1550		1600	1610	1619	1625	1630		1639	1646	1654	1701	1709	1716	1724	1731		1739	1746	1754		
Hackney Wick			1502	1512	1522		1532		1549	1552		1602	1612	1621	1627	1632		1641	1648	1656	1703	1711	1718	1726	1733		1741	1748	1756		
Stratford			1512	1519	1530		1539		1554	1557		1609	1619	1627	1632	1639		1648	1654	1703	1710	1718	1724	1733	1738		1750	1754	1800		

Eastbound towards Stratford

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Mondays to Fridays

		SN				SN R				SN P				SN P				SN P											
Richmond	⊖	1706		1723		1736			1753		1806		1823		1836			1853		1911		1926		1941			1956		2007
Kew Gardens	⊖	1709		1726		1739			1756		1809		1826		1839			1856		1914		1929		1944			1959		2010
Gunnersbury	⊖	1712		1729		1742			1759		1812		1829		1842			1859		1917		1932		1947			2002		2013
South Acton		1715		1732		1745			1802		1815		1832		1845			1902		1920		1935		1950			2005		2016
Acton Central		1721		1736		1751			1806		1821		1835		1851			1906		1921		1938		1954			2008		2020
Clapham Junction			1715		1720	1730		1739	1745		1800		1815		1830		1839	1845		1900		1916		1931		1939	1946		2001
Imperial Wharf			1719		1724	1734		1744	1749		1804		1819		1834		1844	1849		1904		1920		1935		1944	1950		2005
West Brompton			1722		1727	1737		1747	1752		1807		1822		1837		1847	1852		1907		1923		1938		1947	1953		2008
Kensington (Olympia)			1725		1730	1740		1750	1755		1810		1825		1840		1850	1855		1910		1926		1941		1950	1956		2011
Shepherd's Bush			1727		1732	1742		1753	1757		1812		1827		1842		1853	1857		1912		1928		1943		1953	1958		2013
Willesden Junction		1727	1735	1742		1750	1757		1805	1812	1820	1827	1835	1841	1850	1857		1904	1912	1920	1927	1935	1944	1951	2000		2006	2016	2021
Kensal Rise		1729	1737	1744		1752	1759		1807	1814	1822	1829	1837	1843	1852	1859		1907	1914	1922	1929	1937	1946		2002		2007	2018	2028
Brondesbury Park		1731	1739	1746		1754	1801		1809	1816	1824	1831	1839	1845	1854	1901		1909	1916	1924	1931	1939	1948		2004		2009	2020	2030
Brondesbury		1733	1741	1748		1756	1803		1811	1818	1826	1833	1841	1847	1856	1903		1911	1918	1926	1933	1941	1950		2006		2011	2022	2032
West Hampstead		1735	1743	1750		1758	1805		1813	1820	1828	1835	1843	1849	1858	1905		1913	1920	1928	1935	1943	1952		2008		2013	2024	2034
Finchley Road & Frognal		1736	1744	1751		1759	1806		1814	1821	1829	1836	1844	1850	1859	1906		1914	1921	1929	1936	1944	1953		2009		2014	2025	2035
Hampstead Heath		1739	1747	1754		1802	1809		1817	1824	1832	1839	1847	1853	1902	1909		1917	1924	1932	1939	1947	1956		2012		2017	2028	2038
Gospel Oak		1741	1749	1756		1804	1811		1819	1826	1834	1841	1849	1856	1904	1911		1919	1926	1934	1941	1949	2000		2014		2019	2030	2042
Kentish Town West		1743	1751	1758		1806	1813		1821	1828	1836	1843	1851	1859	1906	1913		1921	1928	1936	1943	1951	2002		2016		2021	2032	2045
Camden Road		1747	1755	1802		1810	1817		1825	1832	1840	1847	1855	1903	1910	1917		1925	1932	1940	1947	1955	2006		2020		2025	2036	2050
Caledonian Road & Barnsbury		1750	1758	1805		1813	1820		1828	1835	1843	1850	1858	1906	1913	1920		1928	1935	1943	1950	1958	2009		2023		2028	2039	2053
Highbury & Islington		1753	1801	1808		1816	1823		1831	1838	1846	1853	1901	1909	1916	1923		1931	1938	1946	1953	2001	2012		2026		2031	2042	2056
Canonbury		1755	1803	1810		1818	1825		1833	1840	1848	1855	1903	1911	1918	1925		1933	1940	1948	1955	2003	2014		2028		2033	2044	2058
Dalston Kingsland		1757	1805	1812		1820	1827		1835	1842	1850	1857	1905	1913	1920	1927		1935	1942	1950	1957	2005	2016		2030		2035	2046	2100
Hackney Central		1759	1807	1814		1822	1829		1837	1844	1852	1859	1907	1915	1922	1929		1937	1944	1952	1959	2007	2018		2032		2037	2048	2102
Homerton		1801	1809	1816		1824	1831		1839	1846	1854	1901	1909	1917	1924	1931		1939	1946	1954	2001	2009	2020		2034		2039	2050	2104
Hackney Wick		1803	1811	1818		1826	1833		1841	1848	1856	1903	1911	1919	1926	1933		1941	1948	1956	2003	2011	2022		2036		2042	2052	2107
Stratford		1808	1820	1824		1835	1839		1850	1854	1905	1908	1918	1925	1933	1940		1947	1955	2003	2011	2019	2028		2042		2049	2058	2113

Eastbound towards Stratford

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Mondays to Fridays

SN M										SN K										SN K										
Richmond	⊖		2021		2036			2051		2108		2121		2138			2151		2208		2221		2238			2258		2308	2328	
Kew Gardens	⊖		2024		2039			2054		2111		2124		2141			2154		2211		2224		2241			2301		2311	2331	
Gunnersbury	⊖		2027		2042			2057		2114		2127		2144			2157		2214		2227		2244			2304		2314	2334	
South Acton			2030		2045			2100		2117		2130		2147			2200		2217		2230		2247			2307		2317	2337	
Acton Central			2033		2049			2103		2120		2133		2150			2203		2220		2233		2250			2310		2320	2340	
Clapham Junction		2016		2031		2039	2046		2101		2116		2131		2139	2146		2201		2216		2231		2239	2246		2301			2331
Imperial Wharf		2020		2035		2044	2050		2105		2120		2135		2144	2150		2205		2220		2235		2244	2250		2305			2335
West Brompton		2023		2038		2047	2053		2108		2123		2138		2147	2153		2208		2223		2238		2247	2253		2308			2338
Kensington (Olympia)		2026		2041		2050	2056		2111		2126		2141		2150	2156		2211		2226		2241		2250	2256		2311			2341
Shepherd's Bush		2028		2043		2053	2058		2113		2128		2143		2153	2158		2213		2228		2243		2253	2258		2313			2343
Willesden Junction		2036	2040	2051	2056		2106	2110	2121	2126	2136	2140	2151	2156		2206	2210	2221	2226	2236	2240	2251	2256		2306	2318	2322	2326	2345	2356
Kensal Rise			2043		2058			2113		2128		2143		2158			2213		2228		2243		2258			2320		2328		
Brondesbury Park			2045		2100			2115		2130		2145		2200			2215		2230		2245		2300			2322		2330		
Brondesbury			2046		2102			2116		2132		2146		2202			2216		2232		2246		2302			2324		2332		
West Hampstead			2048		2104			2118		2134		2148		2204			2218		2234		2248		2304			2326		2334		
Finchley Road & Frognal			2050		2105			2120		2135		2150		2205			2220		2235		2250		2305			2327		2335		
Hampstead Heath			2052		2108			2122		2138		2152		2208			2222		2238		2252		2308			2330		2338		
Gospel Oak			2055		2110			2125		2140		2155		2210			2225		2240		2255		2310			2332		2340		
Kentish Town West			2057		2112			2127		2142		2157		2212			2227		2242		2257		2312			2334		2342		
Camden Road			2100		2116			2130		2146		2200		2216			2230		2246		2300		2316			2338		2345		
Caledonian Road & Barnsbury			2103		2119			2133		2149		2203		2219			2233		2249		2303		2319			2342		2348		
Highbury & Islington			2106		2122			2136		2152		2206		2222			2236		2252		2306		2322			2345		2352		
Canonbury			2108		2124			2138		2154		2208		2224			2238		2254		2308		2324			2347		2354		
Dalston Kingsland			2110		2126			2140		2156		2210		2226			2240		2256		2310		2326			2349		2356		
Hackney Central			2112		2128			2142		2158		2212		2228			2242		2258		2312		2328			2351		2358		
Homerton			2114		2130			2144		2200		2214		2230			2244		2300		2314		2330			2353		2359		
Hackney Wick			2117		2132			2147		2202		2217		2232			2247		2302		2317		2332			2355		0002		
Stratford			2124		2139			2154		2209		2221		2238			2252		2308		2321		2338			2359		0008		

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Eastbound towards Stratford

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Saturdays

SN S										SN S										SN K										SN K									
Richmond	⊖	1838			1858		1908		1928		1938			1958		2008		2020			2038		2050		2108		2120		2138										
Kew Gardens	⊖	1841			1901		1911		1931		1941			2001		2011		2023			2041		2053		2111		2123		2141										
Gunnersbury	⊖	1844			1904		1914		1934		1944			2004		2014		2026			2044		2056		2114		2126		2144										
South Acton		1847			1907		1917		1937		1947			2007		2017		2029			2047		2059		2117		2129		2147										
Acton Central		1850			1910		1920		1940		1950			2010		2020		2033			2050		2103		2120		2133		2150										
Clapham Junction			1839	1846		1901		1916		1931		1938	1946		2001		2016		2025	2031		2046		2101		2116		2131		2139									
Imperial Wharf			1844	1850		1905		1920		1935		1942	1950		2005		2020		2029	2035		2050		2105		2120		2135		2144									
West Brompton			1847	1853		1908		1923		1938		1945	1953		2008		2023		2032	2038		2053		2108		2123		2138		2147									
Kensington (Olympia)			1850	1856		1911		1926		1941		1948	1956		2011		2026		2036	2041		2056		2111		2126		2141		2150									
Shepherd's Bush			1853	1858		1913		1928		1943		1950	1958		2013		2028		2039	2043		2058		2113		2128		2143		2153									
Willesden Junction		1856		1906	1916	1921	1926	1936	1946	1951	1956		2006	2016	2021	2026	2036	2041		2051	2056	2106	2111	2121	2126	2136	2141	2151	2156										
Kensal Rise		1858		1908	1918		1928	1938	1948		1958		2008	2018		2028		2043			2058		2113		2128		2143		2158										
Brondesbury Park		1900		1910	1920		1930	1940	1950		2000		2010	2020		2030		2045			2100		2115		2130		2145		2200										
Brondesbury		1902		1912	1922		1932	1942	1952		2002		2012	2022		2032		2047			2102		2117		2132		2147		2202										
West Hampstead		1904		1914	1924		1934	1944	1954		2004		2014	2024		2034		2049			2104		2119		2134		2149		2204										
Finchley Road & Frognal		1905		1915	1925		1935	1945	1955		2005		2015	2025		2035		2050			2105		2120		2135		2150		2205										
Hampstead Heath		1908		1918	1928		1938	1948	1958		2008		2018	2028		2038		2053			2108		2123		2138		2153		2208										
Gospel Oak		1910		1920	1930		1940	1950	2000		2010		2020	2030		2040		2055			2110		2125		2140		2155		2210										
Kentish Town West		1912		1922	1932		1942	1952	2002		2012		2022	2032		2042		2057			2112		2127		2142		2157		2212										
Camden Road		1916		1926	1936		1946	1956	2006		2016		2026	2036		2046		2101			2116		2131		2146		2201		2216										
Caledonian Road & Barnsbury		1919		1929	1939		1949	1959	2009		2019		2029	2039		2049		2104			2119		2134		2149		2204		2219										
Highbury & Islington		1922		1932	1942		1952	2002	2012		2022		2032	2042		2052		2107			2122		2137		2152		2207		2222										
Canonbury		1924		1934	1944		1954	2004	2014		2024		2034	2044		2054		2109			2124		2139		2154		2209		2224										
Dalston Kingsland		1926		1936	1946		1956	2006	2016		2026		2036	2046		2056		2111			2126		2141		2156		2211		2226										
Hackney Central		1928		1938	1948		1958	2008	2018		2028		2038	2048		2058		2113			2128		2143		2158		2213		2228										
Homerton		1930		1940	1950		2000	2010	2020		2030		2040	2050		2100		2115			2130		2145		2200		2215		2230										
Hackney Wick		1932		1942	1952		2002	2012	2022		2032		2042	2052		2102		2117			2132		2147		2202		2217		2232										
Stratford		1940		1951	2000		2010	2021	2030		2040		2048	2059		2108		2123			2138		2153		2208		2223		2238										

Eastbound towards Stratford

Saturdays

										SN K						
Richmond	⊖		2150		2208		2220		2238			2250	2302		2328	
Kew Gardens	⊖		2153		2211		2223		2241			2253	2305		2331	
Gunnersbury	⊖		2156		2214		2226		2244			2256	2308		2334	
South Acton			2159		2217		2229		2247			2259	2311		2337	
Acton Central			2203		2220		2233		2250			2303	2314		2340	
Clapham Junction		2146		2201		2216		2231		2239	2246			2301		2331
Imperial Wharf		2150		2205		2220		2235		2244	2250			2305		2335
West Brompton		2153		2208		2223		2238		2247	2253			2308		2338
Kensington (Olympia)		2156		2211		2226		2241		2250	2256			2311		2341
Shepherd's Bush		2158		2213		2228		2243		2253	2258			2313		2343
Willesden Junction		2206	2211	2221	2226	2236	2241	2251	2256		2306	2311	2320	2324	2346	2351
Kensal Rise			2213		2228		2243		2258			2313	2322			
Brondesbury Park			2215		2230		2245		2300			2315	2324			
Brondesbury			2217		2232		2247		2302			2317	2326			
West Hampstead			2219		2234		2249		2304			2319	2328			
Finchley Road & Frognal			2220		2235		2250		2305			2320	2329			
Hampstead Heath			2223		2238		2253		2308			2323	2332			
Gospel Oak			2225		2240		2255		2310			2325	2334			
Kentish Town West			2227		2242		2257		2312			2327	2336			
Camden Road			2231		2246		2301		2316			2331	2340			
Caledonian Road & Barnsbury			2234		2249		2304		2319			2334	2343			
Highbury & Islington			2237		2252		2307		2322			2337	2346			
Canonbury			2239		2254		2309		2324			2339	2348			
Dalston Kingsland			2241		2256		2311		2326			2341	2350			
Hackney Central			2243		2258		2313		2328			2343	2352			
Homerton			2245		2300		2315		2330			2345	2354			
Hackney Wick			2247		2302		2317		2332			2347	2356			
Stratford			2253		2308		2323		2338			2354	0003			

Eastbound towards Stratford

10

Sundays

	SN	SN K							SN K						SN K																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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Eastbound towards Stratford

11

Sundays

SN K													SN K													SN K												
Richmond	⊖	1159		1210			1229		1240		1259			2010			2029		2040		2059		2117			2129		2147		2159								
Kew Gardens	⊖	1202		1213			1232		1243		1302			2013			2032		2043		2102		2120			2132		2150		2202								
Gunnersbury	⊖	1205		1216			1235		1246		1305			2016			2035		2046		2105		2123			2135		2153		2205								
South Acton		1208		1219			1238		1249		1308			2019			2038		2049		2108		2126			2138		2156		2208								
Acton Central		1211		1222			1241		1252		1311			2022			2041		2052		2111		2129			2141		2159		2211								
Clapham Junction			1201		1205	1216		1231		1246			2001		2005	2016		2031		2046		2101			2115	2121		2131		2146								
Imperial Wharf			1205		1209	1220		1235		1250			2005		2009	2020		2035		2050		2105			2119	2125		2135		2150								
West Brompton			1208		1212	1223		1238		1253			2008		2012	2023		2038		2053		2108			2122	2128		2138		2153								
Kensington (Olympia)			1211		1216	1226		1241		1256			2011		2016	2026		2041		2056		2111			2126	2131		2141		2156								
Shepherd's Bush			1213		1219	1228		1243		1258			2013		2019	2028		2043		2058		2113			2129	2133		2143		2158								
Willesden Junction		1217	1221	1228		1236	1247	1251	1258	1306	1317	then at the same time past each hour until	2021	2028		2036	2047	2051	2058	2108	2117	2121	2135		2142	2147	2151	2205	2208	2217								
Kensal Rise		1219		1230		1238	1249		1300	1308	1319			2030			2049		2100		2119		2137			2149		2207		2219								
Brondesbury Park		1221		1232		1240	1251		1302	1310	1321			2032			2051		2102		2121		2139			2151		2209		2221								
Brondesbury		1223		1234		1242	1253		1304	1312	1323			2034			2053		2104		2123		2141			2153		2211		2223								
West Hampstead		1225		1236		1244	1255		1306	1314	1325			2036			2055		2106		2125		2143			2155		2213		2225								
Finchley Road & Frognal		1226		1237		1245	1256		1307	1315	1326			2037			2056		2107		2126		2144			2156		2214		2226								
Hampstead Heath		1229		1240		1248	1259		1310	1318	1329			2040			2059		2110		2129		2147			2159		2217		2229								
Gospel Oak		1231		1242		1250	1301		1312	1320	1331			2042			2101		2112		2131		2149			2201		2219		2231								
Kentish Town West		1233		1244		1252	1303		1314	1322	1333			2044			2103		2114		2133		2151			2203		2221		2233								
Camden Road		1237		1248		1256	1307		1318	1326	1337			2048			2107		2118		2137		2155			2207		2225		2237								
Caledonian Road & Barnsbury		1240		1251		1259	1310		1321	1329	1340			2051			2110		2121		2140		2158			2210		2228		2240								
Highbury & Islington		1243		1254		1302	1313		1324	1332	1343			2054			2113		2124		2143		2201			2213		2231		2243								
Canonbury		1245		1256		1304	1315		1326	1334	1345			2056			2115		2126		2145		2203			2215		2233		2245								
Dalston Kingsland		1247		1258		1306	1317		1328	1336	1347			2058			2117		2128		2147		2205			2217		2235		2247								
Hackney Central		1249		1300		1308	1319		1330	1338	1349			2100			2119		2130		2149		2207			2219		2237		2249								
Homerton		1251		1302		1310	1321		1332	1340	1351			2102			2121		2132		2151		2209			2221		2239		2251								
Hackney Wick		1253		1304		1312	1323		1334	1342	1353			2104			2123		2134		2153		2211			2223		2241		2253								
Stratford		1300		1311		1319	1330		1341	1349	1400			2111			2130		2141		2200		2218			2230		2248		2300								

Eastbound towards Stratford

12

Sundays

	SN K						
Richmond	⊖				2227		2259
Kew Gardens	⊖				2231		2303
Gunnersbury	⊖				2234		2306
South Acton					2237		2309
Acton Central					2240		2312
Clapham Junction	2201	2215	2221		2246		2316
Imperial Wharf	2205	2219	2225		2250		2320
West Brompton	2208	2222	2228		2253		2323
Kensington (Olympia)	2211	2226	2231		2256		2326
Shepherd's Bush	2213	2229	2233		2258		2328
Willesden Junction	2223		2241	2246	2308	2318	2336
Kensal Rise				2248		2320	
Brondesbury Park				2250		2322	
Brondesbury				2252		2324	
West Hampstead				2254		2326	
Finchley Road & Frognal				2255		2327	
Hampstead Heath				2258		2330	
Gospel Oak				2300		2332	
Kentish Town West				2302		2334	
Camden Road				2306		2338	
Caledonian Road & Barnsbury				2309		2341	
Highbury & Islington				2312		2344	
Canonbury				2314		2346	
Dalston Kingsland				2316		2348	
Hackney Central				2318		2350	
Homerton				2320		2352	
Hackney Wick				2322		2354	
Stratford				2327		2359	

Westbound towards Richmond/Clapham Junction

13

Mondays to Fridays

	SN A								SN A						SN A		SN B		SN						SN				T
Stratford				0547				0605	0612	0620		0627	0635	0642	0650	0657	0702		0710	0717	0727	0735		0742	0750	0757	0803		
Hackney Wick				0550				0608	0615	0623		0630	0638	0645	0653	0700	0705		0713	0720	0730	0738		0745	0753	0800	0806		
Homerton				0553				0611	0618	0626		0633	0641	0648	0656	0703	0708		0716	0723	0733	0741		0748	0756	0803	0809		
Hackney Central				0555				0613	0620	0628		0635	0643	0650	0658	0705	0710		0718	0725	0735	0743		0750	0758	0805	0811		
Dalston Kingsland				0557				0615	0622	0630		0637	0645	0652	0700	0707	0712		0720	0727	0737	0745		0752	0800	0807	0813		
Canonbury				0559				0617	0624	0632		0639	0647	0654	0702	0709	0714		0722	0729	0739	0747		0754	0802	0809	0815		
Highbury & Islington				0601				0619	0626	0634		0641	0649	0656	0704	0711	0716		0725	0732	0742	0749		0756	0804	0811	0817		
Caledonian Road & Barnsbury				0603				0621	0628	0636		0643	0651	0658	0706	0713	0718		0727	0734	0744	0751		0758	0806	0813	0819		
Camden Road				0607				0625	0632	0640		0647	0655	0702	0710	0717	0722		0730	0737	0747	0755		0802	0810	0817	0823		
Kentish Town West				0609				0627	0634	0642		0649	0657	0704	0712	0719	0724		0733	0740	0750	0757		0804	0812	0819	0825		
Gospel Oak				0612				0630	0637	0645		0652	0700	0707	0715	0722	0727		0736	0743	0753	0800		0807	0815	0822	0828		
Hampstead Heath				0614				0632	0639	0647		0654	0702	0709	0717	0724	0729		0738	0745	0755	0802		0809	0817	0824	0830	0834	
Finchley Road & Frognal				0616				0634	0641	0649		0656	0704	0711	0719	0726	0731		0740	0747	0757	0804		0811	0819	0826	0832	0836	
West Hampstead				0618				0636	0643	0651		0658	0706	0713	0721	0728	0733		0742	0749	0759	0806		0813	0821	0828	0834	0838	
Brondesbury				0620				0638	0645	0653		0700	0708	0715	0723	0730	0735		0744	0750	0801	0808		0815	0823	0830	0836	0840	
Brondesbury Park				0621				0639	0646	0654		0701	0709	0716	0724	0731	0736		0745	0752	0802	0809		0816	0824	0831	0837	0841	
Kensal Rise				0623				0641	0648	0656		0703	0711	0718	0726	0733	0738		0747	0754	0804	0811		0818	0826	0833	0839	0843	
Willesden Junction	0601		0609	0628	0633	0641	0646	0653	0701		0708	0716	0723	0731	0738	0743			0752	0801	0808	0816		0823	0831	0838	0846	0900	
Shepherd's Bush	0607	0619			0639		0653		0708	0719		0724		0739		0750	0753	0804		0808		0823	0834		0838		0853	0907	
Kensington (Olympia)	0609	0622			0641		0655		0710	0722		0726		0741		0752	0756	0807		0810		0825	0836		0840		0855	0909	
West Brompton	0612	0625			0644		0657		0712	0725		0728		0743		0754	0759	0810		0812		0827	0839		0842		0857	0912	
Imperial Wharf	0615	0627			0647		0700		0715	0727		0731		0746		0757	0802	0813		0815		0830	0842		0845		0900	0915	
Clapham Junction	0622	0632			0653		0708		0723	0732		0740		0754		0805	0806	0817		0823		0838	0846		0854		0908	0920	
Acton Central			0614	0633		0646		0658			0713		0728		0743				0757		0813			0828		0843			
South Acton			0616	0636		0649		0700			0716		0730		0746				0800		0816			0830		0846			
Gunnersbury	⊖		0620	0639		0653		0703			0720		0733		0749				0804		0819			0833		0851			
Kew Gardens	⊖		0623	0642		0656		0707			0723		0736		0752				0807		0822			0836		0854			
Richmond	⊖		0631	0649		0704		0714			0729		0744		0759				0813		0830			0843		0858			

Westbound towards Richmond/Clapham Junction

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Mondays to Fridays

	SN C			SN			SN A			SN C			SN C			SN C			SN C			SN C			SN C			SN C		
Stratford	0812	0820		0827	0835		0842	0850		0857	0905	0912	0920		0927	0935	0942	0950	0957	1005	1015			1025	1035	1045		1055	1105	
Hackney Wick	0815	0823		0830	0838		0845	0853		0900	0908	0915	0923		0930	0938	0945	0953	1000	1008	1018			1028	1038	1048		1058	1108	
Homerton	0818	0826		0833	0841		0848	0856		0903	0911	0918	0926		0933	0941	0948	0956	1003	1011	1021			1031	1041	1051		1101	1111	
Hackney Central	0820	0828		0835	0843		0850	0858		0905	0913	0920	0928		0935	0943	0950	0958	1005	1013	1023			1033	1043	1053		1103	1113	
Dalston Kingsland	0822	0830		0837	0845		0852	0900		0907	0915	0922	0930		0937	0945	0952	1000	1007	1015	1025			1035	1045	1055		1105	1115	
Canonbury	0824	0832		0839	0847		0854	0902		0909	0917	0924	0932		0939	0947	0954	1002	1009	1017	1027			1037	1047	1057		1107	1117	
Highbury & Islington	0826	0834		0841	0849		0856	0904		0911	0919	0926	0934		0941	0949	0956	1004	1011	1019	1029			1039	1049	1059		1109	1119	
Caledonian Road & Barnsbury	0828	0836		0843	0851		0858	0906		0913	0921	0928	0936		0943	0951	0958	1006	1013	1021	1031			1041	1051	1101		1111	1121	
Camden Road	0832	0840		0847	0855		0902	0910		0917	0925	0932	0940		0947	0955	1002	1010	1017	1025	1035			1045	1055	1105		1115	1125	
Kentish Town West	0834	0842		0849	0857		0904	0912		0919	0927	0934	0942		0949	0957	1004	1012	1019	1027	1037			1047	1057	1107		1117	1127	
Gospel Oak	0837	0845		0852	0900		0907	0915		0922	0930	0937	0945		0952	1000	1007	1015	1022	1030	1040			1050	1100	1110		1120	1130	
Hampstead Heath	0839	0847		0854	0902		0909	0917		0924	0932	0939	0947		0954	1002	1009	1017	1024	1032	1042			1052	1102	1112		1122	1132	
Finchley Road & Frognal	0841	0849		0856	0904		0911	0919		0926	0934	0941	0949		0956	1004	1011	1019	1026	1034	1044			1054	1104	1114		1124	1134	
West Hampstead	0843	0851		0858	0907		0913	0921		0928	0936	0943	0951		0958	1006	1013	1021	1028	1036	1046			1056	1106	1116		1126	1136	
Brondesbury	0845	0853		0900	0908		0915	0923		0930	0938	0945	0953		1000	1008	1015	1023	1030	1038	1048			1058	1108	1118		1128	1138	
Brondesbury Park	0846	0854		0901	0909		0916	0924		0931	0939	0946	0954		1001	1009	1016	1024	1031	1039	1049			1059	1109	1119		1129	1139	
Kensal Rise	0848	0856		0903	0911		0918	0926		0933	0941	0948	0956		1003	1011	1018	1026	1033	1041	1051			1101	1111	1121		1131	1141	
Willesden Junction	0853	0901		0908	0916		0923	0931		0938	0946	0953	1001		1008	1017	1022	1032	1038	1046	1056	1101		1106	1116	1126	1131	1136	1146	
Shepherd's Bush		0909	0918		0923	0933		0938	0944		0954		1009	1021		1026		1039		1053		1108	1119		1123		1137		1153	
Kensington (Olympia)		0911	0921		0925	0935		0940	0947		0956		1011	1024		1028		1041		1055		1110	1121		1125		1139		1155	
West Brompton		0913	0923		0928	0937		0942	0950		0958		1013	1027		1030		1043		1057		1113	1123		1127		1142		1157	
Imperial Wharf		0916	0926		0931	0940		0945	0952		1001		1016	1029		1033		1046		1100		1116	1126		1130		1145		1200	
Clapham Junction		0924	0931		0938	0945		0953	0957		1008		1024	1034		1040		1054		1108		1123	1130		1138		1152		1208	
Acton Central	0858			0913			0929			0943		0958			1013		1027		1043		1101			1111		1131		1141		
South Acton	0900			0916			0932			0946		1001			1016		1030		1045		1104			1114		1134		1144		
Gunnersbury	⊖ 0903			0919			0935			0949		1006			1019		1033		1048		1108			1119		1138		1148		
Kew Gardens	⊖ 0906			0922			0938			0952		1009			1022		1036		1051		1111			1122		1141		1151		
Richmond	⊖ 0912			0928			0944			0957		1015			1028		1041		1058		1116			1127		1146		1156		

Westbound towards Richmond/Clapham Junction

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Mondays to Fridays

	SN C										SN C										SN C									
Stratford	1115			1125	1135	1145		1155	1205	1215			1225	1235	1245		1255	1305	1315			1325	1335	1345		1355	1405	1415		
Hackney Wick	1118			1128	1138	1148		1158	1208	1218			1228	1238	1248		1258	1308	1318			1328	1338	1348		1358	1408	1418		
Homerton	1121			1131	1141	1151		1201	1211	1221			1231	1241	1251		1301	1311	1321			1331	1341	1351		1401	1411	1421		
Hackney Central	1123			1133	1143	1153		1203	1213	1223			1233	1243	1253		1303	1313	1323			1333	1343	1353		1403	1413	1423		
Dalston Kingsland	1125			1135	1145	1155		1205	1215	1225			1235	1245	1255		1305	1315	1325			1335	1345	1355		1405	1415	1425		
Canonbury	1127			1137	1147	1157		1207	1217	1227			1237	1247	1257		1307	1317	1327			1337	1347	1357		1407	1417	1427		
Highbury & Islington	1129			1139	1149	1159		1209	1219	1229			1239	1249	1259		1309	1319	1329			1339	1349	1359		1409	1419	1429		
Caledonian Road & Barnsbury	1131			1141	1151	1201		1211	1221	1231			1241	1251	1301		1311	1321	1331			1341	1351	1401		1411	1421	1431		
Camden Road	1135			1145	1155	1205		1215	1225	1235			1245	1255	1305		1315	1325	1335			1345	1355	1405		1415	1425	1435		
Kentish Town West	1137			1147	1157	1207		1217	1227	1237			1247	1257	1307		1317	1327	1337			1347	1357	1407		1417	1427	1437		
Gospel Oak	1140			1150	1200	1210		1220	1230	1240			1250	1300	1310		1320	1330	1340			1350	1400	1410		1420	1430	1440		
Hampstead Heath	1142			1152	1202	1212		1222	1232	1242			1252	1302	1312		1322	1332	1342			1352	1402	1412		1422	1432	1442		
Finchley Road & Frognal	1144			1154	1204	1214		1224	1234	1244			1254	1304	1314		1324	1334	1344			1354	1404	1414		1424	1434	1444		
West Hampstead	1146			1156	1206	1216		1226	1236	1246			1256	1306	1316		1326	1336	1346			1356	1406	1416		1426	1436	1446		
Brondesbury	1148			1158	1208	1218		1228	1238	1248			1258	1308	1318		1328	1338	1348			1358	1408	1418		1428	1438	1448		
Brondesbury Park	1149			1159	1209	1219		1229	1239	1249			1259	1309	1319		1329	1339	1349			1359	1409	1419		1429	1439	1449		
Kensal Rise	1151			1201	1211	1221		1231	1241	1251			1301	1311	1321		1331	1341	1351			1401	1411	1421		1431	1441	1451		
Willesden Junction	1156	1201		1206	1216	1226	1231	1236	1246	1256	1301		1306	1316	1326	1331	1336	1346	1356	1401		1406	1416	1426	1431	1436	1446	1456	1500	
Shepherd's Bush		1207	1219		1224		1237		1253		1307	1319		1324		1337		1353		1407	1419		1424		1437		1453		1507	
Kensington (Olympia)		1209	1222		1226		1239		1255		1309	1322		1326		1339		1355		1409	1422		1426		1439		1455		1509	
West Brompton		1212	1225		1228		1242		1257		1312	1325		1328		1342		1357		1412	1425		1428		1442		1457		1512	
Imperial Wharf		1215	1227		1231		1245		1300		1315	1328		1331		1345		1400		1415	1428		1431		1445		1500		1515	
Clapham Junction		1222	1232		1238		1252		1308		1322	1332		1338		1352		1408		1422	1432		1438		1452		1508		1522	
Acton Central	1201			1211		1231		1241		1301			1311		1331		1341		1401			1411		1431		1441		1501		
South Acton	1204			1214		1234		1244		1304			1314		1334		1344		1404			1414		1434		1444		1504		
Gunnersbury	⊖ 1208			1218		1238		1248		1308			1318		1338		1348		1408			1418		1438		1448		1508		
Kew Gardens	⊖ 1211			1221		1241		1251		1311			1321		1341		1351		1411			1421		1441		1451		1511		
Richmond	⊖ 1216			1226		1246		1256		1316			1326		1346		1356		1416			1426		1446		1456		1516		

Westbound towards Richmond/Clapham Junction

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Mondays to Fridays

	SN C								SN C				SN				SN				SN B				SN D				
Stratford		1425	1435	1445		1455	1505	1515			1525	1535		1542	1550	1559			1612	1620		1627	1635	1642	1650		1657	1705	1712
Hackney Wick		1428	1438	1448		1458	1508	1518			1528	1538		1545	1553	1602			1615	1623		1630	1638	1645	1653		1700	1708	1715
Homerton		1431	1441	1451		1501	1511	1521			1531	1541		1548	1556	1605			1618	1626		1633	1641	1648	1656		1703	1711	1718
Hackney Central		1433	1443	1453		1503	1513	1523			1533	1543		1550	1558	1607			1620	1628		1635	1643	1650	1658		1705	1713	1720
Dalston Kingsland		1435	1445	1455		1505	1515	1525			1535	1545		1552	1600	1609			1622	1630		1637	1645	1652	1700		1707	1715	1722
Canonbury		1437	1447	1457		1507	1517	1527			1537	1547		1554	1602	1611			1624	1632		1639	1647	1654	1702		1709	1717	1724
Highbury & Islington		1439	1449	1459		1509	1519	1529			1539	1549		1556	1604	1613			1626	1634		1641	1649	1656	1704		1711	1719	1726
Caledonian Road & Barnsbury		1441	1451	1501		1511	1521	1531			1541	1551		1558	1606	1615			1628	1636		1643	1651	1658	1706		1713	1721	1728
Camden Road		1445	1455	1505		1515	1525	1535			1545	1555		1603	1610	1619			1632	1640		1647	1655	1702	1710		1717	1725	1732
Kentish Town West		1447	1457	1507		1517	1527	1537			1547	1557		1606	1612	1621			1634	1642		1649	1658	1704	1713		1719	1727	1734
Gospel Oak		1450	1500	1510		1520	1530	1540			1550	1600		1608	1615	1624			1637	1645		1652	1703	1708	1717		1723	1730	1737
Hampstead Heath		1452	1502	1512		1522	1532	1542			1552	1602		1610	1617	1626			1639	1647		1654	1705	1710	1719		1725	1732	1739
Finchley Road & Frognal		1454	1504	1514		1524	1534	1544			1554	1604		1612	1619	1628			1641	1649		1656	1707	1712	1721		1727	1734	1741
West Hampstead		1456	1506	1516		1526	1536	1546			1556	1606		1614	1621	1630			1643	1651		1658	1709	1714	1723		1729	1736	1743
Brondesbury		1458	1508	1518		1528	1538	1548			1558	1608		1615	1623	1632			1645	1652		1700	1710	1716	1725		1730	1738	1745
Brondesbury Park		1459	1509	1519		1529	1539	1549			1559	1609		1617	1624	1633			1646	1654		1701	1712	1717	1726		1732	1739	1746
Kensal Rise		1501	1511	1521		1531	1541	1551			1601	1611		1619	1626	1635			1648	1656		1703	1714	1719	1728		1734	1741	1748
Willesden Junction		1506	1516	1526	1531	1536	1546	1556	1602		1606	1616		1623	1631	1640	1646		1653	1701		1708	1719	1724	1732		1739	1746	1753
Shepherd's Bush	1522		1526		1537		1553		1608	1619		1624		1638		1652			1708	1719		1725		1739	1747		1753		
Kensington (Olympia)	1524		1528		1539		1555		1610	1622		1626	1634		1640		1654	1704		1710	1722		1727		1741	1749		1755	
West Brompton	1526		1530		1542		1557		1613	1625		1628	1636		1642		1657	1706		1712	1725		1730		1743	1752		1757	
Imperial Wharf	1529		1533		1545		1600		1616	1627		1631	1639		1645		1700	1709		1715	1728		1733		1746	1755		1800	
Clapham Junction	1533		1540		1552		1608		1622	1632		1638	1643		1653		1707	1713		1723	1732		1739		1753	1759		1808	
Acton Central		1511		1531		1541		1601			1611		1628		1645			1658			1713		1729			1744		1758	
South Acton		1514		1534		1544		1604			1614		1630		1648			1700			1716		1734			1746		1800	
Gunnersbury	⊖	1518		1538		1548		1608			1618		1633		1651			1703			1719		1739			1749		1803	
Kew Gardens	⊖	1521		1541		1551		1611			1621		1636		1654			1706			1722		1742			1752		1806	
Richmond	⊖	1526		1546		1556		1616			1627		1642		1700			1713			1728		1746			1758		1813	

Westbound towards Richmond/Clapham Junction

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Mondays to Fridays

	SN B										SN E										SN F										SN F					
Stratford	1720		1727	1735	1742	1750	1757	1805	1812	1820		1827	1835	1842	1848	1857	1905	1915			1925	1935	1945		1955	2005	2015			SN F						
Hackney Wick	1723		1730	1738	1745	1753	1800	1808	1815	1823		1830	1838	1845	1851	1900	1908	1918			1928	1938	1948		1958	2008	2018									
Homerton	1726		1733	1741	1748	1756	1803	1811	1818	1826		1833	1841	1848	1854	1903	1911	1921			1931	1941	1951		2001	2011	2021									
Hackney Central	1728		1735	1743	1750	1758	1805	1813	1820	1828		1835	1843	1850	1856	1905	1913	1923			1933	1943	1953		2003	2013	2023									
Dalston Kingsland	1730		1737	1745	1752	1800	1807	1815	1822	1831		1837	1845	1852	1858	1907	1915	1925			1935	1945	1955		2005	2015	2025									
Canonbury	1732		1739	1747	1754	1802	1809	1817	1824	1832		1839	1847	1854	1900	1909	1917	1927			1937	1947	1957		2007	2017	2027									
Highbury & Islington	1734		1741	1749	1756	1804	1811	1819	1826	1834		1841	1849	1856	1902	1911	1919	1929			1939	1949	1959		2009	2019	2029									
Caledonian Road & Barnsbury	1736		1743	1751	1758	1806	1813	1821	1828	1836		1843	1851	1858	1904	1913	1921	1931			1941	1951	2001		2011	2021	2031									
Camden Road	1740		1747	1755	1802	1810	1817	1825	1832	1840		1847	1855	1902	1908	1917	1925	1934			1945	1955	2005		2015	2025	2035									
Kentish Town West	1742		1749	1758	1805	1813	1819	1827	1834	1842		1849	1857	1905	1910	1919	1927	1937			1947	1957	2007		2017	2027	2037									
Gospel Oak	1745		1752	1802	1808	1816	1822	1830	1837	1845		1852	1900	1909	1913	1924	1930	1940			1950	2000	2010		2020	2030	2040									
Hampstead Heath	1747		1754	1804	1810	1818	1824	1832	1839	1847		1854	1901	1911	1915	1926	1932	1942			1952	2002	2012		2022	2032	2042									
Finchley Road & Frognal	1749		1756	1806	1812	1820	1826	1834	1841	1849		1856	1903	1913	1917	1928	1934	1944			1954	2004	2014		2024	2034	2044									
West Hampstead	1751		1758	1808	1814	1822	1828	1836	1843	1851		1858	1905	1915	1919	1930	1936	1946			1956	2006	2016		2026	2036	2046									
Brondesbury	1753		1800	1809	1816	1823	1830	1838	1845	1853		1900	1907	1916	1921	1932	1938	1947			1958	2008	2018		2028	2038	2048									
Brondesbury Park	1754		1801	1811	1817	1825	1831	1839	1846	1854		1901	1908	1918	1922	1933	1939	1949			1959	2009	2019		2029	2039	2049									
Kensal Rise	1756		1803	1813	1819	1827	1833	1841	1848	1856		1903	1910	1920	1924	1935	1941	1951			2001	2011	2021		2031	2041	2051									
Willesden Junction	1801		1808	1818	1824	1831	1838	1846	1853	1901		1908	1915	1925	1931	1940	1946	1956	2000		2007	2016	2026	2031	2037	2046	2057	2101								
Shepherd's Bush	1808	1819		1824		1839		1853		1908	1918		1922		1938		1953		2006	2021		2025		2037		2053		2107	2122							
Kensington (Olympia)	1810	1822		1826		1841		1855		1910	1920		1924		1940		1955		2008	2023		2027		2039		2055		2109	2124							
West Brompton	1813	1825		1829		1844		1857		1912	1923		1927		1942		1957		2011	2025		2029		2042		2057		2112	2127							
Imperial Wharf	1816	1827		1832		1847		1900		1915	1925		1930		1945		2000		2014	2028		2032		2045		2100		2115	2129							
Clapham Junction	1824	1832		1839		1853		1908		1923	1930		1935		1953		2008		2021	2033		2039		2052		2108		2122	2134							
Acton Central			1813		1829		1843		1858			1913		1930		1945		2001			2012		2031		2042		2102									
South Acton			1816		1832		1846		1901			1916		1932		1948		2003			2015		2034		2044		2105									
Gunnersbury	⊖		1819		1838		1849		1906			1919		1938		1951		2009			2018		2038		2049		2108									
Kew Gardens	⊖		1822		1841		1852		1909			1922		1941		1954		2012			2021		2041		2052		2111									
Richmond	⊖		1828		1845		1858		1914			1929		1946		1959		2016			2026		2046		2056		2116									

Westbound towards Richmond/Clapham Junction

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Mondays to Fridays

	SN F								SN A				SN B				SN A					
Stratford	2023	2035	2045		2100		2115		2130		2145		2200	2215		2230	2245		2300	2315	2330	2345
Hackney Wick	2026	2038	2048		2103		2118		2133		2148		2203	2218		2233	2248		2303	2318	2333	2348
Homerton	2029	2041	2051		2106		2121		2136		2151		2206	2221		2236	2251		2306	2321	2336	2351
Hackney Central	2031	2043	2053		2108		2123		2138		2153		2208	2223		2238	2253		2308	2323	2338	2353
Dalston Kingsland	2033	2045	2055		2110		2125		2140		2155		2210	2225		2240	2255		2310	2325	2340	2355
Canonbury	2035	2047	2057		2112		2127		2142		2157		2212	2227		2242	2257		2312	2327	2342	2357
Highbury & Islington	2037	2049	2059		2115		2129		2144		2159		2214	2229		2244	2259		2314	2329	2344	2359
Caledonian Road & Barnsbury	2039	2051	2101		2117		2131		2146		2201		2216	2231		2246	2301		2316	2331	2346	0002
Camden Road	2042	2055	2105		2120		2135		2150		2205		2220	2235		2250	2305		2320	2335	2350	0005
Kentish Town West	2045	2057	2107		2122		2137		2152		2207		2222	2237		2252	2307		2322	2337		0007
Gospel Oak	2050	2100	2110		2125		2140		2155		2210		2225	2240		2255	2310		2325	2340		0010
Hampstead Heath	2052	2102	2112		2127		2142		2157		2212		2227	2242		2257	2312		2327	2342		0012
Finchley Road & Frognal	2054	2104	2114		2129		2144		2159		2214		2229	2244		2259	2314		2329	2344		0014
West Hampstead	2056	2106	2116		2131		2146		2201		2216		2231	2246		2302	2316		2331	2346		0016
Brondesbury	2057	2108	2118		2133		2148		2203		2218		2233	2248		2304	2318		2333	2348		0018
Brondesbury Park	2059	2109	2119		2134		2149		2204		2219		2234	2249		2305	2319		2334	2349		0019
Kensal Rise	2101	2111	2121		2136		2151		2206		2221		2236	2251		2307	2321		2336	2351		0021
Willesden Junction	2106	2116	2126	2131	2141	2146	2156	2201	2211	2216	2226	2231	2241	2256	2301	2312	2326	2331	2341	2357		0030
Shepherd's Bush		2126		2137		2154		2207	2222		2225		2237	2249		2307	2321		2337	2354		
Kensington (Olympia)		2128		2139		2156		2209	2224		2227		2239	2251		2309	2323		2339	2356		
West Brompton		2131		2142		2158		2212	2226		2230		2242	2254		2312	2326		2342	2359		
Imperial Wharf		2134		2145		2201		2215	2229		2233		2245	2256		2315	2328		2345	0002		
Clapham Junction		2139		2152		2210		2222	2234		2239		2252	2305		2322	2333		2352	0007		
Acton Central	2111		2131		2146		2201			2216		2231		2246	2301			2317	2331		2346	0003
South Acton	2113		2134		2149		2204			2219		2234		2249	2304			2320	2334		2349	0006
Gunnersbury	⊖ 2118		2138		2153		2208			2223		2238		2253	2308			2323	2338		2352	0010
Kew Gardens	⊖ 2121		2141		2156		2211			2226		2241		2256	2311			2326	2341		2355	0013
Richmond	⊖ 2126		2146		2200		2216			2231		2246		2301	2316			2331	2346		2359	0018

Westbound towards Richmond/Clapham Junction

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Saturdays

SN G				SN G				SN C												SN B									
Stratford				0542		0555	0605	0615			0625	0635	0645		0655	0705	0715			0725	0735	0745			1755	1805	1815		
Hackney Wick				0545		0558	0608	0618			0628	0638	0648		0658	0708	0718			0728	0738	0748			1758	1808	1818		
Homerton				0548		0601	0611	0621			0631	0641	0651		0701	0711	0721			0731	0741	0751			1801	1811	1821		
Hackney Central				0550		0603	0613	0623			0633	0643	0653		0703	0713	0723			0733	0743	0753			1803	1813	1823		
Dalston Kingsland				0552		0605	0615	0625			0635	0645	0655		0705	0715	0725			0735	0745	0755			1805	1815	1825		
Canonbury				0554		0607	0617	0627			0637	0647	0657		0707	0717	0727			0737	0747	0757			1807	1817	1827		
Highbury & Islington				0556		0609	0619	0629			0639	0649	0659		0709	0719	0729			0739	0749	0759			1809	1819	1829		
Caledonian Road & Barnsbury				0558		0611	0621	0631			0641	0651	0701		0711	0721	0731			0741	0751	0801			1811	1821	1831		
Camden Road				0602		0615	0625	0635			0645	0655	0705		0715	0725	0735			0745	0755	0805			1815	1825	1835		
Kentish Town West				0607		0617	0627	0637			0647	0657	0707		0717	0727	0737			0747	0757	0807		then at the same time past each hour until	1817	1827	1837		
Gospel Oak				0611		0620	0630	0640			0650	0700	0710		0720	0730	0740			0750	0800	0810			1820	1830	1840		
Hampstead Heath				0613		0622	0632	0642			0652	0702	0712		0722	0732	0742			0752	0802	0812			1822	1832	1842		
Finchley Road & Frognal				0615		0624	0634	0644			0654	0704	0714		0724	0734	0744			0754	0804	0814			1824	1834	1844		
West Hampstead				0617		0626	0636	0646			0656	0706	0716		0726	0736	0746			0756	0806	0816			1826	1836	1846		
Brondesbury				0619		0628	0638	0648			0658	0708	0718		0728	0738	0748			0758	0808	0818		1828	1838	1848			
Brondesbury Park				0620		0629	0639	0649			0659	0709	0719		0729	0739	0749			0759	0809	0819		1829	1839	1849			
Kensal Rise				0622		0631	0641	0651			0701	0711	0721		0731	0741	0751			0801	0811	0821		1831	1841	1851			
Willesden Junction	0602		0606	0626	0631	0636	0646	0656	0701		0706	0716	0726	0731	0736	0746	0756	0801		0806	0816	0826	0831		1836	1846	1856	1901	
Shepherd's Bush	0608	0620			0637		0653		0707	0719		0723		0737		0753		0807	0819		0823		0837			1853		1907	1919
Kensington (Olympia)	0610	0623			0639		0655		0709	0722		0726		0739		0755		0809	0822		0826		0839			1855		1909	1922
West Brompton	0613	0626			0642		0657		0712	0725		0728		0742		0757		0812	0825		0828		0842			1857		1912	1925
Imperial Wharf	0616	0628			0645		0700		0715	0727		0731		0745		0800		0815	0827		0831		0845			1900		1915	1927
Clapham Junction	0622	0633			0652		0708		0722	0733		0738		0752		0808		0822	0833		0838		0852			1908		1922	1932
Acton Central			0611	0631		0641		0701			0711		0731		0741		0801			0811		0831			1841		1901		
South Acton			0614	0634		0644		0704			0714		0734		0744		0804			0814		0834			1844		1904		
Gunnersbury	⊖		0618	0637		0647		0707			0717		0737		0748		0808			0818		0838			1848		1908		
Kew Gardens	⊖		0621	0640		0650		0710			0720		0740		0751		0811			0821		0841			1851		1911		
Richmond	⊖		0629	0644		0656		0716			0726		0746		0756		0816			0826		0846			1856		1917		

then
at
the
same
time
past
each
hour
until

Westbound towards Richmond/Clapham Junction

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Saturdays

	SN A							SN B							SN A							SN A								
Stratford	1825	1835	1845		1855	1905		1915			1925	1935	1945		1955	2005		2015		2025	2035	2045		2100			SN A	2115		2130
Hackney Wick	1828	1838	1848		1858	1908		1918			1928	1938	1948		1958	2008		2018		2028	2038	2048		2103				2118		2133
Homerton	1831	1841	1851		1901	1911		1921			1931	1941	1951		2001	2011		2021		2031	2041	2051		2106				2121		2136
Hackney Central	1833	1843	1853		1903	1913		1923			1933	1943	1953		2003	2013		2023		2033	2043	2053		2108				2123		2138
Dalston Kingsland	1835	1845	1855		1905	1915		1925			1935	1945	1955		2005	2015		2025		2035	2045	2055		2110				2125		2140
Canonbury	1837	1847	1857		1907	1917		1927			1937	1947	1957		2007	2017		2027		2037	2047	2057		2112				2127		2142
Highbury & Islington	1839	1849	1859		1909	1919		1929			1939	1949	1959		2009	2019		2029		2039	2049	2059		2114				2129		2144
Caledonian Road & Barnsbury	1841	1851	1901		1911	1921		1931			1941	1951	2001		2011	2021		2031		2041	2051	2101		2116				2131		2146
Camden Road	1845	1855	1905		1915	1925		1935			1945	1955	2005		2015	2025		2035		2045	2055	2105		2120				2135		2150
Kentish Town West	1847	1857	1907		1917	1927		1937			1947	1957	2007		2017	2027		2037		2047	2057	2107		2122				2137		2152
Gospel Oak	1850	1900	1910		1920	1930		1940			1950	2000	2010		2020	2030		2040		2050	2100	2110		2125				2140		2155
Hampstead Heath	1852	1902	1912		1922	1932		1942			1952	2002	2012		2022	2032		2042		2052	2102	2112		2127				2142		2157
Finchley Road & Frognal	1854	1904	1914		1924	1934		1944			1954	2004	2014		2024	2034		2044		2054	2104	2114		2129				2144		2159
West Hampstead	1856	1906	1916		1926	1936		1946			1956	2006	2016		2026	2036		2046		2056	2106	2116		2131				2146		2201
Brondesbury	1858	1908	1918		1928	1938		1948			1958	2008	2018		2028	2038		2048		2058	2108	2118		2133				2148		2203
Brondesbury Park	1859	1909	1919		1929	1939		1949			1959	2009	2019		2029	2039		2049		2059	2109	2119		2134				2149		2204
Kensal Rise	1901	1911	1921		1931	1941		1951			2001	2011	2021		2031	2041		2051		2101	2111	2121		2136				2151		2206
Willesden Junction	1906	1916	1926	1931	1936	1946		1956	2001		2006	2016	2026	2031	2036	2046		2056	2101	2106	2116	2126	2131	2141	2146			2156	2201	2211
Shepherd's Bush		1923		1937		1953	1957		2007	2019		2023		2037		2053	2107		2110		2123		2137		2152	2207			2210	
Kensington (Olympia)		1926		1939		1955	2000		2009	2022		2026		2039		2055	2110		2112		2125		2139		2154	2210			2212	
West Brompton		1928		1942		1957	2003		2012	2025		2028		2042		2057	2113		2115		2127		2142		2157	2213			2215	
Imperial Wharf		1931		1945		2000	2005		2015	2027		2031		2045		2100	2115		2118		2130		2145		2200	2215			2218	
Clapham Junction		1938		1952		2008	2010		2022	2032		2038		2052		2108	2120		2124		2138		2152		2207	2220			2224	
Acton Central	1911		1931		1941			2001			2011		2031		2041			2101		2111		2131		2146				2201		2216
South Acton	1914		1934		1944			2004			2014		2034		2044			2104		2114		2134		2149				2204		2219
Gunnersbury	⊖ 1918		1938		1948			2008			2018		2038		2048			2108		2118		2138		2152				2208		2222
Kew Gardens	⊖ 1921		1941		1951			2011			2021		2041		2051			2111		2121		2141		2155				2211		2225
Richmond	⊖ 1926		1946		1956			2016			2026		2046		2056			2116		2126		2146		2201				2215		2231

Westbound towards Richmond/Clapham Junction

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Saturdays

						SN H				SN A					
Stratford		2145		2155	2215			2230	2245			2300	2315	2330	2345
Hackney Wick		2148		2158	2218			2233	2248			2303	2318	2333	2348
Homerton		2151		2201	2221			2236	2251			2306	2321	2336	2351
Hackney Central		2153		2203	2223			2238	2253			2308	2323	2338	2353
Dalston Kingsland		2155		2205	2225			2240	2255			2310	2325	2340	2355
Canonbury		2157		2207	2227			2242	2257			2312	2327	2342	2357
Highbury & Islington		2159		2209	2229			2244	2259			2314	2329	2344	2359
Caledonian Road & Barnsbury		2201		2211	2231			2246	2301			2316	2331	2346	0002
Camden Road		2205		2215	2235			2249	2305			2320	2335	2350	0005
Kentish Town West		2207		2217	2237				2307			2322	2337		0007
Gospel Oak		2210		2221	2240				2310			2325	2340		0010
Hampstead Heath		2212		2223	2242				2312			2327	2342		0012
Finchley Road & Frognal		2214		2225	2244				2314			2329	2344		0014
West Hampstead		2216		2227	2246				2316			2331	2346		0016
Brondesbury		2218		2229	2248				2318			2333	2348		0018
Brondesbury Park		2219		2230	2249				2319			2334	2349		0019
Kensal Rise		2221		2232	2251				2321			2336	2351		0021
Willesden Junction	2216	2226	2231	2239	2256	2301			2326	2331		2341	2356		0030
Shepherd's Bush	2222		2237			2307	2314			2337	2349				
Kensington (Olympia)	2224		2239			2309	2316			2339	2351				
West Brompton	2227		2242			2312	2319			2342	2354				
Imperial Wharf	2230		2245			2315	2321			2345	2357				
Clapham Junction	2237		2252			2322	2326			2351	0002				
Acton Central		2231		2244	2301				2331			2346	0002		
South Acton		2234		2247	2304				2334			2349	0004		
Gunnersbury	⊖	2238		2250	2308				2338			2352	0008		
Kew Gardens	⊖	2241		2253	2311				2341			2355	0011		
Richmond	⊖	2245		2258	2316				2346			0003	0016		

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	SN		SN		SN A				SN A				SN A				SN A											
Stratford										0915		0927		0945		0957		1020			1035	1045			1055	1105	1115	
Hackney Wick										0918		0930		0948		1000		1023			1038	1048			1058	1108	1118	
Homerton										0921		0933		0951		1003		1026			1041	1051			1101	1111	1121	
Hackney Central										0923		0935		0953		1005		1028			1043	1053			1103	1113	1123	
Dalston Kingsland										0925		0937		0955		1007		1030			1045	1055			1105	1115	1125	
Canonbury										0927		0939		0957		1009		1032			1047	1057			1107	1117	1127	
Highbury & Islington										0929		0941		0959		1011		1034			1049	1059			1109	1119	1129	
Caledonian Road & Barnsbury										0931		0943		1001		1013		1036			1051	1101			1111	1121	1131	
Camden Road										0935		0947		1005		1017		1040			1055	1105			1115	1125	1135	
Kentish Town West										0937		0949		1007		1019		1042			1057	1107			1117	1127	1137	
Gospel Oak									0925		0940		0952		1010		1022		1045		1100	1110			1120	1130	1140	
Hampstead Heath									0927		0942		0954		1012		1024		1047		1102	1112			1122	1132	1142	
Finchley Road & Frognal									0929		0944		0956		1014		1026		1049		1104	1114			1124	1134	1144	
West Hampstead									0931		0946		0958		1016		1028		1051		1106	1116			1126	1136	1146	
Brondesbury									0933		0948		1000		1018		1030		1053		1108	1118			1128	1138	1148	
Brondesbury Park									0934		0949		1001		1019		1031		1054		1109	1119			1129	1139	1149	
Kensal Rise									0936		0951		1003		1021		1033		1056		1111	1121			1131	1141	1151	
Willesden Junction		0832		0856	0902	0926	0932		0940	0948	0956	1002	1008	1016	1026	1032	1038	1046	1101	1102	1115	1116	1126	1132		1136	1146	1156
Shepherd's Bush	0747	0838	0850		0908		0938	0945		0953		1008		1023		1038	1045	1053		1109		1123		1138	1145		1153	
Kensington (Olympia)	0749	0840	0853		0910		0940	0948		0955		1010		1025		1040	1048	1055		1111		1125		1140	1148		1155	
West Brompton	0751	0843	0856		0913		0943	0950		0957		1013		1027		1043	1050	1057		1114		1127		1143	1150		1157	
Imperial Wharf	0754	0846	0858		0916		0946	0953		1000		1016		1030		1046	1053	1100		1117		1130		1146	1153		1200	

19 May to 7 December 2013

Westbound towards Richmond/Clapham Junction

23

Sundays

				SN A								SN A								SN J					
Stratford		1125		2035	2045			2055	2105	2115		2130	2145			2200		2215	2230			2245	2305		
Hackney Wick		1128		2038	2048			2058	2108	2118		2133	2148			2203		2218	2233			2248	2308		
Homerton		1131		2041	2051			2101	2111	2121		2136	2151			2206		2221	2236			2251	2311		
Hackney Central		1133		2043	2053			2103	2113	2123		2138	2153			2208		2223	2238			2253	2313		
Dalston Kingsland		1135		2045	2055			2105	2115	2125		2140	2155			2210		2225	2240			2255	2315		
Canonbury		1137		2047	2057			2107	2117	2127		2142	2157			2212		2227	2242			2257	2317		
Highbury & Islington		1139		2049	2059			2109	2119	2129		2144	2159			2214		2229	2244			2259	2319		
Caledonian Road & Barnsbury		1141		2051	2101			2111	2121	2131		2146	2201			2216		2231	2246			2301	2321		
Camden Road		1145		2055	2105			2115	2125	2135		2150	2205			2220		2234	2250			2304	2325		
Kentish Town West		1147		2057	2107			2117	2127	2137		2152	2207			2222			2252				2327		
Gospel Oak		1150	then at the same time past each hour until	2100	2110			2120	2130	2140		2155	2210			2225			2255				2330		
Hampstead Heath		1152		2102	2112			2122	2132	2142		2157	2212			2227			2257				2332		
Finchley Road & Frognal		1154		2104	2114			2124	2134	2144		2159	2214			2229			2259				2334		
West Hampstead		1156		2106	2116			2126	2136	2146		2201	2216			2231			2301				2336		
Brondesbury		1158		2108	2118			2128	2138	2148		2203	2218			2233			2303				2338		
Brondesbury Park		1159		2109	2119			2129	2139	2149		2204	2219			2234			2304				2339		
Kensal Rise		1201		2111	2121			2131	2141	2151		2206	2221			2236			2306				2341		
Willesden Junction	1202	1206		2116	2126	2132		2139	2146	2156	2202	2211	2226	2232		2241	2246		2311	2316			2350		
Shepherd's Bush	1208			2123		2138	2145		2153		2208			2238	2245		2253			2323	2345				
Kensington (Olympia)	1210			2125		2140	2148		2155		2210			2240	2248		2255			2325	2348				
West Brompton	1213		2127		2143	2150		2157		2213			2243	2250		2257			2327	2350					
Imperial Wharf	1216		2130		2146	2153		2200		2216			2246	2253		2300			2330	2353					
Clapham Junction	1223		2138		2153	2158		2208		2226			2253	2258		2309			2339	2358					
Acton Central		1211			2131			2144		2201		2216	2231			2246			2316						
South Acton		1214			2134			2147		2204		2219	2234			2249			2319						
Gunnersbury	⊖	1218			2138			2151		2208		2222	2238			2252			2322						
Kew Gardens	⊖	1221			2141			2154		2211		2225	2241			2255			2325						
Richmond	⊖	1226			2146			2159		2217		2231	2246			2301			2332						

Key to symbols and notes - see page 24

19 May to 7 December 2013

Key to symbols and notes

⌚ Frequent District line services run between these stations. Please see London Underground publicity for more details

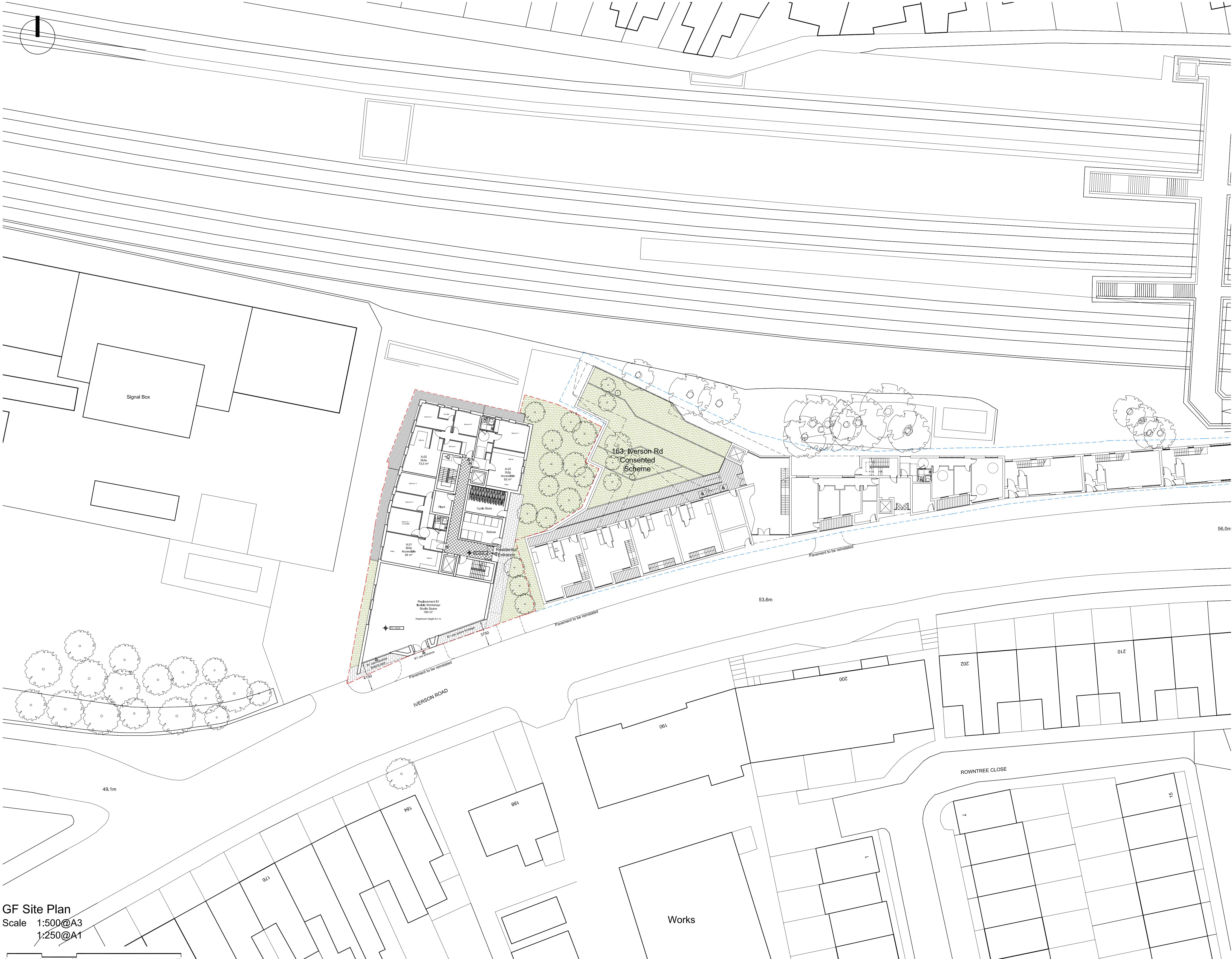
All services run by London Overground unless otherwise indicated

SN Service run by Southern

- A Starts from Watford Junction
- B Starts from Milton Keynes Central; continues to East Croydon
- C Starts from Milton Keynes Central; continues to South Croydon
- D Continues to Purley
- E Starts from Milton Keynes Central; continues to Selhurst
- F Starts from Milton Keynes Central
- G Starts from Watford Junction; continues to South Croydon
- H Starts from Watford Junction; continues to Selhurst
- J Starts from Watford Junction; continues to East Croydon
- K Continues to Watford Junction
- L Starts from Balham; continues to Milton Keynes Central
- M Continues to Milton Keynes Central
- N Starts from Coulsdon Town; continues to Watford Junction
- P Starts from East Croydon; continues to Milton Keynes Central
- Q Starts from East Croydon
- R Starts from South Croydon; continues to Milton Keynes Central
- S Starts from South Croydon; continues to Watford Junction
- T Starts from Woodgrange Park (departs 0759). Does not call at Gospel Oak

APPENDIX C

Architect's Scheme Layout



Copyright: All rights reserved. This drawing must not be reproduced without permission.
Only the original drawing should be relied upon. Contractors, sub-contractors and suppliers must verify all dimensions on site before commencing any work or making any shop drawings.
All shop drawings to be submitted to the architect / interior designer for comment prior to fabrication.
This drawing is to be read in conjunction with the architect's / interior designer's specification, bills of quantities / schedules, structural, mechanical & electrical drawings and all discrepancies are to be reported to the architect / interior designer.
Do not scale from this drawing. Dimensions are in millimetres unless otherwise stated.

NOTES

- Application Site Boundary
- 163 Iverson Rd Consented scheme boundary

P0 Issued for Planning rev amendments	date	by
dexter moren associates	57d jamestown road london nw1 7db UK	
architecture		
project	159-161 Iverson Rd.	
client	McGregor Homes Ltd.	
drawing title	Site Plan	
drawing status	Planning	
scale	1:500 @ A3	1:250 @ A1
date	11.11.13	
drawn by	JB	
checked by	HL	
job no.	0974	
drawing no.	A-000-003	
revision		P0

APPENDIX D

TRICS Output

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 15 - VEHICLE SERVICES
 Category : B - MOTORIST CENTRE (FAST FIT)
VEHICLES

Selected regions and areas:

01	GREATER LONDON	
	EG EALING	2 days
	HO HOUNSLOW	1 days
	LW LEWISHAM	1 days
	SK SOUTHWARK	1 days

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

Filtering Stage 2 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: Gross floor area
 Actual Range: 226 to 800 (units: sqm)
 Range Selected by User: 226 to 800 (units: sqm)

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/00 to 13/12/12

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
Thursday	3 days
Friday	1 days

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

Selected survey types:

Manual count	5 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
Suburban Area (PPS6 Out of Centre)	1
Neighbourhood Centre (PPS6 Local Centre)	1

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	1
Built-Up Zone	2
High Street	1
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.

Filtering Stage 3 selection:

Use Class:

B2 5 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 1 mile:

10,001 to 15,000 1 days
25,001 to 50,000 3 days
101,000 or More 1 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 1 days
500,001 or More 3 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 3 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 5 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.

LIST OF SITES relevant to selection parameters

1	EG-15-B-01	KWIK FIT	EALING
	THE MALL		
	EALING		
	Edge of Town Centre		
	High Street		
	Total Gross floor area:	500 sqm	
	Survey date: THURSDAY	29/04/04	Survey Type: MANUAL
2	EG-15-B-02	KWIK FIT	EALING
	BROADWAY WEST		
	EALING		
	Edge of Town Centre		
	Built-Up Zone		
	Total Gross floor area:	300 sqm	
	Survey date: THURSDAY	13/12/12	Survey Type: MANUAL
3	HO-15-B-01	KWIK FIT	HOUNSLOW
	213 STAINES ROAD		
	HOUNSLOW		
	Neighbourhood Centre (PPS6 Local Centre)		
	Built-Up Zone		
	Total Gross floor area:	420 sqm	
	Survey date: MONDAY	14/05/12	Survey Type: MANUAL
4	LW-15-B-01	KWIK FIT	LEWISHAM
	LEE HIGH ROAD		
	LEWISHAM		
	Suburban Area (PPS6 Out of Centre)		
	Residential Zone		
	Total Gross floor area:	800 sqm	
	Survey date: FRIDAY	23/04/04	Survey Type: MANUAL
5	SK-15-B-01	KWIK FIT	SOUTHWARK
	NEW KENT ROAD		
	ELEPHANT & CASTLE		
	Edge of Town Centre		
	No Sub Category		
	Total Gross floor area:	226 sqm	
	Survey date: THURSDAY	08/10/09	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.

VECTOS 97 TOTTENHAM COURT ROAD LONDON

Licence No: 152301

TRIP RATE for Land Use 15 - VEHICLE SERVICES/B - MOTORIST CENTRE (FAST FIT)
VEHICLES

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	2	360	1.528	2	360	0.139	2	360	1.667
08:00 - 09:00	5	449	1.247	5	449	0.490	5	449	1.737
09:00 - 10:00	5	449	1.514	5	449	1.024	5	449	2.538
10:00 - 11:00	5	449	0.712	5	449	0.890	5	449	1.602
11:00 - 12:00	5	449	1.291	5	449	1.336	5	449	2.627
12:00 - 13:00	5	449	1.247	5	449	1.603	5	449	2.850
13:00 - 14:00	5	449	1.603	5	449	1.336	5	449	2.939
14:00 - 15:00	5	449	1.469	5	449	1.647	5	449	3.116
15:00 - 16:00	5	449	0.668	5	449	1.425	5	449	2.093
16:00 - 17:00	5	449	1.202	5	449	1.158	5	449	2.360
17:00 - 18:00	5	449	0.712	5	449	0.980	5	449	1.692
18:00 - 19:00	5	449	0.223	5	449	0.801	5	449	1.024
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:		13.416			12.829			26.245	

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.

Parameter summary

Trip rate parameter range selected: 226 - 800 (units: sqm)
 Survey date range: 01/01/00 - 13/12/12
 Number of weekdays (Monday-Friday): 5
 Number of Saturdays: 0
 Number of Sundays: 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 E

TRAVL Output

TRAVL - Average Trip Rate by Mode and Time

Report ID 9

List of Surveys:

Name	Address	Postcode	Survey Date
Coverley Close	off Hanbury Street	E1 5HY	11/03/1998
Green Dragon House	Green Dragon House, Stukeley Street, Camden, WC2H 5LQ	WC2H 5LQ	11/09/2008
Winchester Mews	Winchester Mews Camden London	NW3 3NA	18/09/2008

Number of sites considered 3

Counts By Mode:

Mode: All Modes

Time Band	No of Sites	Trip Rate In	Trip Rate Out	Total Trip Rate	Predicted Trips In	Predicted Trips Out	Predicted Trips Total
07:00-07:30	3	0.00000	0.13846	0.13846	0.0	2.6	2.6
07:30-08:00	3	0.03077	0.30769	0.33846	0.6	5.8	6.4
08:00-08:30	3	0.07692	0.61538	0.69231	1.5	11.7	13.2
08:30-09:00	3	0.12308	0.58462	0.70769	2.3	11.1	13.4
09:00-09:30	3	0.21538	0.26154	0.47692	4.1	5.0	9.1
09:30-10:00	3	0.12308	0.09231	0.21538	2.3	1.8	4.1
10:00-10:30	3	0.00000	0.12308	0.12308	0.0	2.3	2.3
10:30-11:00	3	0.01538	0.10769	0.12308	0.3	2.0	2.3
11:00-11:30	3	0.20000	0.15385	0.35385	3.8	2.9	6.7
11:30-12:00	3	0.09231	0.12308	0.21538	1.8	2.3	4.1
12:00-12:30	3	0.13846	0.13846	0.27692	2.6	2.6	5.3
12:30-13:00	3	0.24615	0.10769	0.35385	4.7	2.0	6.7
13:00-13:30	3	0.23077	0.13846	0.36923	4.4	2.6	7.0
13:30-14:00	3	0.15385	0.18462	0.33846	2.9	3.5	6.4
14:00-14:30	3	0.15385	0.12308	0.27692	2.9	2.3	5.3
14:30-15:00	3	0.06154	0.16923	0.23077	1.2	3.2	4.4
15:00-15:30	3	0.18462	0.18462	0.36923	3.5	3.5	7.0
15:30-16:00	3	0.61538	0.09231	0.70769	11.7	1.8	13.4
16:00-16:30	3	0.21538	0.16923	0.38462	4.1	3.2	7.3
16:30-17:00	3	0.30769	0.16923	0.47692	5.8	3.2	9.1
17:00-17:30	3	0.38462	0.21538	0.60000	7.3	4.1	11.4
17:30-18:00	3	0.44615	0.35385	0.80000	8.5	6.7	15.2
18:00-18:30	3	0.38462	0.12308	0.50769	7.3	2.3	9.6
18:30-19:00	3	0.21538	0.27692	0.49231	4.1	5.3	9.4
19:00-19:30	3	0.24615	0.20000	0.44615	4.7	3.8	8.5
19:30-20:00	3	0.20000	0.09231	0.29231	3.8	1.8	5.6
20:00-20:30	3	0.20000	0.24615	0.44615	3.8	4.7	8.5
20:30-21:00	3	0.24615	0.12308	0.36923	4.7	2.3	7.0
21:00-21:30	3	0.20000	0.07692	0.27692	3.8	1.5	5.3
21:30-22:00	3	0.07692	0.03077	0.10769	1.5	0.6	2.0
22:00-22:30	1	0.07143	0.07143	0.14286	1.4	1.4	2.7
22:30-23:00	1	0.07143	0.07143	0.14286	1.4	1.4	2.7
23:00-23:30	1	0.07143	0.00000	0.07143	1.4	0.0	1.4
23:30-24:00	1	0.00000	0.00000	0.00000	0.0	0.0	0.0

Mode: All Modes

Time Band	No of Sites	Trip Rate In	Trip Rate Out	Total Trip Rate	Predicted Trips In	Predicted Trips Out	Predicted Trips Total
-----------	-------------	--------------	---------------	-----------------	--------------------	---------------------	-----------------------

Peak Period For All Modes

In	15:30-16:00	0.62
Out	08:00-08:30	0.62
Total	17:30-18:00	0.80

Mode: Bus

Time Band	No of Sites	Trip Rate In	Trip Rate Out	Total Trip Rate	Predicted Trips In	Predicted Trips Out	Predicted Trips Total
07:30-08:00	3	0.00000	0.12308	0.12308	0.0	2.3	2.3
08:00-08:30	3	0.00000	0.06154	0.06154	0.0	1.2	1.2
08:30-09:00	3	0.01538	0.13846	0.15385	0.3	2.6	2.9
09:00-09:30	3	0.03077	0.04615	0.07692	0.6	0.9	1.5
09:30-10:00	3	0.01538	0.00000	0.01538	0.3	0.0	0.3
13:30-14:00	3	0.01538	0.00000	0.01538	0.3	0.0	0.3
14:30-15:00	3	0.00000	0.06154	0.06154	0.0	1.2	1.2
15:30-16:00	3	0.12308	0.00000	0.12308	2.3	0.0	2.3
16:00-16:30	3	0.01538	0.00000	0.01538	0.3	0.0	0.3
16:30-17:00	3	0.04615	0.00000	0.04615	0.9	0.0	0.9
17:30-18:00	3	0.03077	0.00000	0.03077	0.6	0.0	0.6

Peak Period For Bus

In	15:30-16:00	0.12
Out	08:30-09:00	0.14
Total	08:30-09:00	0.15

Mode: Car Driver + Passengers

Time Band	No of Sites	Trip Rate In	Trip Rate Out	Total Trip Rate	Predicted Trips In	Predicted Trips Out	Predicted Trips Total
07:00-07:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
07:30-08:00	3	0.00000	0.01538	0.01538	0.0	0.3	0.3
08:00-08:30	3	0.03077	0.04615	0.07692	0.6	0.9	1.5
08:30-09:00	3	0.00000	0.01538	0.01538	0.0	0.3	0.3
09:00-09:30	3	0.01538	0.00000	0.01538	0.3	0.0	0.3
09:30-10:00	3	0.01538	0.00000	0.01538	0.3	0.0	0.3
10:00-10:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
10:30-11:00	3	0.00000	0.01538	0.01538	0.0	0.3	0.3
11:00-11:30	3	0.01538	0.01538	0.03077	0.3	0.3	0.6
11:30-12:00	3	0.04615	0.00000	0.04615	0.9	0.0	0.9
12:00-12:30	3	0.00000	0.01538	0.01538	0.0	0.3	0.3
12:30-13:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
13:00-13:30	3	0.01538	0.00000	0.01538	0.3	0.0	0.3
13:30-14:00	3	0.01538	0.03077	0.04615	0.3	0.6	0.9
14:00-14:30	3	0.01538	0.00000	0.01538	0.3	0.0	0.3
14:30-15:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
15:00-15:30	3	0.01538	0.00000	0.01538	0.3	0.0	0.3
15:30-16:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
16:00-16:30	3	0.00000	0.01538	0.01538	0.0	0.3	0.3
16:30-17:00	3	0.03077	0.01538	0.04615	0.6	0.3	0.9
17:00-17:30	3	0.01538	0.01538	0.03077	0.3	0.3	0.6
17:30-18:00	3	0.01538	0.00000	0.01538	0.3	0.0	0.3
18:00-18:30	3	0.00000	0.01538	0.01538	0.0	0.3	0.3
18:30-19:00	3	0.01538	0.04615	0.06154	0.3	0.9	1.2
19:00-19:30	3	0.01538	0.01538	0.03077	0.3	0.3	0.6
19:30-20:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
20:00-20:30	3	0.00000	0.01538	0.01538	0.0	0.3	0.3
20:30-21:00	3	0.04615	0.04615	0.09231	0.9	0.9	1.8
21:00-21:30	3	0.01538	0.00000	0.01538	0.3	0.0	0.3
21:30-22:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
22:00-22:30	1	0.00000	0.00000	0.00000	0.0	0.0	0.0
22:30-23:00	1	0.00000	0.00000	0.00000	0.0	0.0	0.0
23:00-23:30	1	0.00000	0.00000	0.00000	0.0	0.0	0.0
23:30-24:00	1	0.00000	0.00000	0.00000	0.0	0.0	0.0

Peak Period For Car Driver + Passengers

In	11:30-12:00	0.05
Out	08:00-08:30	0.05
Total	20:30-21:00	0.09

Mode: Car Driver

Time Band	No of Sites	Trip Rate In	Trip Rate Out	Total Trip Rate	Predicted Trips In	Predicted Trips Out	Predicted Trips Total
07:00-07:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
07:30-08:00	3	0.00000	0.01538	0.01538	0.0	0.3	0.3
08:00-08:30	3	0.01538	0.01538	0.03077	0.3	0.3	0.6
08:30-09:00	3	0.00000	0.01538	0.01538	0.0	0.3	0.3
09:00-09:30	3	0.01538	0.00000	0.01538	0.3	0.0	0.3
09:30-10:00	3	0.01538	0.00000	0.01538	0.3	0.0	0.3
10:00-10:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
10:30-11:00	3	0.00000	0.01538	0.01538	0.0	0.3	0.3
11:00-11:30	3	0.01538	0.01538	0.03077	0.3	0.3	0.6
11:30-12:00	3	0.03077	0.00000	0.03077	0.6	0.0	0.6
12:00-12:30	3	0.00000	0.01538	0.01538	0.0	0.3	0.3
12:30-13:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
13:00-13:30	3	0.01538	0.00000	0.01538	0.3	0.0	0.3
13:30-14:00	3	0.01538	0.03077	0.04615	0.3	0.6	0.9
14:00-14:30	3	0.01538	0.00000	0.01538	0.3	0.0	0.3
14:30-15:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
15:00-15:30	3	0.01538	0.00000	0.01538	0.3	0.0	0.3
15:30-16:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
16:00-16:30	3	0.00000	0.01538	0.01538	0.0	0.3	0.3
16:30-17:00	3	0.03077	0.01538	0.04615	0.6	0.3	0.9
17:00-17:30	3	0.01538	0.01538	0.03077	0.3	0.3	0.6
17:30-18:00	3	0.01538	0.00000	0.01538	0.3	0.0	0.3
18:00-18:30	3	0.00000	0.01538	0.01538	0.0	0.3	0.3
18:30-19:00	3	0.01538	0.01538	0.03077	0.3	0.3	0.6
19:00-19:30	3	0.01538	0.01538	0.03077	0.3	0.3	0.6
19:30-20:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
20:00-20:30	3	0.00000	0.01538	0.01538	0.0	0.3	0.3
20:30-21:00	3	0.03077	0.03077	0.06154	0.6	0.6	1.2
21:00-21:30	3	0.01538	0.00000	0.01538	0.3	0.0	0.3
21:30-22:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
22:00-22:30	1	0.00000	0.00000	0.00000	0.0	0.0	0.0
22:30-23:00	1	0.00000	0.00000	0.00000	0.0	0.0	0.0
23:00-23:30	1	0.00000	0.00000	0.00000	0.0	0.0	0.0
23:30-24:00	1	0.00000	0.00000	0.00000	0.0	0.0	0.0

Peak Period For Car Driver

In	20:30-21:00	0.03
Out	20:30-21:00	0.03
Total	20:30-21:00	0.06

Mode: Car Passenger

Time Band	No of Sites	Trip Rate In	Trip Rate Out	Total Trip Rate	Predicted Trips In	Predicted Trips Out	Predicted Trips Total
07:00-07:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
07:30-08:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
08:00-08:30	3	0.01538	0.03077	0.04615	0.3	0.6	0.9
08:30-09:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
09:00-09:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
09:30-10:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
10:00-10:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
10:30-11:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
11:00-11:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
11:30-12:00	3	0.01538	0.00000	0.01538	0.3	0.0	0.3
12:00-12:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
12:30-13:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
13:00-13:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
13:30-14:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
14:00-14:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
14:30-15:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
15:00-15:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
15:30-16:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
16:00-16:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
16:30-17:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
17:00-17:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
17:30-18:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
18:00-18:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
18:30-19:00	3	0.00000	0.03077	0.03077	0.0	0.6	0.6
19:00-19:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
19:30-20:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
20:00-20:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
20:30-21:00	3	0.01538	0.01538	0.03077	0.3	0.3	0.6
21:00-21:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
21:30-22:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
22:00-22:30	1	0.00000	0.00000	0.00000	0.0	0.0	0.0
22:30-23:00	1	0.00000	0.00000	0.00000	0.0	0.0	0.0
23:00-23:30	1	0.00000	0.00000	0.00000	0.0	0.0	0.0
23:30-24:00	1	0.00000	0.00000	0.00000	0.0	0.0	0.0

Peak Period For Car Passenger

In	08:00-08:30	0.02
Out	18:30-19:00	0.03
Total	08:00-08:30	0.05

Mode: Coach

Time Band	No of Sites	Trip Rate In	Trip Rate Out	Total Trip Rate	Predicted Trips In	Predicted Trips Out	Predicted Trips Total
07:00-07:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
07:30-08:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
08:00-08:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
08:30-09:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
09:00-09:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
09:30-10:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
10:00-10:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
10:30-11:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
11:00-11:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
11:30-12:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
12:00-12:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
12:30-13:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
13:00-13:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
13:30-14:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
14:00-14:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
14:30-15:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
15:00-15:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
15:30-16:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
16:00-16:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
16:30-17:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
17:00-17:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
17:30-18:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
18:00-18:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
18:30-19:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
19:00-19:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
19:30-20:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
20:00-20:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
20:30-21:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
21:00-21:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
21:30-22:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
22:00-22:30	1	0.00000	0.00000	0.00000	0.0	0.0	0.0
22:30-23:00	1	0.00000	0.00000	0.00000	0.0	0.0	0.0
23:00-23:30	1	0.00000	0.00000	0.00000	0.0	0.0	0.0
23:30-24:00	1	0.00000	0.00000	0.00000	0.0	0.0	0.0

Peak Period For Coach

In	08:00-08:30	0.00
Out	18:30-19:00	0.00
Total	08:00-08:30	0.00

Mode: Motor Cycle

Time Band	No of Sites	Trip Rate In	Trip Rate Out	Total Trip Rate	Predicted Trips In	Predicted Trips Out	Predicted Trips Total
07:00-07:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
07:30-08:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
08:00-08:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
08:30-09:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
09:00-09:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
09:30-10:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
10:00-10:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
10:30-11:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
11:00-11:30	3	0.01538	0.01538	0.03077	0.3	0.3	0.6
11:30-12:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
12:00-12:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
12:30-13:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
13:00-13:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
13:30-14:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
14:00-14:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
14:30-15:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
15:00-15:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
15:30-16:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
16:00-16:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
16:30-17:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
17:00-17:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
17:30-18:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
18:00-18:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
18:30-19:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
19:00-19:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
19:30-20:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
20:00-20:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
20:30-21:00	3	0.01538	0.01538	0.03077	0.3	0.3	0.6
21:00-21:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
21:30-22:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
22:00-22:30	1	0.00000	0.00000	0.00000	0.0	0.0	0.0
22:30-23:00	1	0.00000	0.00000	0.00000	0.0	0.0	0.0
23:00-23:30	1	0.00000	0.00000	0.00000	0.0	0.0	0.0
23:30-24:00	1	0.00000	0.00000	0.00000	0.0	0.0	0.0

Peak Period For Motor Cycle

In	11:00-11:30	0.02
Out	11:00-11:30	0.02
Total	20:30-21:00	0.03

Mode: Other

Time Band	No of Sites	Trip Rate In	Trip Rate Out	Total Trip Rate	Predicted Trips In	Predicted Trips Out	Predicted Trips Total
07:00-07:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
07:30-08:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
08:00-08:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
08:30-09:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
09:00-09:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
09:30-10:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
10:00-10:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
10:30-11:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
11:00-11:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
11:30-12:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
12:00-12:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
12:30-13:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
13:00-13:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
13:30-14:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
14:00-14:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
14:30-15:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
15:00-15:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
15:30-16:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
16:00-16:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
16:30-17:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
17:00-17:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
17:30-18:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
18:00-18:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
18:30-19:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
19:00-19:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
19:30-20:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
20:00-20:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
20:30-21:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
21:00-21:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
21:30-22:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
22:00-22:30	1	0.00000	0.00000	0.00000	0.0	0.0	0.0
22:30-23:00	1	0.00000	0.00000	0.00000	0.0	0.0	0.0
23:00-23:30	1	0.00000	0.00000	0.00000	0.0	0.0	0.0
23:30-24:00	1	0.00000	0.00000	0.00000	0.0	0.0	0.0

Peak Period For Other

In	11:00-11:30	0.00
Out	11:00-11:30	0.00
Total	20:30-21:00	0.00

Mode: Pedal Cycle

Time Band	No of Sites	Trip Rate In	Trip Rate Out	Total Trip Rate	Predicted Trips In	Predicted Trips Out	Predicted Trips Total
07:00-07:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
07:30-08:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
08:00-08:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
08:30-09:00	3	0.01538	0.03077	0.04615	0.3	0.6	0.9
09:00-09:30	3	0.00000	0.03077	0.03077	0.0	0.6	0.6
09:30-10:00	3	0.00000	0.03077	0.03077	0.0	0.6	0.6
10:00-10:30	3	0.00000	0.01538	0.01538	0.0	0.3	0.3
10:30-11:00	3	0.00000	0.01538	0.01538	0.0	0.3	0.3
11:00-11:30	3	0.01538	0.01538	0.03077	0.3	0.3	0.6
11:30-12:00	3	0.01538	0.00000	0.01538	0.3	0.0	0.3
12:00-12:30	3	0.01538	0.01538	0.03077	0.3	0.3	0.6
12:30-13:00	3	0.00000	0.01538	0.01538	0.0	0.3	0.3
13:00-13:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
13:30-14:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
14:00-14:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
14:30-15:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
15:00-15:30	3	0.01538	0.01538	0.03077	0.3	0.3	0.6
15:30-16:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
16:00-16:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
16:30-17:00	3	0.01538	0.01538	0.03077	0.3	0.3	0.6
17:00-17:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
17:30-18:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
18:00-18:30	3	0.04615	0.01538	0.06154	0.9	0.3	1.2
18:30-19:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
19:00-19:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
19:30-20:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
20:00-20:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
20:30-21:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
21:00-21:30	3	0.01538	0.00000	0.01538	0.3	0.0	0.3
21:30-22:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
22:00-22:30	1	0.00000	0.00000	0.00000	0.0	0.0	0.0
22:30-23:00	1	0.00000	0.00000	0.00000	0.0	0.0	0.0
23:00-23:30	1	0.00000	0.00000	0.00000	0.0	0.0	0.0
23:30-24:00	1	0.00000	0.00000	0.00000	0.0	0.0	0.0

Peak Period For Pedal Cycle

In	18:00-18:30	0.05
Out	09:30-10:00	0.03
Total	18:00-18:30	0.06

Mode: Taxi

Time Band	No of Sites	Trip Rate In	Trip Rate Out	Total Trip Rate	Predicted Trips In	Predicted Trips Out	Predicted Trips Total
07:00-07:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
07:30-08:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
08:00-08:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
08:30-09:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
09:00-09:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
09:30-10:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
10:00-10:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
10:30-11:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
11:00-11:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
11:30-12:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
12:00-12:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
12:30-13:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
13:00-13:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
13:30-14:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
14:00-14:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
14:30-15:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
15:00-15:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
15:30-16:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
16:00-16:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
16:30-17:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
17:00-17:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
17:30-18:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
18:00-18:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
18:30-19:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
19:00-19:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
19:30-20:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
20:00-20:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
20:30-21:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
21:00-21:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
21:30-22:00	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
22:00-22:30	1	0.00000	0.00000	0.00000	0.0	0.0	0.0
22:30-23:00	1	0.00000	0.00000	0.00000	0.0	0.0	0.0
23:00-23:30	1	0.00000	0.00000	0.00000	0.0	0.0	0.0
23:30-24:00	1	0.00000	0.00000	0.00000	0.0	0.0	0.0

Peak Period For Taxi

In	18:00-18:30	0.00
Out	09:30-10:00	0.00
Total	18:00-18:30	0.00

Mode: Underground

Time Band	No of Sites	Trip Rate In	Trip Rate Out	Total Trip Rate	Predicted Trips In	Predicted Trips Out	Predicted Trips Total
07:30-08:00	3	0.00000	0.01538	0.01538	0.0	0.3	0.3
08:00-08:30	3	0.00000	0.06154	0.06154	0.0	1.2	1.2
08:30-09:00	3	0.01538	0.01538	0.03077	0.3	0.3	0.6
10:00-10:30	3	0.00000	0.00000	0.00000	0.0	0.0	0.0
13:00-13:30	3	0.03077	0.00000	0.03077	0.6	0.0	0.6
15:30-16:00	3	0.04615	0.00000	0.04615	0.9	0.0	0.9
16:00-16:30	3	0.01538	0.00000	0.01538	0.3	0.0	0.3
18:30-19:00	3	0.01538	0.00000	0.01538	0.3	0.0	0.3

Peak Period For Underground

In	15:30-16:00	0.05
Out	08:00-08:30	0.06
Total	08:00-08:30	0.06

Mode: Walk & PT

Time Band	No of Sites	Trip Rate In	Trip Rate Out	Total Trip Rate	Predicted Trips In	Predicted Trips Out	Predicted Trips Total
07:00-07:30	3	0.00000	0.04615	0.04615	0.0	0.9	0.9
07:30-08:00	3	0.03077	0.00000	0.03077	0.6	0.0	0.6
08:00-08:30	3	0.00000	0.07692	0.07692	0.0	1.5	1.5
08:30-09:00	3	0.03077	0.12308	0.15385	0.6	2.3	2.9
09:00-09:30	3	0.03077	0.07692	0.10769	0.6	1.5	2.0
09:30-10:00	3	0.01538	0.01538	0.03077	0.3	0.3	0.6
10:00-10:30	3	0.00000	0.01538	0.01538	0.0	0.3	0.3
10:30-11:00	3	0.01538	0.00000	0.01538	0.3	0.0	0.3
11:00-11:30	3	0.01538	0.03077	0.04615	0.3	0.6	0.9
11:30-12:00	3	0.00000	0.01538	0.01538	0.0	0.3	0.3
12:00-12:30	3	0.06154	0.01538	0.07692	1.2	0.3	1.5
12:30-13:00	3	0.04615	0.01538	0.06154	0.9	0.3	1.2
13:00-13:30	3	0.04615	0.03077	0.07692	0.9	0.6	1.5
13:30-14:00	3	0.04615	0.03077	0.07692	0.9	0.6	1.5
14:00-14:30	3	0.06154	0.04615	0.10769	1.2	0.9	2.0
14:30-15:00	3	0.01538	0.01538	0.03077	0.3	0.3	0.6
15:00-15:30	3	0.04615	0.01538	0.06154	0.9	0.3	1.2
15:30-16:00	3	0.04615	0.01538	0.06154	0.9	0.3	1.2
16:00-16:30	3	0.09231	0.04615	0.13846	1.8	0.9	2.6
16:30-17:00	3	0.03077	0.01538	0.04615	0.6	0.3	0.9
17:00-17:30	3	0.07692	0.03077	0.10769	1.5	0.6	2.0
17:30-18:00	3	0.04615	0.03077	0.07692	0.9	0.6	1.5
18:00-18:30	3	0.04615	0.01538	0.06154	0.9	0.3	1.2
18:30-19:00	3	0.03077	0.01538	0.04615	0.6	0.3	0.9
19:00-19:30	3	0.03077	0.03077	0.06154	0.6	0.6	1.2
19:30-20:00	3	0.03077	0.03077	0.06154	0.6	0.6	1.2
20:00-20:30	3	0.07692	0.09231	0.16923	1.5	1.8	3.2
20:30-21:00	3	0.03077	0.04615	0.07692	0.6	0.9	1.5
21:00-21:30	3	0.03077	0.03077	0.06154	0.6	0.6	1.2
21:30-22:00	3	0.01538	0.00000	0.01538	0.3	0.0	0.3
22:00-22:30	1	0.07143	0.07143	0.14286	1.4	1.4	2.7
22:30-23:00	1	0.07143	0.07143	0.14286	1.4	1.4	2.7
23:00-23:30	1	0.07143	0.00000	0.07143	1.4	0.0	1.4
23:30-24:00	1	0.00000	0.00000	0.00000	0.0	0.0	0.0

Peak Period For Walk & PT

In	16:00-16:30	0.09
Out	08:30-09:00	0.12
Total	20:00-20:30	0.17

Mode: Walk only

Time Band	No of Sites	Trip Rate In	Trip Rate Out	Total Trip Rate	Predicted Trips In	Predicted Trips Out	Predicted Trips Total
07:00-07:30	3	0.00000	0.09231	0.09231	0.0	1.8	1.8
07:30-08:00	3	0.00000	0.15385	0.15385	0.0	2.9	2.9
08:00-08:30	3	0.04615	0.36923	0.41538	0.9	7.0	7.9
08:30-09:00	3	0.04615	0.26154	0.30769	0.9	5.0	5.8
09:00-09:30	3	0.13846	0.10769	0.24615	2.6	2.0	4.7
09:30-10:00	3	0.07692	0.04615	0.12308	1.5	0.9	2.3
10:00-10:30	3	0.00000	0.09231	0.09231	0.0	1.8	1.8
10:30-11:00	3	0.00000	0.07692	0.07692	0.0	1.5	1.5
11:00-11:30	3	0.13846	0.07692	0.21538	2.6	1.5	4.1
11:30-12:00	3	0.03077	0.10769	0.13846	0.6	2.0	2.6
12:00-12:30	3	0.06154	0.09231	0.15385	1.2	1.8	2.9
12:30-13:00	3	0.20000	0.07692	0.27692	3.8	1.5	5.3
13:00-13:30	3	0.13846	0.10769	0.24615	2.6	2.0	4.7
13:30-14:00	3	0.07692	0.12308	0.20000	1.5	2.3	3.8
14:00-14:30	3	0.07692	0.07692	0.15385	1.5	1.5	2.9
14:30-15:00	3	0.04615	0.09231	0.13846	0.9	1.8	2.6
15:00-15:30	3	0.10769	0.15385	0.26154	2.0	2.9	5.0
15:30-16:00	3	0.40000	0.07692	0.47692	7.6	1.5	9.1
16:00-16:30	3	0.09231	0.10769	0.20000	1.8	2.0	3.8
16:30-17:00	3	0.18462	0.12308	0.30769	3.5	2.3	5.8
17:00-17:30	3	0.29231	0.16923	0.46154	5.6	3.2	8.8
17:30-18:00	3	0.35385	0.32308	0.67692	6.7	6.1	12.9
18:00-18:30	3	0.29231	0.07692	0.36923	5.6	1.5	7.0
18:30-19:00	3	0.15385	0.21538	0.36923	2.9	4.1	7.0
19:00-19:30	3	0.20000	0.15385	0.35385	3.8	2.9	6.7
19:30-20:00	3	0.16923	0.06154	0.23077	3.2	1.2	4.4
20:00-20:30	3	0.12308	0.13846	0.26154	2.3	2.6	5.0
20:30-21:00	3	0.15385	0.01538	0.16923	2.9	0.3	3.2
21:00-21:30	3	0.13846	0.04615	0.18462	2.6	0.9	3.5
21:30-22:00	3	0.06154	0.03077	0.09231	1.2	0.6	1.8

Peak Period For Walk only

In	15:30-16:00	0.40
Out	08:00-08:30	0.37
Total	17:30-18:00	0.68