LAND SOUTH OF CHISWELL GREEN LANE, CHISWELL GREEN, ST ALBANS

HIGHWAYS STATEMENT OF COMMON GROUND CD3.17

Anthony Jones BSc MCIHT

SECTION 78 APPEAL REFERENCE: APP/B1930/W/22/3313110 PLANNING APPLICATION REFERENCE: 5/2022/0927

Prepared for: Alban Developments Limited and Alban Peter Pearson, CALA Homes (Chiltern) Ltd and Redington Capital Ltd

Ref: 003_8230258_AJ Issue 3: 11 April 2023

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1.0 Introduction

- 1.1 This is an agreed Statement of Common Ground (SoCGT) on issues relating to highways and transportation, which has been prepared by Glanville Consultants (GLC) and agreed with Hertfordshire County Council (HCC). It sets out various matters of fact and other areas of agreement in connection with an appeal lodged under Section 78 of the Town and Country Planning Act 1990 in respect of outline planning permission for the development of land to the south of Chiswell Green Lane in Chiswell Green, Hertfordshire. The appeal scheme is for up to 391 residential dwellings, including 40% affordable homes, and a new school.
- 1.2 The SoCGT confirms the areas where there is agreement between the parties (HCC and GLC) in relation to highways and transportation issues associated with the scheme. It also confirms that there are no highway or transport related areas of disagreement subject to the package of mitigation measures set out in **Chapter 2** of this SoCGT.
- 1.3 The issues that are dealt with within this SoCGT include:
 - i) The application site and the application proposal;
 - ii) Access to facilities and amenities by walking, cycling and public transport;
 - iii) Vehicular access and trip impact;
 - iv) Planning conditions and obligations;
 - v) Areas of agreement and dispute.
- 1.4 The SoCGT confirms that all matters are agreed and that there are no areas of dispute with HCC.

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2.0 The Application Site

Site Location and Composition

- 2.1 This appeal site is located to the south of Chiswell Green Lane around 300m west of B4630 Watford Road. The location of the site in its wider geographical context is shown within Figure SoCGT/1
- 2.2 It is agreed that the appeal site will not have an impact on the local Public Rights of Way routes located adjacent to the site. A copy of the definitive map extract has been provided within **Appendix SoCGT/1**.
- 2.3 The appeal site is located adjacent to the existing settlement, and it is agreed to be sustainable in terms of general location, subject to the agreed active travel mitigation package.

The Appeal Scheme

2.4 The appeal seeks outline planning consent for development to the south of Chiswell Green Lane in Chiswell Green, near St Albans. It is proposed to provide up to 391 dwellings, including 40 percent affordable homes, and a new school.

Site Access

Northern Parcel

- 2.5 It is proposed to provide vehicular and pedestrian / cycle access to the northern parcel via two new priority T-junctions on Chiswell Green Lane (**CD 1.22**). It is agreed that the design of these accord with the relevant design guidance and that the swept path assessment shows that suitable vehicles can access and egress the site safely.
- 2.6 It is agreed that the proposed access strategy on Chiswell Green Lane also incorporates ten formal parking spaces for existing local residents who reside on the northern side of Chiswell Green Lane and provides betterment in comparison to the extant situation where residents park on the existing southern verge.
- 2.7 It is agreed that the proposed parking scheme within the vicinity of the appeal scheme's northern site boundary and located approximately 23 metres to the east of the westernmost access on Chiswell Green Lane is appropriate in terms of highway safety and operation.
- 2.8 It is agreed that the proposed access strategy for the northern parcel is appropriate in terms of highway safety and operation.

Southern Parcel

2.9 It is proposed to provide a new priority T-junction at Forge End, positioned between an existing gap between two existing dwellings, will facilitate access to the southern parcel of the site for vehicles, pedestrians and cyclists (**CD 1.18**). Further access for pedestrians and cyclists will also be provided from both Forge End and Long Fallow.

- 2.10 The pedestrian and cycle access at Long Fallow will also facilitate a second point of access to the southern part of the site for emergency blue light service vehicles. To prevent this access point being used by vehicles other than the emergency blue light services, access will be controlled by lockable / droppable bollards (CD 1.19).
- 2.11 It is agreed that the proposed access strategy for the southern parcel is appropriate in terms of highway safety and operation.

Internal Layout

- 2.12 The application is submitted in outline with all matters reserved except access. It is agreed that approval for the detailed internal layout will be secured through a reserved matters application or applications and that the number of car and cycling parking spaces and the details of the car park layout can be confirmed through reserved matters planning applications.
- 2.13 The residential development is split into two parcels with no vehicular access between the two parcels. Internal pedestrian / cycle links are to be provided that connect the site with the proposed pedestrian and cycle access points provided at Chiswell Green Lane, Forge End and Long Fallow.
- 2.14 It is agreed that the good walking and cycling facilities will provide improved connections between Long Fallow, Forge End and Chiswell Green Lane and have the potential to reduce vehicular travel off-site.
- 2.15 It is agreed that the number of delivery and service vehicles on any given day will be low in real terms and that these will not have a material impact on the operation or safety of the local highway network.

Local Highway Network

- 2.16 It is agreed that the existing footways, footpaths and cycle routes on the surrounding road network are of a provided to a suitable standard for new residents to access the surrounding facilities and amenities in the local area, subject to the active travel mitigation measures proposed.
- 2.17 It is agreed that the existing highway infrastructure, including road junctions, pedestrian facilities and gradients, are appropriate to accommodate the existing and forecast trips by all modes of travel associated with the appeal site, subject to the provision of the active travel mitigation set out within **paragraph 2.55** of this document. It is agreed that they all function well with no adverse highway pattern or problem including Forge End and Long Fallow.
- 2.18 It is agreed that some on-street parking on residential roads can have a traffic calming effect.
- 2.19 It is agreed that Chiswell Lane, Forge End and Long Fallow are suitable roads to accommodate trips by all modes of transport forecast to be generated by the appeal scheme, subject to the active travel mitigation measures proposed.
- 2.20 It is agreed that the appeal scheme will not have an impact on existing on-street parking levels on the surrounding residential streets, including Forge End and Long Fallow.

Public Transport

Bus

- 2.21 The nearest operational bus stops are located on Watford Road either side of the double mini-roundabout junction, 152m south of Forge End, and 30m north of Long Fallow and Tippendell Lane. These serve routes 321, 724 and 361. The first two services are operated by Arriva and the last service is operated by Red Eagle and all provide connections to St Albans and Watford.
- 2.22 The bus service timetables are shown in **Appendix SoCGT/2**, whilst the bus routes are shown on **Figure SoCGT/2**.
- 2.23 The nearest operational bus stops on Watford Road are located within 700 metres walking distance of the centroid of the site using the footway / footpath improvements proposed as part of the appeal scheme and via existing walking routes in Chiswell Green. This equates to a circa eight minute walk based on an average walking speed of 80 metres per minute.
- 2.24 It is agreed that the highway authority did not consider that the walking distances from the appeal scheme to the local bus stop were adverse to the promotion of public transport use. Further, and in particular, the highway authority confirmed that they did not wish to see the bus 321 diverted into the site (see its final consultation response to the outline planning application as included within **Appendix SoCGT/3**).
- 2.25 It is agreed that HCC is content that through the \$106 funding from the appeal scheme, funding from the Bus Service Improvement plan and funding from other sources that these services will be financially viable after 5 years (see **Appendix SoCGT/4**).

Rail

- 2.26 How Wood and Park Street railways stations are located circa 2.8km cycle from the centre of the development.
- 2.27 It is agreed that the appeal site is within a short (2.8km) cycle journey along NCR 6 to How Wood and Park Street railway stations.
- 2.28 It is also agreed that the mainline railway stations of St Albans City and Watford Junction are around a 5km and 8.9km cycling distance of the site, respectively, and are also accessible by bus (see **Figure SoCGT/3**).

<u>Summary</u>

2.29 It is agreed that the existing local bus services and rail service provision offer a real choice of travel to and from the appeal site. It is agreed that the appeal scheme will further encourage the use of these modes of travel via the proposed \$106 funding to increase the bus frequency within Chiswell Green, the active travel improvements proposed, and the provision of a Travel Plan that includes incentives and measures, such as the provision of sustainable travel vouchers for first occupants.

Highway Safety

- 2.30 It is agreed that there is no material existing highway accident pattern or problem on the local highway network in Chiswell Green based on the Personal Injury Accident data for the latest five year period between 01 October 2017 and 30 September 2022.
- 2.31 It is agreed that the additional trips forecast from the appeal site will not have a material impact on the safety of the local junctions, on-street parking on the surrounding residential streets, including Forge End and Long Fallow, or the general safety or operation of the local highway network.

Proximity to Local Services and Facilities

- 2.32 It is agreed that Manual for Streets states that walkable neighbourhoods are typically characterised by having a range of facilities within 800m walking distance of residential areas, which residents may access comfortably on foot. Whilst **Figure SoCGT/4** shows that all amenities within the centre of Chiswell Green are within an 800m walk of the centre of the site, it is agreed that Manual for Streets states that this is not an upper limit and that walking offers the greatest potential to replace car trips, particularly those under 2km.
- 2.33 As shown in **Figure SoCGT/4**, it is agreed that all the existing services, facilities, amenities and bus stops within Chiswell Green are located within a 2km walk of the centre of the site. How Wood railway station is just outside of this distance at 2.8km.
- 2.34 As shown in **Figure SoCGT/3**, it is agreed that Park Street, How Wood, Bricket Wood and St Albans City railway station are within a 5km cycle of the centre of the site. Similarly, the centres of St Albans and Garston are also within a 5km cycle of the site.
- 2.35 It is agreed that the scheme is suitably located to encourage future residents to take-up opportunities to use sustainable transport modes and that a mix of existing services, facilities, amenities and public transport opportunities, which are likely to be required on a daily basis, are suitably placed and located within walking and cycling distance.

Residential and School Travel Plans

- 2.36 It is agreed that the Residential and School Travel Plans, as submitted with the outline planning application, and the approach adopted therein, is appropriate for the scale of development, and that these documents will help to reduce car journeys, particularly single occupancy car journeys.
- 2.37 It is agreed that the School Travel Plan will be upgraded to a Modeshift STARS School Travel Plan prior to the school opening, with updated targets based on the success of the Residential Travel Plan, and that this will be approved by HCC's School Travel Plan Team before coming into operation.
- 2.38 The objectives of these Travel Plans are to encourage a modal shift away from private cars to sustainable travel.
- 2.39 The Residential Travel Plan shows a 10% reduction in car driver mode share as a result of the active travel improvements not accounting for residents who may choose to work from home, the bus funding, and the provision of sustainable travel vouchers.

- 2.40 This target would result in a modal shift of 39 private car trips in the morning peak hour and 17 private car trips in evening peak hour to other more sustainable modes of transport.
- 2.41 To achieve this, the Residential Travel Plan seeks to achieve an increase in 16 residents walking, 21 cycling, and 21 using public transport in the morning peak hour. It also seeks to achieve an increase of ten residents walking, ten cycling, and ten using public transport in the evening peak hour.
- 2.42 Noting the agreed sustainable travel package to mitigate the impact of the scheme, building on the existing good opportunities for residents to walk, cycle and / or use the nearby public transport opportunities, it is agreed that the forecast targets for increasing the modal share of walking, cycling and public transport trips are realistic and achievable.
- 2.43 It is agreed that the Travel Plans are also dynamic documents and so additional measures and initiatives can be incorporated over the life of the Travel Plans to further encourage walking and cycling in preference to car use.
- 2.44 As financial contributions will be provided as part of the \$106 for HCC to undertake monitoring of the Travel Plans, the Travel Plan also including monitoring measures and opportunities to allow the highway authority to review the modal share targets and consider additional measures and initiatives if they are found to be failing.

Planning Application

- 2.45 It is agreed that national and local transport policy is, wherever possible, to seek alternative solutions to building new roads / improving capacity at existing junctions.
- 2.46 It is agreed that transport mitigation plan or package of measures should focus on maximising sustainable accessibility to the development.
- 2.47 It is agreed the methodology of the Transport Assessment (**CD 2.9**) that accompanied the planning application was agreed with the highway authority at HCC. This included reaching agreement on:
 - i. trip generation;
 - ii. trip distribution / assignment;
 - iii. committed / allocated development; and
 - iv. assessment years.
- 2.48 It is agreed that the highway authority at HCC acknowledges that the Transport Assessment showed that there would be a reduction in the operational performance of the B4630 Watford Road / Tippendell Lane / Chiswell Green Lane double mini-roundabout under future year (2027) traffic conditions during the weekday AM and PM peak hour periods.

- 2.49 It is agreed that the highway authority at HCC does not consider that the impact of the appeal scheme on highway capacity is sufficiently material that it could not be appropriately mitigated by way of a sustainable transport package in accordance with its wider aspirations to improve connectivity between Chiswell Green, Park Street and St Albans and reduce through traffic on the Watford Road corridor as part of the Chiswell Green Corridor Active Travel Improvements as identified in the South Central Hertfordshire Growth and Transport Plan document.
- 2.50 It is agreed that HCC considers the substantial investment in off-site active travel mode infrastructure associated with the delivery of development on the appeal site is fully in alignment with the objectives embodied within Local Transport Plan 4 (LTP4) Policy 1 (CD 8.23) and the NPPF (CD 7.1) and delivers a more balanced travel demand for future households and visitors.
- 2.51 It is agreed that this is because HCC does not consider that highway capacity improvements by way of mitigating the impact of development schemes are an appropriate long term solution to reduce reliance on private car travel, support growth in sustainable transport and the objectives embodied within their own LTP4 Policy 1 or the National Planning Policy Framework (NPPF).

Planning Conditions and Obligations

- 2.52 It is agreed that the proposed planning conditions set out in Appendix 1 of the agreed overarching SoCG are appropriate (see **CD 3.12**).
- 2.53 It is agreed that the appeal scheme proposes to provide a \$106 sustainable transport contribution of up to £2,668,966.00 based on £6,826 per dwelling as set out within Appendix 1 of HCC's Developer Contribution guidance document (**Appendix SoCGT/5**).
- 2.54 The draft \$106 agreement identifies that this contribution will go towards the following:
 - a. £6,000 for monitoring of the Residential Travel Plan;
 - b. £7,500 for monitoring of the School Travel Plan;
 - c. £175k per year of bus funding for a five-year period; and
 - d. the provision of sustainable travel vouchers to residents (£210 per dwelling).
- 2.55 It is understood that the costs of the off-site sustainable transport improvements will also be deductible from the sustainable transport \$106 contribution, and these will include the following (see Figure SoCGT/5):
 - i. The provision of a 3m footway / cycleway on Chiswell Green Lane which has been designed in accordance with LTN1/20 (see **Appendix SoCGT/6**).
 - ii. The provision of a Tiger crossing, which is a zebra crossing with an adjacent cycle crossing facility, at the double mini-roundabout junction at B4630 Watford Road / Tippendell Lane / Chiswell Green Lane, which will provide pedestrian and cycle access to the eastern side of Watford Road and improving connectivity to National Cycle Route 6.
 - iii. The provision of pedestrian / cycle accesses onto Forge End and Long Fallow to provide access to the southern end of Watford Road, and when combined with the routes through the site, improve connections between Watford Road and Chiswell Green Lane and the adjacent Public Rights of Way network.

- iv. The provision of a new Tiger crossing across Watford Road at its junction with Forge End to provide a new cycle link to the National Cycle Route 6 via Farringford Close and Carisbrook Road.
- v. The implementation of HCC's cycle improvements along Watford Road, between Chiswell Green Lane and the A405 North Orbital Road. The proposals are just part of HCC's proposed improvements. When combined with the St Stephen's Green Farm proposals and proposals to the south of the M25, there will be a continuous improved pedestrian / cycle route along the Watford Road corridor between St Albans and Watford.
- 2.56 The off-site active travel improvements are agreed to be acceptable by the highway authority (to mitigate the forecast impact of the appeal scheme and that there is no need to consider capacity improvements at the Watford Road double mini-roundabout junction in accordance with the LTP4 (CD 8.23) for the individual impact of the appeal scheme.
- 2.57 It is agreed that the mitigation package will further enhance the accessibility of the application site and encourage future residents to use sustainable modes of travel.
- 2.58 It is agreed that the mitigation package will also benefit existing residents on Chiswell Green Lane, Forge End, Long Fallow and the residential areas access of both Chiswell Green Lane and Watford Road.
- 2.59 It is agreed that the agreed transport mitigation package is comprehensive and commensurate with the nature and scale of the appeal scheme.

Transport Policy Guidance

- 2.60 It is agreed that the application scheme accords with national and local transport policy.
- 2.61 It is agreed that the development to the south of Chiswell Green Lane with the package of sustainable transport measures on its own will not have a significant impact on the operation or safety of the highway network and that it is appropriately accessible, commensurate with its location to provide suitable opportunities for sustainable travel.

3.0 Areas of Agreement and Dispute

3.1 There are no areas of dispute.

4.0 Signatures

11 April 2023

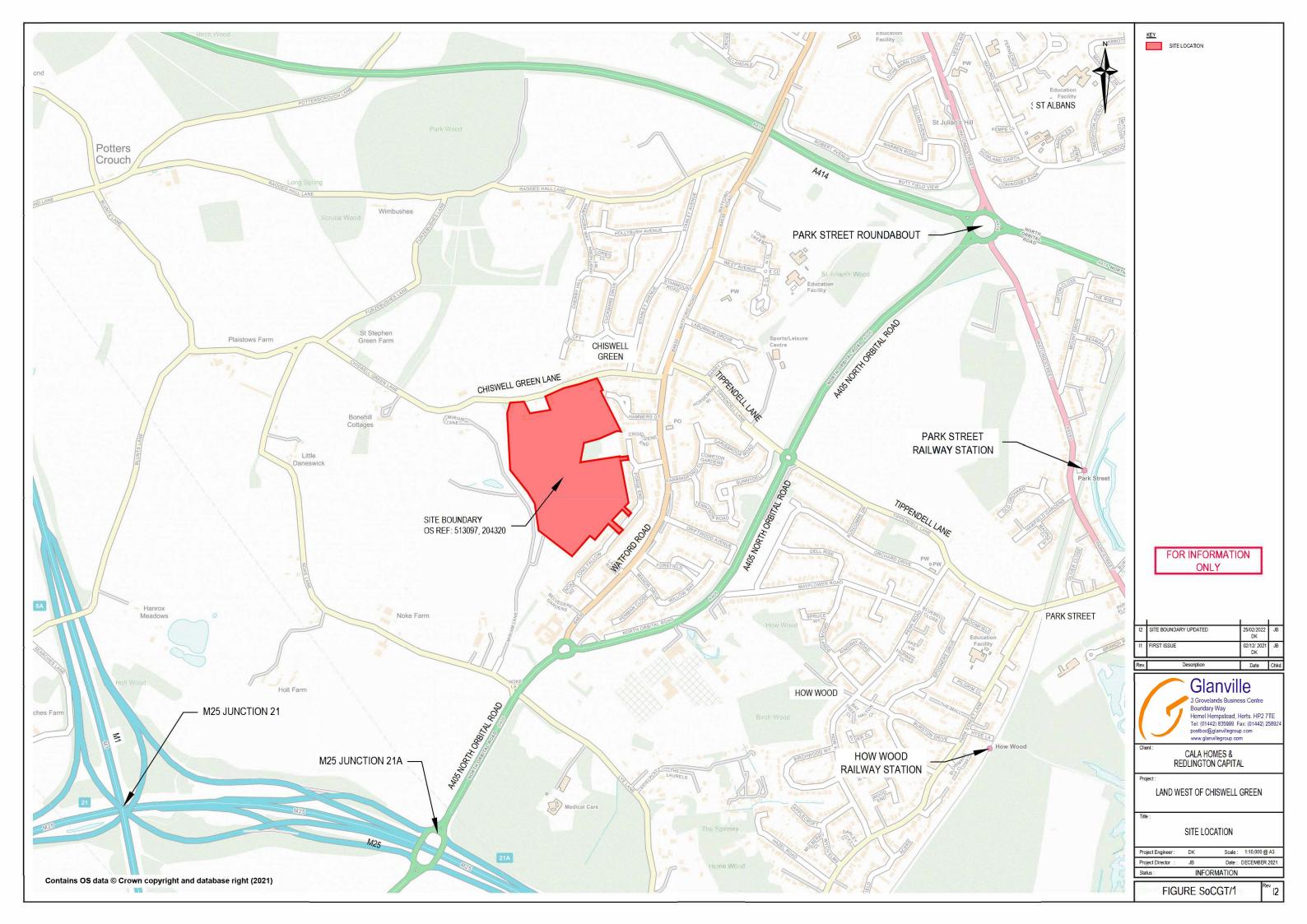
James Dale, Area Manager, Hertfordshire County Council

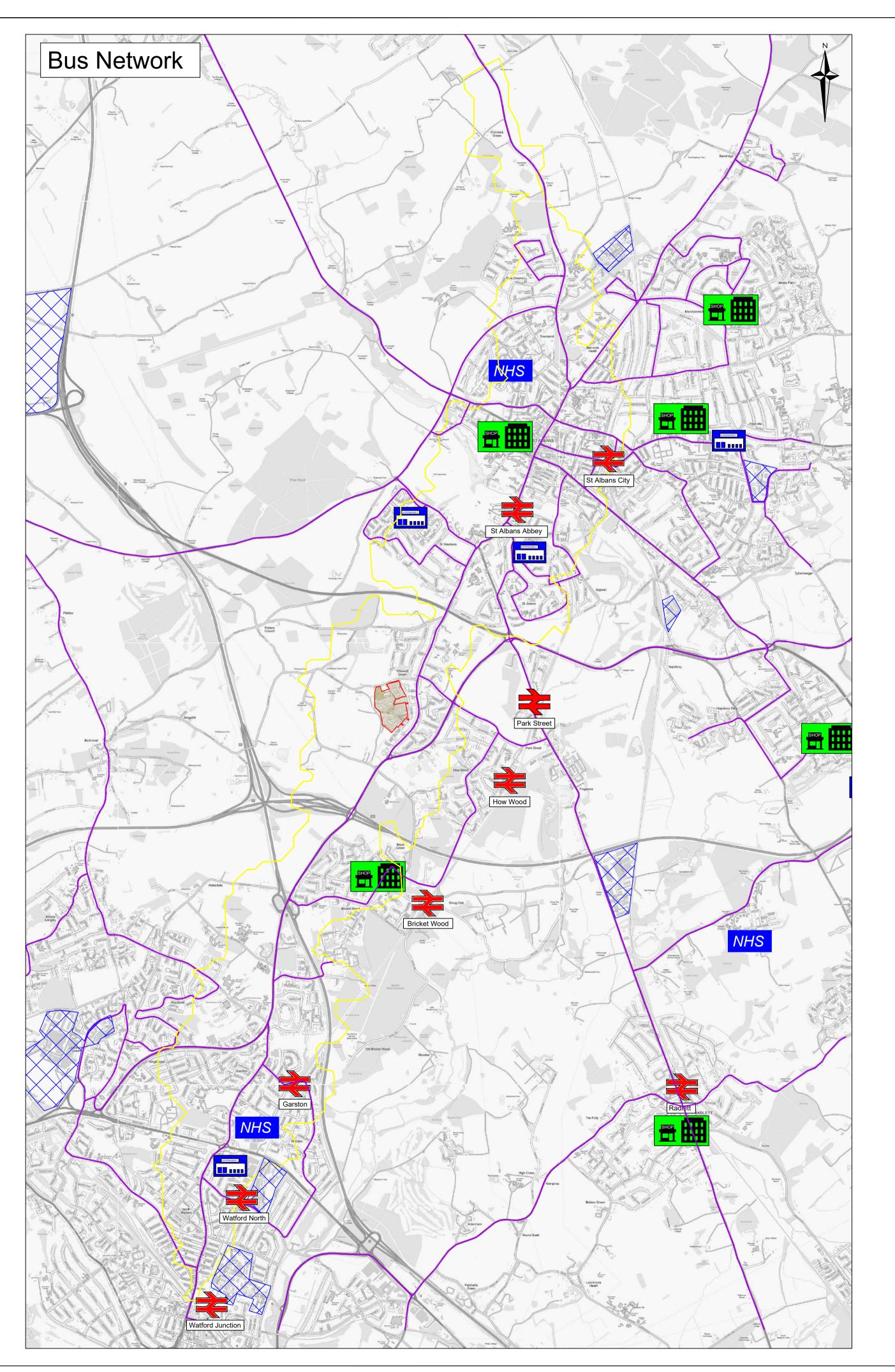
11 April 2023

Anthony Jones, Technical Director, Glanville Consultants (on behalf of the appellants)

Figures

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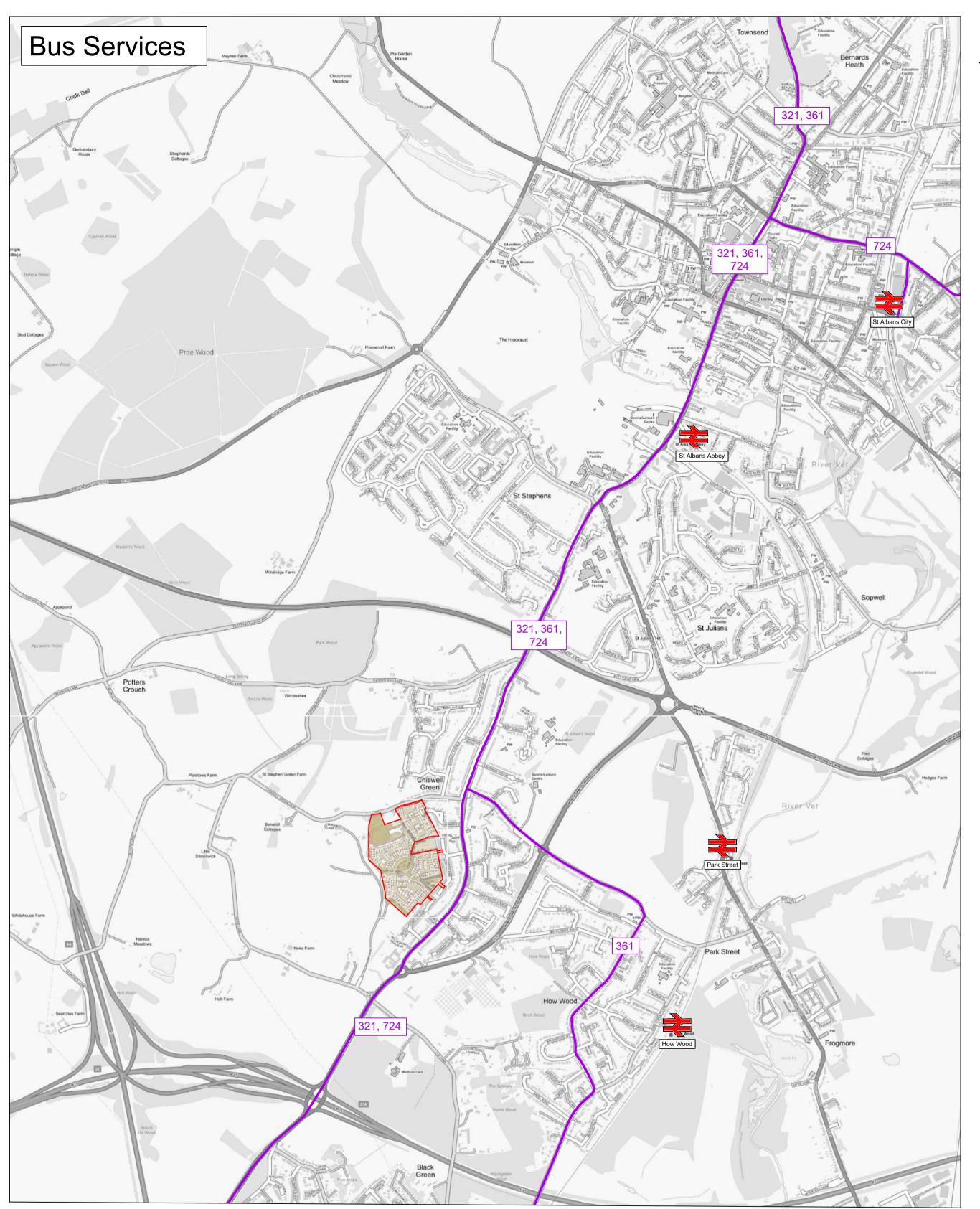


Table: Bus Services in Chiswell Green - BusStop (Three Hammers)

No 9	SERVICE	DESTINATION	FIRST/LAST	FREQU	ENCY
NO. 3	DERVICE	DESTINATION	SERVICE	AM PEAK	PM PEAK
004	Luton - St Albans -	Luton/St Albans	05:58/23:25	3 Buses	3 Buses
321	Watford - Rickmansworth	Watford/Rickmansworth	05:56/23:23	3 Buses	3 Buses
005		St Albans	07:51/16:58	1 Bus	1 Bus
365	Garston - St Albans	Garston	08:51/17:32	1 Bus	1 Bus
704*	Harlow - St Albans -	Watford/Heathrow Airport	05:12/22:01**	1 Bus	1 Bus
124	Harlow - St Albans - Watford - Heathrow Airport	St Albans/Harlow	06:27/23:49***	1 Bus	1 Bus

- * 724 Express Bus Service stops only on dedicated bus stops
 ** There are two night services departing at 02:38 and 04:43
 *** There are one night service departing at 01:49

Average Bus Journey Time Isochrones (NTS 2021) takes into count the time allowed walking from the site to the bus stop and from last stop plus a 10min walk. The length of time between different bus services is limited to 10min.

Table: Average Bus Journey Time

•	•
DESTINATION	JOURNEY TIME (min)
How Wood Train Station	27
St Albans Train Station	29
Watford Junction Train Station	40
St Albans City Centre	20
Watford City Centre	43
St Albans Hospital	44
Watford General Hospital	59
Brick Knoll Business Park	48
Porters Wood Business Park	45
Hemel Hempstead Maylands	71
North Watford Business Park	34

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT DRAWINGS, DOCUMENTS AND SPECIFICATIONS. ANY DISCREPANCIES BETWEEN INFORMATION SHOWN ON THIS AND ANY OTHER DRAWING SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.

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. THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNLESS SPECIFICALLY STATED AS 'FOR CONSTRUCTION' IN THE DRAWING STATUS.

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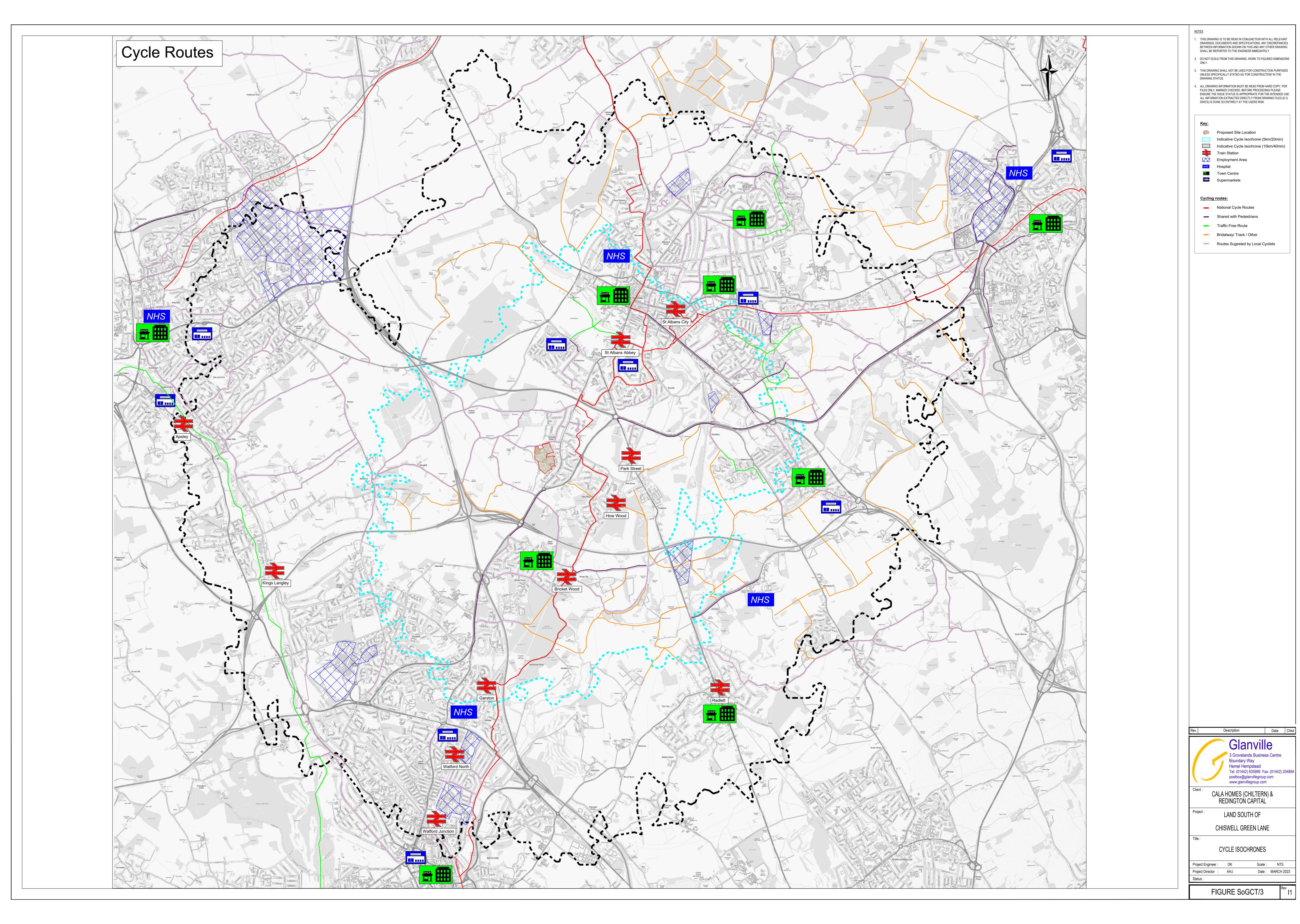
Proposed Site Location Average Bus Journey Time

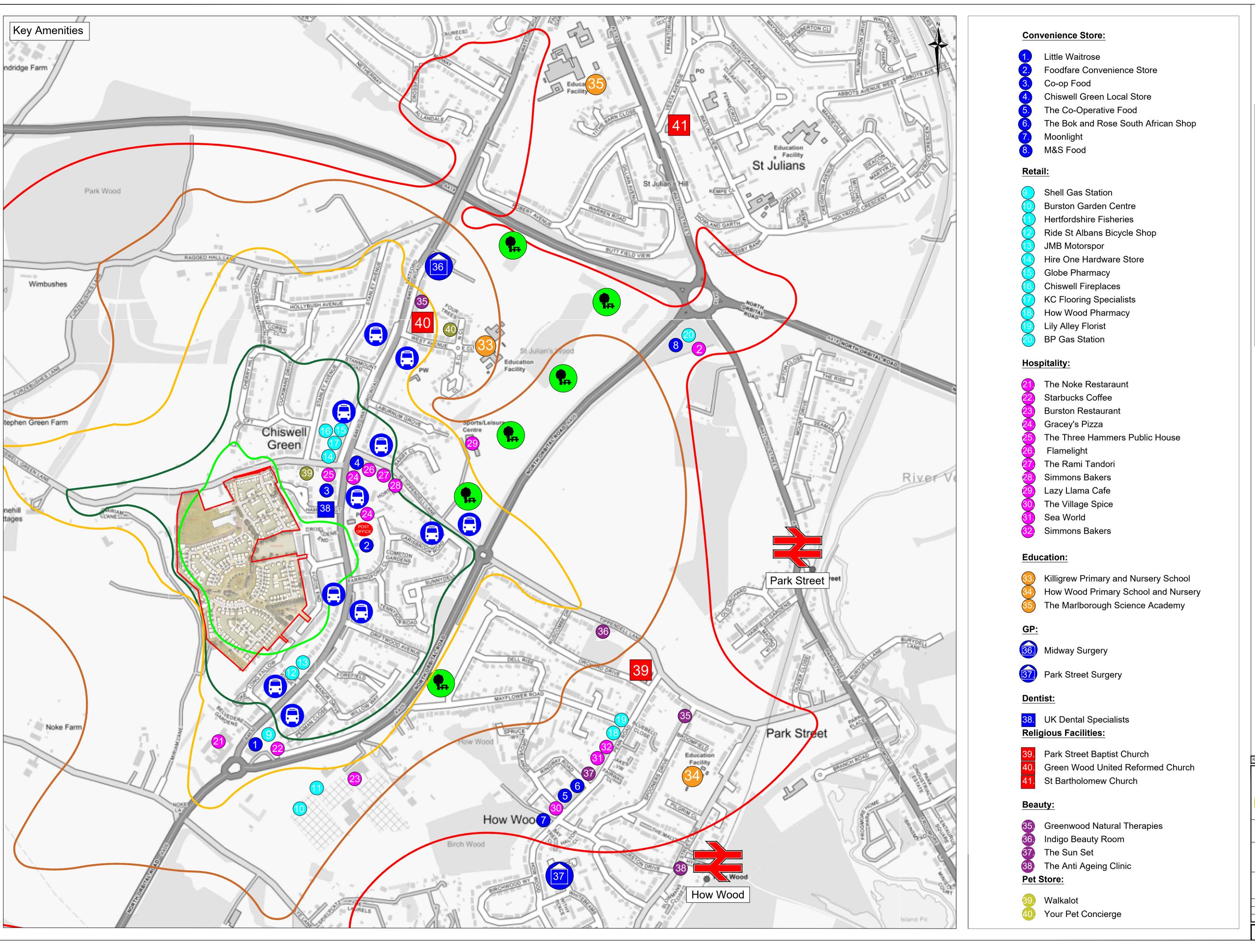
Isochorne (39min) Employment Area Hospital

Supermarkets

Glanville 3 Grovelands Business Centre Boundary Way Hemel Hempstead Tel: (01442) 835999 Fax: (01442) 254894 postbox@glanvillegroup.com www.glanvillegroup.com CALA HOMES (CHILTERN) & REDINGTON CAPITAL LAND SOUTH OF CHISWELL GREEN LANE **BUS NETWORK**

FIGURE SoCGT/2





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Glanville

CALA HOMES (CHILTERN) & REDINGTON CAPITAL

LAND SOUTH OF

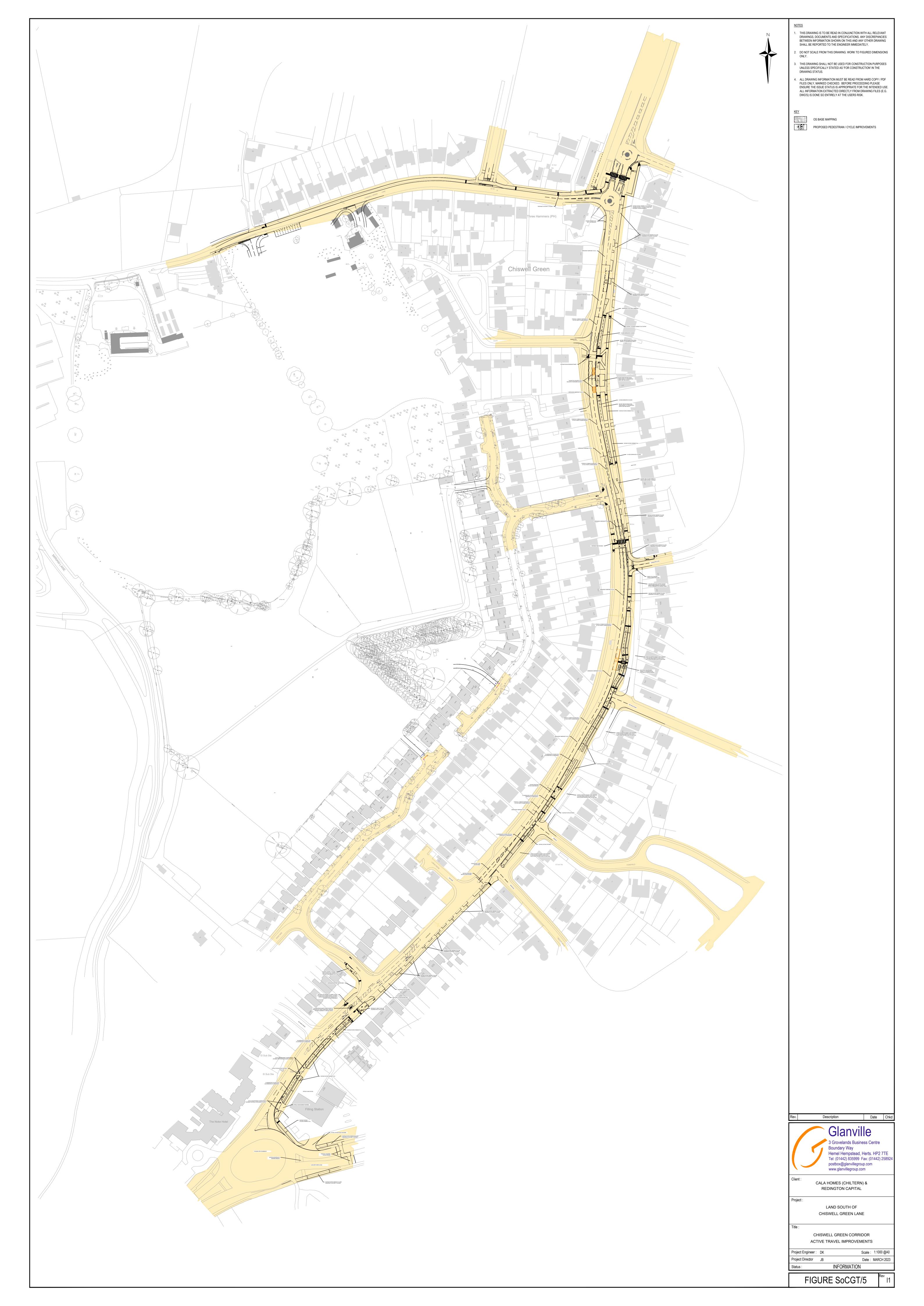
CHISWELL GREEN LANE

LOCAL AMENITIES

FIGURE SoCGT/4

3 Grovelands Business Centre

Boundary Way
Hemel Hempstead
Tel: (01442) 835999 Fax: (01442) 254894
postbox@glanvillegroup.com
www.glanvillegroup.com



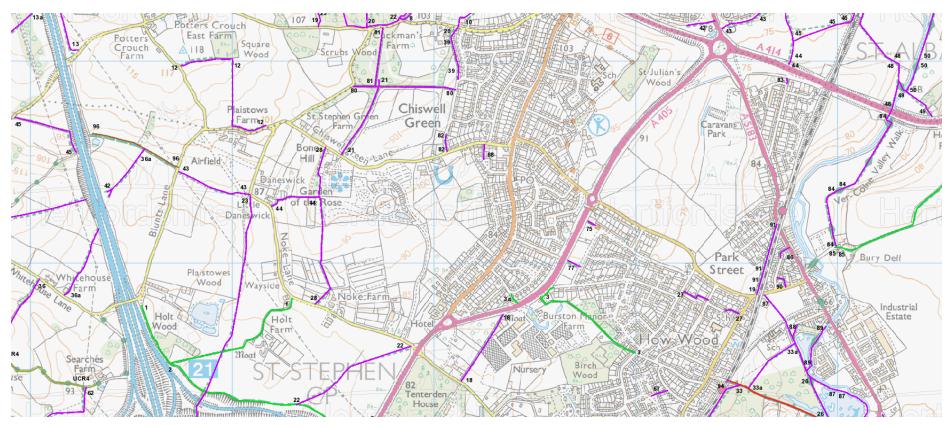
Appendices

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Appendix SoCGT/1
Local Public Rights of Way

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Extract from Hertfordshire County Council's Online Public Right of Way Map (taken from https://webmaps.hertfordshire.gov.uk/row/row.htm)



Rights of Way

Byway Open to All Traffic

Restricted Byway

Bridleway

Footpath

Temporary Footpath

- Temporarily Closed Footpath

Unmetalled UCR

Rights of Way PTRO

PTRO

Appendix SoCGT/2

Local Bus Timetables

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321 Luton to Watford

via Kinsbourne Green, Harpenden and St Albans - Valid from Tuesday, January 3, 2023 to Saturday, April 29, 2023

Monday to Friday - Berry Lane Estate Oakfield

	321 ¹	321 ²	321 ¹	321 ¹	321 ²	321 ¹	321 ¹	321 ²	321 ²	321 ¹	321 ²	321 ¹	321 ²	321 ¹												
Luton Station Interchange	-	-	-	-	0508	0508	0528	0528	0548	0548	0605	0609	0612	0622	0627	0641	0645	0648	0701	0705	0725	0726	0742	0751	0756	0810
Luton Town Centre Church Street	-	-	-	-	0512	0512	0532	0532	0552	0552	0609	0613	0616	0626	0631	0645	0649	0652	0708	0709	0729	0734	0747	0758	0801	0817
Stockwood Park Entrance	-	-	-	-	0517	0517	0537	0537	0557	0557	0614	0618	0621	0631	0636	0651	0654	0658	0715	0714	0734	0743	0752	0805	8080	0824
Kinsbourne Green The Common	-	-	-	-	0521	0521	0541	0541	0601	0601	0618	0622	0626	0635	0641	0656	0658	0704	0722	0718	0738	0751	0756	0810	0812	0829
Harpenden The George PH	-	-	-	-	0526	0526	0546	0546	0606	0606	0623	0627	0632	0641	0647	0704	0704	0714	0734	0724	0744	0803	0804	0824	0822	0843
New Greens St Albans Girls School	-	-	-	-	0535	0535	0555	0555	0615	0615	0632	0636	0643	0651	0659	0718	0715	0730	0754	0735	0755	0821	0815	0837	0831	0856
St Albans St Peter's Street	-	-	-	-	0545	0545	0603	0603	0623	0623	0640	0643	0653	0700	0710	0730	0726	0744	0810	0745	0805	0838	0826	0854	0842	0912
St Albans Abbey Railway Station	-	-	-	-	0549	0549	0607	0607	0627	0627	0644	0647	0657	0704	0714	0734	0730	0748	0815	0749	0809	0843	0830	0859	0847	0917
Chiswell Green Three Hammers PH	-	-	-	-	0556	0556	0614	0614	0634	0634	0651	0653	0706	0711	0725	0746	0738	0800	0826	0757	0817	0853	0838	0909	0856	0927
Garston Bus Garage	0511	0511	0541	0541	0604	0604	0622	0622	0642	0642	0701	0702	0720	0725	0742	0805	0752	0821	0844	0811	0829	0907	0850	0920	0907	0936
North Watford Library	0514	0514	0544	0544	0607	0607	0625	0625	0645	0645	0705	0706	0726	0729	0750	0813	0757	0830	0852	0817	0834	0914	0855	0925	0914	0940
Watford Junction Railway Station	0522	0522	0552	0552	0615	0615	0633	0633	0653	0653	0714	0715	0739	0741	0804	0827	0809	0847	0907	0829	0847	0927	0907	0936	0927	0950
Watford Market Street	0531	0531	0601	0601	0623	0623	0641	0641	0703	0703	0725	0725	0750	0752	0815	0838	0819	0858	0918	0840	0858	0938	0918	0942	0938	0958
Watford General Hospital	0536	0536	0606	0606	0628	0628	0646	0646	0708	0708	0730	0730	0755	0757	0820	0843	0824	0903	0923	0845	0903	0943	0923	-	0943	1003
Croxley Green Owens Way	0545	0545	0615	0615	0637	0637	0656	0656	0719	0719	0742	0742	0807	0809	0832	0855	0834	0915	0935	0855	0915	0955	0935	-	0955	1015
Rickmansworth Railway Station	0555	0555	0625	0625	0648	0648	0708	0708	0732	0732	0756	0756	0821	0821	0846	0906	0846	0926	0946	0906	0926	1006	0946	-	1006	1031
Maple Cross Downings Wood Terminus	; -	-	_	-	-	-	-	-	0745	0745		-	0835	0835	-	-	-	-	0958	_	_	-	0958	-	-	-
Berry Lane Estate Oakfield	0605	0605	0635	0635	0700	0657	0718	0718	_		0808	0808	_	_	0858	0918	0858	0938	_	0918	0938	1018	_	_	1018	1043
	321 ²	321	321		321	321	321		321	321	321	321	321											321 ²		
Luton Station Interchange	0815	0835	0900		20	40	00		1240	1300	1320	1340	1400	1420	1435	1443	1455	1503	1515	1523	1535	1543	1555	1603	1615	1623
Luton Town Centre Church Street	0821	0841	0905		25	45	05		1245	1305	1325	1345	1405	1425	1440	1448	1500	1508	1521	1528	1542	1548	1602	1608	1622	1628
Stockwood Park Entrance	0828	0848	0912		32	52	12		1252	1312	1332	1352	1412	1432	1447	1455	1507	1515	1528	1535	1549	1555	1609	1615	1629	1635
Kinsbourne Green The Common	0832	0852	0916		36	56	16		1256	1316	1336	1356	1416	1436	1451	1459	1511	1519	1533	1539	1554	1559	1614	1619	1634	1639
Harpenden The George PH	0844	0904	0926		46	06	26		1306	1326	1346	1406	1426	1446	1501	1509	1521	1529	1543	1549	1603	1609	1623	1629	1643	1649
New Greens St Albans Girls School	0854	0914	0935		55	15	35		1315	1335	1355	1415	1435	1455	1512	1518	1533	1538	1556	1558	1616	1618	1636	1638	1656	1658
St Albans St Peter's Street	0909	0929	0949		09	29	49		1329	1349	1409	1429	1449	1509	1529	1532	1549	1551	1609	1611	1629	1631	1649	1651	1709	1711
St Albans Abbey Railway Station	0914	0934	0954	Then	14	34	54	past	1334	1354	1414	1434	1454	1514	1534	1537	1554	1556	1614	1616	1634	1636	1654	1656	1714	1716
Chiswell Green Three Hammers PH	0924	0944	1004	at	24	44	04	each	1344	1404	1424	1444	1504	1524	1547	1547	1604	1606	1624	1626	1645	1646	1705	1706	1725	1726
Garston Bus Garage	0933	0953	1013		33	53	13	hour	1353	1413	1433	1453	1513	1533	1557	1557	1616	1616	1636	1636	1657	1656	1717	1716	1737	1736
North Watford Library	0937	0957	1017	mins	37	57	17	until	1357	1417	1437	1457	1518	1538	1602	1602	1621	1621	1641	1641	1702	1701	1722	1721	1742	1741
Watford Junction Railway Station	0947	1007	1027		47	07	27		1407	1427	1447	1507	1528	1548	1612	1612	1631	1631	1651	1651	1713	1711	1733	1731	1753	1751
Watford Market Street	0958	1018	1038		58	18	38		1418	1438	1458	1518	1539	1559	1623	1623	1643	1643	1700	1700	1723	1723	1743	1743	1803	1803
Watford General Hospital	1003	1023	1043		03	23	43		1423	1443	1503	1523	1544	1604	1628	1628	1648	1648	1708	1708	1728	1728	1748	1748	1808	1808
Croxley Green Owens Way	1015	1035	1055		15	35	55		1435	1455	1515	1535	1556	1616	1640	1640	1700	1700	1720	1720	1740	1740	1759	1759	1819	1819
Rickmansworth Railway Station	1031	1046	1106		31	46	06		1446	1506	1526	1546	1607	1627	1652	1652	1712	1712	1732	1732	1752	1752	1810	1810	1830	1830
Maple Cross Downings Wood Terminus	; -	1058	-		-	58	-		1458	-	-	1558	-	-	1704	1704	-	-	1747	1747	-		1825	1825	-	-
Berry Lane Estate Oakfield	1043	-	1118		43	-	18		-	1518	1538	-	1619	1639	-	-	1727	1727			1807	1807		-	1841	1841
	321 ¹	321 ²	321 ¹	321 ²	321 ¹	321 ¹	321 ²	321 ²	321 ¹	321 ²	321	321	321	321	321	321	321									
Luton Station Interchange	1635	1643	1655	1700	1715	1740	1725	1745	1805	1805	1835	1905	1935	2005	2035	2135	2235									
Luton Town Centre Church Street	1642	1648	1702	1707	1722	1747	1732	1752	1812	1812	1840	1910	1940	2010	2040	2140	2240									
Stockwood Park Entrance	1649	1655	1709	1715	1729	1753	1739	1758	1818	1818	1845	1915	1945	2015	2045	2145	2245									

	321 ¹	321 ²	321 ¹	321 ²	321 ¹	321 1	321 ²	321 ²	321 1	321 ²	321	321	321	321	321	321	321
Luton Station Interchange	1635	1643	1655	1700	1715	1740	1725	1745	1805	1805	1835	1905	1935	2005	2035	2135	2235
Luton Town Centre Church Street	1642	1648	1702	1707	1722	1747	1732	1752	1812	1812	1840	1910	1940	2010	2040	2140	2240
Stockwood Park Entrance	1649	1655	1709	1715	1729	1753	1739	1758	1818	1818	1845	1915	1945	2015	2045	2145	2245
Kinsbourne Green The Common	1654	1659	1714	1719	1734	1758	1744	1803	1823	1823	1850	1919	1949	2019	2049	2149	2249
Harpenden The George PH	1703	1709	1723	1729	1743	1806	1753	1811	1830	1830	1856	1926	1956	2026	2056	2156	2256
New Greens St Albans Girls School	1716	1718	1736	1738	1756	1817	1805	1822	1841	1841	1906	1936	2006	2036	2106	2206	2306
St Albans St Peter's Street	1729	1731	1749	1750	1805	1825	1815	1830	1849	1849	1914	1944	2014	2044	2114	2214	2314
St Albans Abbey Railway Station	1734	1736	1754	1756	1809	1829	1819	1834	1852	1852	1916	1946	2016	2046	2116	2216	2316
Chiswell Green Three Hammers PH	1745	1746	1805	1806	1818	1837	1828	1843	1859	1859	1923	1953	2023	2053	2123	2223	2323
Garston Bus Garage	1757	1756	1816	1816	1829	1846	1838	1852	1906	1906	1930	2000	2030	2100	2130	2230	2330
North Watford Library	1802	1801	1821	1821	1834	1850	1843	1856	1910	1910	1934	2004	2034	2104	2134	2234	2334
Watford Junction Railway Station	1813	1811	1832	1831	1845	1900	1854	1906	1920	1920	1943	2013	2043	2113	2143	2243	2343
Watford Market Street	1823	1823	1840	1840	1900	1905	1905	1911	1930	1930	1950	2018	2050	2118	2150	2250	2348
Watford General Hospital	1828	1828	1845	1845	1905	-	1910	-	1935	1935	1955		2055	-	2155	2255	-
Croxley Green Owens Way	1839	1839	1855	1855	1915	-	1920	-	1944	1944	2004		2104	-	2204	2304	-
Rickmansworth Railway Station	1850	1850	1904	1905	1924	-	1929	-	1953	1953	2013		2113	-	2213	2313	-
Maple Cross Downings Wood Terminus	-	-	1914	1914	-	-	-	-	2003	2003			-	-	-	-	-
Berry Lane Estate Oakfield	1901	1901	_	_	1933	_	1938	_			2021		2121	_	2221	2321	

 $^{^{\}rm 1}$ Term Time Only $\,^{\rm 2}$ Only During School Holidays

Monday to Friday - Luton Station Interchange

Monday to Fiday - Euton Station	inte	CIL	iiige																							
	321 ¹	321 ²	321 ¹	321 ²	321 ¹	321 ²	321 ¹	321 ²	321 ¹	321 ²	321 ¹	321 ¹	321 ²	321 ¹	321 ²	321 ²	321 ¹	321 ²	321 ¹	321 ²	321 ¹	321 ²	321 ¹	321 ²	321	321
Berry Lane Estate Oakfield	-	-	-	-	-	-	-	-	0606	0613	0615		-	0642	0645	0702	-	-	0733	0743	-	-	0813	0820	-	0908
Maple Cross Downings Wood Terminus	; –	-	-	-	-	-	0554	0558	-			0624	0634	-		-	0710	0717	-	-	0755	0800	-	-	0845	-
Rickmansworth Railway Station	-	-	-	-	-	-	0604	0608	0616	0623	0625	0635	0646	0655	0706	0714	0724	0729	0748	0755	0810	0815	0828	0833	0857	0920
Croxley Green Owens Way	-	-	-	-	-	-	0616	0620	0628	0635	0637	0647	0658	0707	0718	0726	0736	0740	0800	0804	0824	0827	0847	0847	0908	0931
Watford General Hospital	-	-	-	-	-	-	0625	0629	0639	0644	0648	0700	0708	0721	0728	0738	0751	0753	0815	0817	0837	0840	0900	0900	0920	0943
Watford Market Street	0534	0534	0604	0604	0620	0620	0636	0640	0650	0654	0659	0711	0719	0733	0738	0750	0803	0806	0830	0830	0855	0855	0915	0915	0935	0955
Watford Junction Railway Station	0539	0539	0609	0609	0625	0625	0641	0645	0655	0659	0706	0718	0724	0740	0743	0757	0810	0813	0837	0837	0902	0902	0922	0922	0942	1002
North Watford Library	0546	0546	0616	0616	0633	0633	0649	0653	0705	0707	0717	0731	0732	0753	0755	0809	0820	0823	0847	0847	0912	0912	0932	0932	0952	1012
Garston Bus Garage	0551	0551	0621	0621	0638	0638	0654	0658	0711	0711	0723	0739	0736	0801	0759	0815	0826	0828	0853	0853	0916	0916	0936	0936	0956	1016
Chiswell Green Three Hammers PH	0558	0558	0628	0628	0647	0647	0703	0707	0720	0720	0735	0753	0745	0815	0808	0824	0837	0838	0902	0902	0925	0925	0945	0945	1005	1025
St Albans Abbey Railway Station	0605	0605	0635	0635	0655	0655	0711	0715	0730	0730	0749	0809	0755	0831	0818	0836	0850	0850	0913	0913	0935	0935	0955	0955	1015	1035
St Albans St Peter's Street	0613	0613	0643	0643	0705	0705	0721	0723	0741	0741	0804	0824	0806	0845	0829	0848	0905	0905	0925	0925	0945	0945	1005	1005	1025	1045
New Greens St Albans Girls School	0618	0618	0648	0648	0712	0712	0728	0729	0748	0748	0813	0835	0813	0854	0836	0854	0912	0912	0930	0930	0950	0950	1010	1010	1030	1050
Harpenden The George PH	0628	0628	0658	0658	0722	0722	0738	0738	0759	0759	0824	0846	0824	0904	0846	0904	0921	0921	0939	0939	0959	0959	1019	1019	1039	1059
Kinsbourne Green The Common	0635	0635	0705	0705	0729	0729	0745	0745	0807	0807	0832	0855	0832	0914	0855	0914	0931	0931	0949	0949	1009	1009	1029	1029	1049	1109
Stockwood Park Entrance	0639	0639	0709	0709	0733	0733	0749	0749	0812	0812	0837	0859	0837	0918	0859	0918	0935	0935	0953	0953	1013	1013	1033	1033	1053	1113
Luton Town Centre Church Street	0644	0644	0714	0714	0738	0738	0754	0754	0819	0819	0844	0906	0844	0925	0906	0925	0942	0942	1000	1000	1020	1020	1040	1040	1100	1120
Luton Station Interchange																								1044		
	321	321		321	321	321		321	321	321	321	321	321	321 ¹	321 ²	321 ¹	321 ²	321 ¹	321 ²	321 ¹	321 ²	321 ¹	321 ²	321 ¹	321 ²	321 ¹
Berry Lane Estate Oakfield	0928	0948		-	23	48		1123	1148	-	1223	1248	-	1323	1323	1348	1348		-	1423	1423	1448	1448	-	-	1523
Maple Cross Downings Wood Terminus	; -	-		05				-	-	1205	-	-	1305	-	-	-	-	1405	1405	-				1505	1505	; <u> </u>
Rickmansworth Railway Station	0940	1000		20	40	00		1140	1200	1220	1240	1300	1320	1340	1340	1400	1400	1420	1420	1440	1440	1500	1500	1518	1518	1538
Croxley Green Owens Way	0951	1011		31	51	11		1151	1211	1231	1251	1311	1331	1351	1351	1411	1411	1431	1431	1451	1451	1511	1511	1531	1530	1551
Watford General Hospital	1003	1023		43	03	23		1203	1223	1243	1303	1323	1343	1403	1403	1423	1423	1443	1443	1503	1503	1525	1523	1545	1542	1603
Watford Market Street	1015	1035		55	15	35		1215	1235	1255	1315	1335	1355	1415	1415	1435	1435	1455	1455	1515	1515	1537	1535	1557	1555	1617
Watford Junction Railway Station	1022	1042		02	22	42		1222	1242	1302	1322	1342	1402	1422	1422	1442	1442	1502	1502	1522	1522	1544	1542	1604	1602	1624
North Watford Library	1032	1052	Then	12	32	52	past	1232	1252	1312	1332	1352	1412	1432	1432	1452	1452	1512	1512	1532	1532	1556	1553	1616	1613	1636
Garston Bus Garage	1036	1056		16	36	56	each		1256	1316	1336	1356	1416	1436	1436	1457	1456	1519	1516	1539	1536	1603	1558	1623	1619	1643
Chiswell Green Three Hammers PH	1045	1105	these		45	05	hour	1245	1305	1323	1345	1405	1425	1445	1445	1506	1505	1529	1525	1549	1545	1613	1607	1634	1628	1653
St Albans Abbey Railway Station	1055	1115	mins	35	55	15	until	1255	1315	1335	1355	1415	1435	1455	1455	1517	1515	1540	1535	1600	1556	1624	1617	1645	1638	1704
St Albans St Peter's Street	1105	1125		45	05	25		1305	1325	1345	1405	1425	1445	1507	1505	1528	1525	1550	1545	1610	1605	1635	1630	1655	1650	1715
New Greens St Albans Girls School	1110	1130		50	10	30		1310	1330	1350	1410	1430	1450	1512	1510	1533	1530	1555	1550	1615	1610	1640	1635	1700	1655	1720
Harpenden The George PH	1119	1139		59	19	39		1319	1339	1359	1419	1439	1459	1524	1519	1548	1539	1610	1559	1630	1620	1655	1645	1713	1705	1731
Kinsbourne Green The Common	1129	1149		09	29	49		1329	1349	1409	1429	1449	1509	1534	1529	1600	1549	1622	1609	1642	1631	1707	1657	1723	1715	1741
Stockwood Park Entrance	1133	1153		13	33	53		1333	1353	1413	1433	1453	1513	1538	1533	1605	1553	1627	1613	1647	1636	1712	1702	1728	1720	1746
Luton Town Centre Church Street	1140	1200		20	40	00		1340	1400	1420	1440	1500	1520	1545	1540	1612	1600	1634	1620	1654	1643	1719	1709	1735	1727	1753
Luton Station Interchange	1144	1204		24	44	04		1344	1404	1424	1444	1504	1524	1550	1544	1617	1604	1639	1624	1659	1648	1724	1714	1740	1732	1758
				321 ¹	321 ²				321	321	321		321 ¹	321 ²	321 ¹		321 ¹	321 ²		321 ²		321	321			
Berry Lane Estate Oakfield		1548	1548		-	1628	1628		-	1740		1820		-	1850		-	-	1955	1955	2026	2126	2226	2326		
Maple Cross Downings Wood Terminus		-	-	1605		-	-		1715		1800		1835				1925		-	-	-	-	-	-		
Rickmansworth Railway Station				1623																						
Croxley Green Owens Way				1634																						
Watford General Hospital				1646																						
Watford Market Street				1700																						
Watford Junction Railway Station				1707											1940											
North Watford Library				1722										-	1949											
Garston Bus Garage				1730										-									2318			
Chiswell Green Three Hammers PH				1740										-						2053						
St Albans Abbey Railway Station				1751										-									2330			
St Albans St Peter's Street	1710	1735	1735	1802	1800	1819	1819	1840	1855	1915	1926	1945	-	-									2335			
New Greens St Albans Girls School	1715	1740	1740	1807	1805	1824	1824	1845	1859	1919	-	1949	-	-	2019	2019	2039	2039	2109	2109	2139	2239	2339	-		
=	4=0=	44	44	4040		4000	4000	40=0	4000	4000		40-0									~					

Harpenden The George PH 1725 1751 1751 1816 1814 1833 1833 1853 1908 1928 -- 1958 -- - 2028 2028 2047 2047 2117 2147 2247 2347 --

Stockwood Park Entrance 1740 1806 1806 1831 1829 1845 1845 1905 1920 1940 - 2010 - 2040 2040 2058 2058 2128 2128 2127 2257 2357 - Luton Town Centre Church Street 1747 1813 1813 1838 1836 1851 1851 1911 1925 1945 - 2015 - 2045 2045 2045 2045 2103 2103 2133 2203 2030 0003 - Luton Station Interchange 1752 1818 1818 1842 1840 1855 1855 1915 1929 1949 - 2019 - 2019 2049 2049 2107 2107 2137 2137 2207 2007 0007 -

1735 1801 1801 1826 1824 1840 1840 1900 1915 1935 -- 2005 -- -- 2035 2035 2053 2053 2123 2123 2153 2253 2353 --

Kinsbourne Green The Common

 $^{^{\}rm 1}$ Term Time Only $\,^{\rm 2}$ Only During School Holidays

Saturday - Berry Lane Estate Oakfield

	321	321	321	321	321	321	321	321	321	321	321	321		321	321	321		321	321	321	321	321	321	321	321	321
Luton Station Interchange	-	-	-	-	-	-	-	-	-			-		-	-	-		-	-	-	-	-	-	-	-	-
Challney Thornhill Road	-	-	-	-	-	-	-	-	-					-	-	-		-	-	-	-	-	-	-	-	-
Luton Station Interchange	-	-	0625	-	0705	-	0735	-	0805		0845	0900		20	40	00		1440	1500	1520	1540	1600	1620	1640	1700	1720
Luton Town Centre Church Street	-	-	0629		0709	-	0739		0809		0850	0905		25	45	05		1445	1505	1525	1545	1605	1625	1645	1705	1725
Stockwood Park Entrance	-	-	0634	-	0714	-	0744		0815		0857	0912		32	52	12		1452	1512	1532	1552	1612	1632	1652	1712	1732
Kinsbourne Green The Common	-	-	0638	-	0718	-	0748	-	0819	0840	0901	0916		36	56	16		1456	1516	1536	1556	1616	1636	1656	1716	1736
Harpenden The George PH	-	-	0643	-	0723	-	0753	-	0825	0848	0910	0926		46	06	26		1506	1526	1546	1606	1626	1646	1706	1724	1744
New Greens St Albans Girls School	-	-	0651		0731	-	0801		0833	0856	0918	0935		55	15	35		1515	1535	1555	1615	1635	1655	1715	1733	1753
St Albans St Peter's Street	-	-	0657	-	0737	0752	0812	0832	0845	0908	0928	0949	Then	09	29	49	past	1529	1549	1609	1629	1649	1709	1729	1745	1805
St Albans Abbey Railway Station	-	-	0700		0740	0755	0815	0835	0849	0913	0933		at	14	34	54		1534	1554	1614	1634	1654	1714	1734	1750	1810
Chiswell Green Three Hammers PH	-	-	0708	-	0748	0803	0823	0843	0857	0923	0943	1004		24	44	04	hour	1544	1604	1624	1644	1704	1724	1744	1759	1829
Garston Bus Garage	0625	0655	0715	0735	0755	0810	0830	0850	0905	0932	0952	1013	mins	33	53	13	until	1553	1613	1633	1653	1713	1733	1753	1808	1833
North Watford Library	0628	0658	0718	0738	0758	0813	0833	0853	0909	0936	0956	1017		37	57	17		1557	1617	1637	1657	1717	1737	1757	1813	1837
Watford Junction Railway Station	0635	0705	0725	0745	0805	0820	0840	0900	0917	0945	1005	1027		47	07	27		1607	1627	1647	1707	1727	1747	1807	1823	1847
Watford Market Street	0645	0715	0735	0755	0815	0835	0855	0913	0930	0958	1018	1038		58	18	38		1618	1638	1658	1718	1738	1800	1813	1830	1852
Watford General Hospital	0650	0720	0740	0800	0820	0840	0900	0918	0935	1003	1023	1043		03	23	43		1623	1643	1703	1723	1743	1805	-	1835	-
Croxley Green Owens Way	0700	0730	0750	0810	0831	0851	0911	0930	0947	1015	1035	1055		15	35	55		1635	1655	1715	1735	1755	1817	-	1844	-
Rickmansworth Railway Station	0710	0740	0800	0820	0841	0901	0921	0941	1006	1031	1046	1106		31	46	06		1646	1706	1731	1751	1806	1833	-	1853	-
Maple Cross Downings Wood Terminus	0720	-	-	-	0852	-	-	0953	-	-	1058	-		-	58	-		1658	-	-	1758	-	-	-	-	-
Berry Lane Estate Oakfield	-	0750	0810	0830	-	0912	0933	-	1018	1043	-	1118		43	-	18		-	1718	1743	-	1818	1845	-	1903	-

	321	321	321	321	321	321	321	321	321	321
Luton Station Interchange	-	-	-	-	-	-	-	-	-	2315
Challney Thornhill Road	-	-	-	-	-	-	-	-	-	2325
Luton Station Interchange	1740	1805	1835	1905	1935	2005	2035	2135	2235	
Luton Town Centre Church Street	1745	1810	1840	1910	1940	2010	2040	2140	2240	-
Stockwood Park Entrance	1752	1816	1845	1915	1945	2015	2045	2145	2245	-
Kinsbourne Green The Common	1756	1820	1849	1919	1949	2019	2049	2149	2249	-
Harpenden The George PH	1804	1828	1856	1926	1956	2026	2056	2156	2256	
New Greens St Albans Girls School	1813	1837	1905	1935	2005	2035	2105	2205	2305	-
St Albans St Peter's Street	1825	1848	1914	1944	2014	2044	2114	2214	2314	-
St Albans Abbey Railway Station	1830	1852	1916	1946	2016	2046	2116	2216	2316	-
Chiswell Green Three Hammers PH	1839	1859	1923	1953	2023	2053	2123	2223	2323	-
Garston Bus Garage	1843	1906	1930	2000	2030	2100	2130	2230	2330	
North Watford Library	1847	1910	1934	2004	2034	2104	2134	2234	2334	
Watford Junction Railway Station	1857	1920	1943	2013	2043	2113	2143	2243	2343	-
Watford Market Street	1905	1925	1950	2018	2050	2118	2150	2250	2348	
Watford General Hospital	1910	-	1955	-	2055	-	2155	2255	-	-
Croxley Green Owens Way	1919		2004		2104		2204	2304	-	
Rickmansworth Railway Station	1928	-	2013	-	2113	-	2213	2313	-	-
Maple Cross Downings Wood Terminus	-				-	-	-	-	-	-
Berry Lane Estate Oakfield	1938	-	2021	-	2121	-	2221	2321	-	

Saturday - Luton Station Interchange

	321	321	321	321	321	321	321	321		321	321	321		321	321	321	321	321	321	321	321	321	321	321	321
Maple Cross Downings Wood Terminus	-	-	-	0725	-	0805		-		-	05	-		1505	-	-	1605			1705		-	1805		
Berry Lane Estate Oakfield	-	-	0700	-	0755	-	-	0823		48	-	23		-	1523	1548	-	1623	1648		1723	1748		1825	1855
Rickmansworth Railway Station	-	-	0710	0740	0805	0820	-	0840		00	20	40		1520	1540	1600	1620	1640	1700	1720	1740	1800	1820	1840	1915
Croxley Green Owens Way	-	-	0720	0750	0815	0830		0851		11	31	51		1531	1551	1611	1631	1651	1711	1731	1751	1811	1830	1850	1923
Watford General Hospital	-	-	0730	0800	0825	0840	-	0903		23	43	03		1543	1603	1623	1643	1703	1723	1743	1803	1823	1840	1900	1931
Watford Market Street	-	0714	0740	0810	0830	0850	0900	0915		35	55	15		1555	1615	1635	1655	1715	1735	1755	1815	1835	1845	1905	1940
Watford Junction Railway Station	-	0719	0745	0815	0835	0855	0907	0922		42	02	22					1702							1910	1945
North Watford Library	-	0725	0752	0822	0842	0902	0917	0932	Then	52	12	32	nast	1612	1632	1652	1712	1732	1752	1812	1832	1852		1918	1953
Garston Bus Garage	-							0936	at	56	16			1616										1922	1958
Chiswell Green Three Hammers PH	-	0735	0805	0835	0855	0915	0930	0945	these	05	25	45	hour	1625	1645	1705	1725	1745	1805	1825	1844	1902		1930	2003
St Albans Abbey Railway Station	-	0743	0813	0845	0905	0925	0940	0955	mins	15	35	55	until	1635	1655	1715	1735	1755	1815	1835	1855	1910		1938	2010
St Albans St Peter's Street	0720	0750	0820	0855	0915	0935	0950	1005		25	45	05		1645	1705	1725	1745	1805	1825	1845	1905	1915		1945	2014
New Greens St Albans Girls School	0724	0754	0824	0900	0920	0940	0955	1010		30	50	10		1650	1710	1730	1750	1810	1830	1849	1909	-		1949	-
Harpenden The George PH	0732	0802	0832	0909	0929	0949	1004	1019		39	59	19		1659	1719	1739	1759	1819	1839	1858	1917	-		1957	-
Kinsbourne Green The Common	0741	0811	0841	0919	0939	0959	1014	1029		49	09	29		1709	1729	1749	1809	1829	1847	1905	1923	-		2003	-
Stockwood Park Entrance	0745	0815	0845	0923	0943	1003	1018	1033		53	13	33		1713	1733	1753	1813	1833	1851	1909	1927	-		2007	-
Luton Town Centre Church Street	0750	0820	0850	0928	0948	1010	1025	1040		00	20	40		1720	1740	1800	1820	1840	1858	1915	1933			2013	-
Luton Station Interchange	0754	0824	0854	0932	0952	1014	1029	1044		04	24	44		1724	1744	1804	1824	1844	1902	1919	1937	-		2017	-

	321		321		321	321
Maple Cross Downings Wood Terminus	-		-			
Berry Lane Estate Oakfield	1926		26		2226	2326
Rickmansworth Railway Station	1935		35		2235	2335
Croxley Green Owens Way	1943		43		2243	2343
Watford General Hospital	1951		51		2251	2351
Watford Market Street	2000		00		2300	2356
Watford Junction Railway Station	2005		05		2305	
North Watford Library	2013	Then	13	past	2313	-
Garston Bus Garage	2018	at	18	each	2318	
Chiswell Green Three Hammers PH	2023	these	23	hour	2323	-
St Albans Abbey Railway Station	2030	mins	30	until	2330	-
St Albans St Peter's Street	2035		35		2335	-
New Greens St Albans Girls School	2039		39		2339	-
Harpenden The George PH	2047		47		2347	
Kinsbourne Green The Common	2053		53		2353	-
Stockwood Park Entrance	2057		57		2357	
Luton Town Centre Church Street	2103		03		0003	-
Luton Station Interchange	2107		07		0007	-

Sunday - Berry Lane Estate Oakfield

	321	321	321	321	321	321	321	321	321	321	321	321	321	321	321	321	321
Luton Station Interchange	-	0745	0840	0935	1030	1130	1230	1330	1430	1530	1635	1735	1835	1935	2035	2135	2235
Luton Town Centre Church Street	-	0750	0845	0939	1035	1135	1235	1335	1435	1535	1640	1740	1840	1935	2035	2135	2235
Stockwood Park Entrance	-	0755	0850	0944	1040	1140	1240	1340	1440	1540	1645	1745	1845	1945	2045	2145	2245
Kinsbourne Green The Common	-	0759	0854	0948	1044	1144	1244	1344	1444	1544	1649	1749	1849	1949	2049	2149	2249
Harpenden The George PH	-	0805	0900	0954	1052	1152	1252	1352	1452	1552	1657	1756	1856	1956	2056	2156	2256
New Greens St Albans Girls School	-	0813	0908	1002	1101	1201	1301	1401	1501	1601	1706	1805	1905	2005	2105	2205	2305
St Albans St Peter's Street	-	0820	0915	1010	1110	1210	1310	1410	1510	1610	1715	1814	1914	2014	2114	2214	2314
St Albans Abbey Railway Station	-	0825	0920	1015	1115	1215	1315	1415	1515	1615	1718	1816	1916	2016	2116	2216	2316
Chiswell Green Three Hammers PH	-	0830	0925	1021	1121	1221	1321	1421	1521	1621	1724	1823	1923	2023	2123	2223	2323
Garston Bus Garage	0737	0837	0932	1029	1129	1229	1329	1429	1529	1629	1732	1830	1930	2030	2130	2230	2330
North Watford Library	0741	0841	0936	1034	1134	1234	1334	1434	1534	1634	1736	1834	1934	2034	2134	2234	2334
Watford Junction Railway Station	0750	0850	0945	1045	1145	1245	1345	1445	1545	1645	1745	1843	1943	2043	2143	2243	2343
Watford Market Street	0757	0857	0952	1052	1152	1252	1352	1452	1552	1652	1755	1850	1950	2050	2150	2250	2348
Watford General Hospital	0802	0902	0957	1057	1157	1257	1357	1457	1557	1657	1800	1855	1955	2055	2155	2255	-
Croxley Green Owens Way	0810	0910	1006	1106	1206	1306	1406	1506	1606	1706	1808	1904	2004	2104	2204	2304	-
Rickmansworth Railway Station	0818	0918	1018	1118	1218	1318	1418	1518	1618	1718	1818	1913	2013	2113	2213	2313	
Berry Lane Estate Oakfield	0827	0927	1027	1127	1227	1327	1427	1527	1627	1727	1827	1921	2021	2121	2221	2321	-

Sunday - Luton Station Interchange

	321	321	321	321	321		321		321	321	321	321	321	321		321		321	321
Berry Lane Estate Oakfield	-	-	0850	0940	1038		38		1438	1538	1638	1738	1835	1926		26		2226	2326
Rickmansworth Railway Station	-	-	0859	0949	1048		48		1448	1548	1648	1748	1845	1935		35		2235	2335
Croxley Green Owens Way	-	-	0908	1000	1100		00		1500	1600	1700	1800	1855	1943		43		2243	2343
Watford General Hospital	-	-	0916	1009	1109		09		1509	1609	1709	1809	1903	1951		51		2251	2351
Watford Market Street	0745	0835	0925	1020	1120		20		1520	1620	1720	1820	1910	2000		00		2300	2356
Watford Junction Railway Station	0750	0840	0930	1025	1125		25		1525	1625	1725	1825	1915	2005		05		2305	-
North Watford Library	0758	0848	0938	1035	1135		35		1535	1635	1735	1835	1924	2013		13		2313	-
Garston Bus Garage	0802	0852	0942	1040	1140		40	past		1640	1740	1840	1929	2018	Then	18	past	2318	-
Chiswell Green Three Hammers PH	0809	0859	0949	1048	1148	at these	48	each hour	1548	1648	1748	1847	1935	2023	at these	23	each hour	2323	-
St Albans Abbey Railway Station	0816	0906	0956	1055		mins	55	until	1555	1655	1755	1854	1942	2030		30	until	2330	-
St Albans St Peter's Street	0822	0912	1002	1102	1202		02		1602	1702	1802	1900	1945	2035		35		2335	-
New Greens St Albans Girls School	0826	0916	1006	1106	1206		06		1606	1706	1806	1904	1949	2039		39		2339	-
Harpenden The George PH	0835	0925	1015	1116	1216		16		1616	1716	1815	1912	1957	2047		47		2347	-
Kinsbourne Green The Common	0843	0933	1023	1124	1224		24		1624	1724	1822	1919	2003	2053		53		2353	-
Stockwood Park Entrance	0847	0937	1027	1128	1228		28		1628	1728	1826	1923	2007	2057		57		2357	-
Luton Town Centre Church Street	0852	0942	1032	1134	1234		34		1634	1734	1832	1929	2013	2103		03		0003	-
Luton Station Interchange	0856	0946	1036	1139	1239		39		1639	1738	1836	1933	2017	2107		07		0007	-

724 Green Line Harlow to London Heathrow Airport

via Hertford, Welwyn Garden City, Hatfield, St Albans, Watford and Maple Cross - Valid from Sunday, January 8, 2023 to Thursday, June 15, 2023

Monday to Friday - Heathrow Airport Heathrow Central Bus Station

	724	724	724	724	724	724	724 ¹	724 ¹	724 ²	724²	724 ¹	724 ¹	724²	724²	724 ¹	724 ¹	724 ²	724 ²	724 ¹	724 ²	724 ¹	724 ²	724	724	724
Harlow Town Centre Bus Station	0110		0300	_	0345	_	0430	_	0448	_	0515	_	0552	_	0615	-	0642	_	0715				0840		0945
Great Amwell Amwell Roundabout	0121		0311	_	0356	_	0441	_	0459	_	0526	_	0603	_	0626	_	0653	_	0730	0754	_	_	0851		0956
Ware Hertford Regional College	0125		0315	_	0400	-	0445	_	0503	_	0530	_	0607	_	0630	_	0658	_	0736	0759	_	_	0856		1001
Hertford Bus Station	0131		0321	-	0409	-	0454	_	0512	-	0540	_	0617	-	0640	_	0709	_	0752	0810	_	_	0907		1012
Hertford North Railway Station	0135		0325	-	0413	-	0458	_	0516	_	0544	_	0622	_	0644	_	0713	_	0801	0815	_	_	0913	-	1017
Panshanger Windhill	0144		0334	-	0422		0507	_	0524	-	0554	_	0630	-	0654	_	0722	_	0813	0824	_	_	0923	-	1027
Welwyn Garden City Bus Station	0151		0341		0429	-	0516	-	0534	-	0604	_	0640	-	0705	-	0732	-	0824	0834	-	-	0933		1037
Welwyn Garden City New QEII Hospital	0158		0348		0438	-	0524	_	0541	_	0612	-	0648	_	0713	_	0741	-	0837	0843	-	-	0942		1046
Hatfield Railway Station	0205		0355	-	0445		0532	-	0548	-	0620		0656	-	0724	-	0749	-	0850	0851	-	-	0952	-	1054
Hatfield Town Centre	0208		0358		0449	-	0536	_	0551	_	0623	-	0659	_	0727	_	0752	-	0854	0854	-	-	0955		1057
Hatfield The Galleria	0211		0401		0451	-	0538	-	0554	-	0626	-	0702	-	0730	-	0755	-	0857	0857	-	-	0958		1100
St Albans City Railway Station	0223		0413	-	0503	-	0551	-	0606	-	0638	-	0717	-	0748	-	0810	-	0912	0912	-	-	1013	-	1115
St Albans St Peter's Street	0226	0231	0416	0421	0506	0511	0554	0559	0610	0615	0642	0647	0721	0726	0754	0759	0815	0820	0917	0917	0922	0922	1018	1023	1120
Chiswell Green Three Hammers PH		0238		0428		0518	-	0606	-	0622	-	0655	-	0738	-	0811	-	0833	-	-	0931	0930	-	1030	-
Garston Bus Garage		0245		0435		0525	-	0615	-	0631	-	0708	-	0746	-	0825	-	0844		-	0940	0938		1042	-
Watford Junction Railway Station		0256		0448		0538	-	0629	-	0647	-	0729	-	0803	-	0853	-	0902	-	-	0956	0959	-	1055	-
Watford Town Hall		0300		0452		0542		0633	-	0650	-	0735	-	0807		0858	-	0906		-	1000	1003	-	1059	-
Rickmansworth Railway Station		0309		0501		0553	-	0644	-	0700	-	0757	-	0817	-	0910	-	0916	-	-	1011	1013	-	1110	-
Maple Cross The Cross	-	0315		0510		0602		0654	-	0709	-	0809	-	0826	-	0920	-	0925	-	-	1020	1022	-	1119	-
Denham Station Parade		0321		0516		0608	-	0703	-	0715	-	0822	-	0832	-	0927	-	0931	-	-	1027	1028	-	1125	-
Uxbridge York Road (UB8)		0329		0524		0616	-	0713	-	0723	-	0836	-	0840	-	0937	-	0939		-	1036	1036	-	1134	-
Heathrow Airport Terminal 5 Heathrow Terminal 5	·	0345				-		-			-	-	-			-	-	-		-	-	-	-		-
Heathrow Airport Heathrow Central Bus Station		0355		0540		0634	-	0739	-	0739	-	0857	-	0857	-	0955	-	0955		-	1054	1052	-	1152	-
	724	724	724	724	724	724	724	7241	7241	7242	7242	7241	7241	7242	7242	7241	7242	7241	7242	7241	7242	7241	7242	7241	7242
Harlow Tourn Contro Bus Station	724	724 1045	724	724	724	724		724 ¹	724 ¹	724 ²	724²				724 ²			724 ¹	724²			724 ¹	724²		
Harlow Town Centre Bus Station	724 	1045	-	1200		1300		1400	-	1410	-	1500	-	1515	-	1610	1630	-	724 ² 	1715	1731	724 ¹ 	-	1830	1830
Great Amwell Amwell Roundabout	724 	1045 1056	-	1200 1211	-	1300 1311	 	1400 1411	-	1410 1420	- -	1500 1511	- -	1515 1526	-	1610 1621	1630 1641	-	-	1715 1729	1731 1741	-	-	1830 1843	1830 1843
Great Amwell Amwell Roundabout Ware Hertford Regional College	724 	1045 1056 1101	- - -	1200 1211 1216	 	1300 1311 1316	 	1400 1411 1416	- - -	1410 1420 1425	- - -	1500 1511 1516	- - -	1515 1526 1531	- - -	1610 1621 1626	1630 1641 1646	-	724 ²	1715 1729 1734	1731 1741 1746	- - -	 	1830 1843 1848	1830 1843 1848
Great Amwell Amwell Roundabout Ware Hertford Regional College Hertford Bus Station	724 	1045 1056 1101 1112	- - -	1200 1211 1216 1227	- - -	1300 1311 1316 1327	 	1400 1411 1416 1427	- - - -	1410 1420 1425 1436	- - - -	1500 1511 1516 1530	- - -	1515 1526 1531 1542	-	1610 1621 1626 1637	1630 1641 1646 1657	- - -	- - -	1715 1729 1734 1746	1731 1741 1746 1757	- - -	- - -	1830 1843 1848 1859	1830 1843 1848 1859
Great Amwell Amwell Roundabout Ware Hertford Regional College Hertford Bus Station Hertford North Railway Station	724 	1045 1056 1101 1112 1117	- - -	1200 1211 1216 1227 1232	 	1300 1311 1316 1327 1332	 	1400 1411 1416 1427 1433	- - - - -	1410 1420 1425 1436 1442	- - - -	1500 1511 1516 1530 1536	- - - -	1515 1526 1531 1542 1548	- - - -	1610 1621 1626 1637 1644	1630 1641 1646 1657 1703	-	-	1715 1729 1734 1746 1753	1731 1741 1746 1757 1803	 	 	1830 1843 1848 1859 1904	1830 1843 1848 1859 1904
Great Amwell Amwell Roundabout Ware Hertford Regional College Hertford Bus Station Hertford North Railway Station Panshanger Windhill	724 	1045 1056 1101 1112 1117 1127		1200 1211 1216 1227 1232 1242		1300 1311 1316 1327 1332 1342	- - - -	1400 1411 1416 1427 1433 1443	- - - -	1410 1420 1425 1436 1442 1452	- - - - -	1500 1511 1516 1530 1536 1546	- - - - -	1515 1526 1531 1542 1548 1558	- - - -	1610 1621 1626 1637 1644 1654	1630 1641 1646 1657 1703 1713	- - - - -	- - - -	1715 1729 1734 1746 1753 1803	1731 1741 1746 1757 1803 1813	- - - - -	 	1830 1843 1848 1859 1904 1914	1830 1843 1848 1859 1904 1914
Great Amwell Amwell Roundabout Ware Hertford Regional College Hertford Bus Station Hertford North Railway Station Panshanger Windhill Welwyn Garden City Bus Station	724 	1045 1056 1101 1112 1117 1127 1137	- - -	1200 1211 1216 1227 1232 1242 1252	 	1300 1311 1316 1327 1332 1342 1352	- - - -	1400 1411 1416 1427 1433 1443 1453	- - - - -	1410 1420 1425 1436 1442 1452 1502	- - - - -	1500 1511 1516 1530 1536 1546 1556	- - - - -	1515 1526 1531 1542 1548 1558 1608	- - - -	1610 1621 1626 1637 1644 1654 1704	1630 1641 1646 1657 1703 1713 1723	- - -	- - -	1715 1729 1734 1746 1753 1803 1814	1731 1741 1746 1757 1803 1813 1823	- - - - - -	 	1830 1843 1848 1859 1904 1914 1925	1830 1843 1848 1859 1904 1914 1925
Great Amwell Amwell Roundabout Ware Hertford Regional College Hertford Bus Station Hertford North Railway Station Panshanger Windhill Welwyn Garden City Bus Station Welwyn Garden City New QEll Hospital	724 	1045 1056 1101 1112 1117 1127	 	1200 1211 1216 1227 1232 1242 1252 1301	- - - - - -	1300 1311 1316 1327 1332 1342 1352 1401	 	1400 1411 1416 1427 1433 1443 1453 1502	- - - - -	1410 1420 1425 1436 1442 1452 1502 1511	- - - - -	1500 1511 1516 1530 1536 1546 1556 1605	- - - - - -	1515 1526 1531 1542 1548 1558 1608 1617	 	1610 1621 1626 1637 1644 1654 1704 1715	1630 1641 1646 1657 1703 1713 1723 1727	- - - - -	- - - -	1715 1729 1734 1746 1753 1803 1814 1824	1731 1741 1746 1757 1803 1813 1823 1832	- - - - - - -	- - - - -	1830 1843 1848 1859 1904 1914 1925 1933	1830 1843 1848 1859 1904 1914 1925 1933
Great Amwell Amwell Roundabout Ware Hertford Regional College Hertford Bus Station Hertford North Railway Station Panshanger Windhill Welwyn Garden City Bus Station Welwyn Garden City New QEll Hospital Hatfield Railway Station	724 	1045 1056 1101 1112 1117 1127 1137 1146	 	1200 1211 1216 1227 1232 1242 1252 1301 1309	 	1300 1311 1316 1327 1332 1342 1352 1401 1409	 	1400 1411 1416 1427 1433 1443 1453 1502 1511	- - - - - -	1410 1420 1425 1436 1442 1452 1502 1511 1519	- - - - - -	1500 1511 1516 1530 1536 1546 1556 1605 1614	 	1515 1526 1531 1542 1548 1558 1608 1617 1625	 	1610 1621 1626 1637 1644 1654 1704 1715 1725	1630 1641 1646 1657 1703 1713 1723 1727 1735	- - - - - - -	- - - - - -	1715 1729 1734 1746 1753 1803 1814 1824 1833	1731 1741 1746 1757 1803 1813 1823 1832 1840	 	 	1830 1843 1848 1859 1904 1914 1925 1933 1941	1830 1843 1848 1859 1904 1914 1925 1933 1941
Great Anwell Anwell Roundabout Ware Hertford Regional College Hertford Bus Station Hertford North Railway Station Panshanger Windhill Welwyn Garden City Bus Station Welwyn Garden City New QEII Hospital Hatfield Railway Station Hatfield Town Centre	724 	1045 1056 1101 1112 1117 1127 1137 1146 1154	 	1200 1211 1216 1227 1232 1242 1252 1301 1309 1312	 	1300 1311 1316 1327 1332 1342 1352 1401 1409 1412	 	1400 1411 1416 1427 1433 1443 1453 1502 1511 1514	- - - - - -	1410 1420 1425 1436 1442 1452 1502 1511 1519 1522	- - - - - - -	1500 1511 1516 1530 1536 1546 1556 1605 1614 1618	 	1515 1526 1531 1542 1548 1558 1608 1617 1625 1628	 	1610 1621 1626 1637 1644 1654 1704 1715 1725	1630 1641 1646 1657 1703 1713 1723 1727 1735 1738	- - - - - - -	- - - - - -	1715 1729 1734 1746 1753 1803 1814 1824 1833 1836	1731 1741 1746 1757 1803 1813 1823 1832 1840 1843	 	 	1830 1843 1848 1859 1904 1914 1925 1933 1941	1830 1843 1848 1859 1904 1914 1925 1933 1941
Great Amwell Amwell Roundabout Ware Hertford Regional College Hertford Bus Station Hertford North Railway Station Panshanger Windhill Welwyn Garden City Bus Station Welwyn Garden City New QEII Hospital Hatfield Railway Station Hatfield Town Centre Hatfield The Galleria	 	1045 1056 1101 1112 1117 1127 1137 1146 1154 1157	 	1200 1211 1216 1227 1232 1242 1252 1301 1309	 	1300 1311 1316 1327 1332 1342 1352 1401 1409	 	1400 1411 1416 1427 1433 1443 1453 1502 1511	 	1410 1420 1425 1436 1442 1452 1502 1511 1519 1522 1525	- - - - - - - - -	1500 1511 1516 1530 1536 1546 1556 1605 1614	- - - - - - - - -	1515 1526 1531 1542 1548 1558 1608 1617 1625 1628 1631	 	1610 1621 1626 1637 1644 1654 1704 1715 1725	1630 1641 1646 1657 1703 1713 1723 1727 1735 1738 1741	 	 	1715 1729 1734 1746 1753 1803 1814 1824 1833 1836 1839	1731 1741 1746 1757 1803 1813 1823 1832 1840	 		1830 1843 1848 1859 1904 1914 1925 1933 1941	1830 1843 1848 1859 1904 1914 1925 1933 1941 1944 1947
Great Anwell Anwell Roundabout Ware Hertford Regional College Hertford Bus Station Hertford North Railway Station Panshanger Windhill Welwyn Garden City Bus Station Welwyn Garden City New QEII Hospital Hatfield Railway Station Hatfield Town Centre	 	1045 1056 1101 1112 1117 1127 1137 1146 1154 1157 1200		1200 1211 1216 1227 1232 1242 1252 1301 1309 1312 1315 1330		1300 1311 1316 1327 1332 1342 1352 1401 1409 1412 1415	 	1400 1411 1416 1427 1433 1443 1453 1502 1511 1514 1517 1534		1410 1420 1425 1436 1442 1452 1502 1511 1519 1522 1525 1540	- - - - - - - - - - - - -	1500 1511 1516 1530 1536 1546 1556 1605 1614 1618 1621 1638	- - - - - - - - -	1515 1526 1531 1542 1548 1558 1608 1617 1625 1628 1631 1646	 	1610 1621 1626 1637 1644 1654 1704 1715 1725 1729 1732	1630 1641 1646 1657 1703 1713 1723 1727 1735 1738 1741 1756	 		1715 1729 1734 1746 1753 1803 1814 1824 1833 1836 1839	1731 1741 1746 1757 1803 1813 1823 1832 1840 1843 1846 1901	- - - - - - - - - - -	- - - - - - - - - -	1830 1843 1848 1859 1904 1914 1925 1933 1941 1944 1947 2000	1830 1843 1848 1859 1904 1914 1925 1933 1941 1944 1947 2000
Great Amwell Amwell Roundabout Ware Hertford Regional College Hertford Bus Station Hertford North Railway Station Panshanger Windhill Welwyn Garden City Bus Station Welwyn Garden City New QEII Hospital Hatfield Railway Station Hatfield Town Centre Hatfield The Galleria St Albans City Railway Station St Albans St Peter's Street	 	1045 1056 1101 1112 1117 1127 1137 1146 1154 1157 1200 1215		1200 1211 1216 1227 1232 1242 1252 1301 1309 1312 1315 1330		1300 1311 1316 1327 1332 1342 1352 1401 1409 1412 1415	 	1400 1411 1416 1427 1433 1443 1453 1502 1511 1514 1517 1534		1410 1420 1425 1436 1442 1452 1502 1511 1519 1522 1525 1540	- - - - - - - - - - - - -	1500 1511 1516 1530 1536 1546 1556 1605 1614 1618 1621 1638	 1649	1515 1526 1531 1542 1548 1558 1608 1617 1625 1628 1631 1646	 	1610 1621 1626 1637 1644 1654 1704 1715 1725 1729 1732	1630 1641 1646 1657 1703 1713 1723 1727 1735 1738 1741 1756	 1804		1715 1729 1734 1746 1753 1803 1814 1824 1833 1836 1839	1731 1741 1746 1757 1803 1813 1823 1832 1840 1843 1846 1901	 1907	 1913	1830 1843 1848 1859 1904 1914 1925 1933 1941 1944 1947 2000 2004	1830 1843 1848 1859 1904 1914 1925 1933 1941 1944 1947 2000
Great Amwell Amwell Roundabout Ware Hertford Regional College Hertford Bus Station Hertford North Railway Station Panshanger Windhill Welwyn Garden City Bus Station Welwyn Garden City New QEII Hospital Hatfield Railway Station Hatfield Town Centre Hatfield The Galleria St Albans City Railway Station St Albans St Peter's Street Chiswell Green Three Hammers PH	 1125	1045 1056 1101 1112 1117 1127 1137 1146 1154 1157 1200 1215	 1225	1200 1211 1216 1227 1232 1242 1252 1301 1309 1312 1315 1330	 1340	1300 1311 1316 1327 1332 1342 1352 1401 1409 1412 1415	 1440	1400 1411 1416 1427 1433 1443 1453 1502 1511 1514 1517 1534 1540	 1545	1410 1420 1425 1436 1442 1452 1502 1511 1519 1522 1525 1540 1545	 1550	1500 1511 1516 1530 1536 1546 1556 1605 1614 1618 1621 1638	- - - - - - - - - -	1515 1526 1531 1542 1548 1558 1608 1617 1625 1628 1631 1646 1651	 1656	1610 1621 1626 1637 1644 1654 1704 1715 1725 1729 1732 1750 1759	1630 1641 1646 1657 1703 1713 1723 1727 1735 1738 1741 1756 1801	 1804	 1806	1715 1729 1734 1746 1753 1803 1814 1824 1833 1836 1839	1731 1741 1746 1757 1803 1813 1823 1832 1840 1843 1846 1901	 1907	 1913	1830 1843 1848 1859 1904 1914 1925 1933 1941 1944 1947 2000 2004	1830 1843 1848 1859 1904 1914 1925 1933 1941 1944 1947 2000
Great Amwell Amwell Roundabout Ware Hertford Regional College Hertford Bus Station Hertford North Railway Station Panshanger Windhill Welwyn Garden City Bus Station Welwyn Garden City New QEII Hospital Hatfield Railway Station Hatfield Town Centre Hatfield The Galleria St Albans City Railway Station St Albans St Peter's Street	 1125	1045 1056 1101 1112 1117 1127 1137 1146 1154 1157 1200 1215 1220	 1225	1200 1211 1216 1227 1232 1242 1252 1301 1309 1312 1315 1330 1335	 1340	1300 1311 1316 1327 1332 1342 1352 1401 1409 1412 1415 1430 1435	 1440	1400 1411 1416 1427 1433 1443 1453 1502 1511 1514 1517 1534 1540	 1545	1410 1420 1425 1436 1442 1452 1502 1511 1519 1522 1525 1540 1545	 1550	1500 1511 1516 1530 1536 1546 1556 1605 1614 1618 1621 1638 1644	 1649	1515 1526 1531 1542 1548 1558 1608 1617 1625 1628 1631 1646 1651	 1656	1610 1621 1626 1637 1644 1654 1704 1715 1729 1732 1750 1759	1630 1641 1646 1657 1703 1713 1723 1727 1735 1738 1741 1756 1801	 1804	 1806	1715 1729 1734 1746 1753 1803 1814 1824 1833 1836 1839 1856 1902	1731 1741 1746 1757 1803 1813 1823 1840 1843 1846 1901 1906	 1907 1915	 1913	1830 1843 1848 1859 1904 1914 1925 1933 1941 1944 1947 2000 2004 	1830 1843 1848 1859 1904 1914 1925 1933 1941 1944 1947 2000 2004
Great Amwell Amwell Roundabout Ware Hertford Regional College Hertford Bus Station Hertford North Railway Station Panshanger Windhill Welwyn Garden City Bus Station Welwyn Garden City New QEII Hospital Hatfield Railway Station Hatfield Town Centre Hatfield The Galleria St Albans City Railway Station St Albans St Peter's Street Chiswell Green Three Hammers PH Garston Bus Garage	 1125 1132	1045 1056 1101 1112 1117 1127 1137 1146 1154 1157 1200 1215 1220	 1225 1232	1200 1211 1216 1227 1232 1242 1252 1301 1309 1312 1315 1330 1335	 1340 1347	1300 1311 1316 1327 1332 1342 1352 1401 1409 1412 1415 1430 1435 	 1440 1447	1400 1411 1416 1427 1433 1443 1502 1511 1514 1517 1534 1540 - -	 1545 1553	1410 1420 1425 1436 1442 1452 1502 1511 1519 1522 1525 1540 1545	 1550 1557	1500 1511 1516 1530 1536 1546 1556 1605 1614 1618 1621 1638 1644	 1649 1658	1515 1526 1531 1542 1548 1558 1608 1617 1625 1628 1631 1646 1651	 1656 1703	1610 1621 1626 1637 1644 1654 1704 1715 1729 1732 1750 1759	1630 1641 1646 1657 1703 1713 1723 1727 1735 1738 1741 1756 1801	 1804 1814 1827	 1806 1813 1825	1715 1729 1734 1746 1753 1803 1814 1824 1833 1836 1839 1856 1902	1731 1741 1746 1757 1803 1813 1823 1840 1843 1846 1901 1906	 1907 1915 1925	 1913 5 1920 5 1929	1830 1843 1848 1859 1904 1914 1925 1933 1941 1944 1947 2000 2004 	1830 1843 1848 1859 1904 1914 1925 1933 1941 1944 1947 2000 2004
Great Amwell Amwell Roundabout Ware Hertford Regional College Hertford Bus Station Hertford North Railway Station Panshanger Windhill Welwyn Garden City Bus Station Welwyn Garden City New QEII Hospital Hatfield Railway Station Hatfield Town Centre Hatfield The Galleria St Albans City Railway Station St Albans St Peter's Street Chiswell Green Three Hammers PH Garston Bus Garage Watford Junction Railway Station	 1125 1132 1144 1157	1045 1056 1101 1112 1117 1127 1137 1146 1154 1157 1200 1215 1220 	 1225 1232 1244	1200 1211 1216 1227 1232 1242 1252 1301 1309 1312 1315 1330 1335 	 1340 1347 1359	1300 1311 1316 1327 1332 1342 1352 1401 1409 1412 1415 1430 1435 	 1440 1447 1459	1400 1411 1416 1427 1433 1443 1502 1511 1514 1517 1534 1540 - -	 1545 1553 1606	1410 1420 1425 1436 1442 1452 1502 1511 1519 1522 1525 1540 1545 -	 1550 1557 1609	1500 1511 1516 1530 1536 1546 1556 1605 1614 1638 1644 -	 1649 1658 1710 1728	1515 1526 1531 1542 1548 1558 1608 1617 1625 1628 1631 1646 1651	 1656 1703 1715	1610 1621 1626 1637 1644 1654 1704 1715 1729 1732 1750 1759 -	1630 1641 1646 1657 1703 1713 1727 1735 1738 1741 1756 1801	 1804 1814 1827	 1806 1813 1825	1715 1729 1734 1746 1753 1803 1814 1824 1833 1836 1839 1856 1902 	1731 1741 1746 1757 1803 1813 1823 1840 1843 1901 1906 	 1907 1915 1940 1944	 1913 1920 1929 1945	1830 1843 1848 1859 1904 1914 1925 1933 1941 1944 1947 2000 2004 	1830 1843 1848 1859 1904 1914 1925 1933 1941 1944 1947 2000 2004 —
Great Amwell Amwell Roundabout Ware Hertford Regional College Hertford Bus Station Hertford North Railway Station Panshanger Windhill Welwyn Garden City Bus Station Welwyn Garden City New QEII Hospital Hatfield Railway Station Hatfield Town Centre Hatfield The Galleria St Albans City Railway Station St Albans St Peter's Street Chiswell Green Three Hammers PH Garston Bus Garage Watford Junction Railway Station Watford Town Hall	 1125 1132 1144 1157	1045 1056 1101 1112 1117 1127 1137 1146 1154 1157 1200 1215 1220 	 1225 1232 1244 1257	1200 1211 1216 1227 1232 1242 1252 1301 1309 1312 1315 1330 1335 	 1340 1347 1359 1414	1300 1311 1316 1327 1332 1342 1352 1401 1409 1412 1415 1430 1435 	 1440 1447 1515 1519	1400 1411 1416 1427 1433 1443 1502 1511 1514 1517 1534 1540 - - -	 1545 1553 1606 1622	1410 1420 1425 1436 1442 1452 1502 1511 1519 1522 1525 1540 1545 -	 1550 1557 1609 1627	1500 1511 1516 1530 1536 1546 1556 1605 1614 1638 1644 -	 1649 1658 1710 1728 1733	1515 1526 1531 1542 1548 1558 1608 1617 1625 1628 1631 1646 1651 	- - - - - - - - 1656 1703 1715 1733	1610 1621 1626 1637 1644 1654 1704 1715 1729 1732 1750 1759 -	1630 1641 1646 1657 1703 1713 1727 1735 1738 1741 1756 1801	 1804 1814 1827 1842	 1806 1813 1825 1842 1847	1715 1729 1734 1746 1753 1803 1814 1824 1833 1836 1839 1856 1902 	1731 1741 1746 1757 1803 1813 1823 1840 1843 1901 1906 	 1907 1915 1925 1940 1944 1955		1830 1843 1848 1859 1904 1914 1925 1933 1941 1944 2000 	1830 1843 1848 1859 1904 1914 1925 1933 1941 1944 1947 2000 2004 —
Great Amwell Amwell Roundabout Ware Hertford Regional College Hertford Bus Station Hertford North Railway Station Panshanger Windhill Welwyn Garden City Bus Station Welwyn Garden City New QEll Hospital Hatfield Railway Station Hatfield Town Centre Hatfield The Galleria St Albans City Railway Station St Albans St Peter's Street Chiswell Green Three Hammers PH Garston Bus Garage Watford Junction Railway Station Watford Town Hall Rickmansworth Railway Station	 1125 1132 1144 1157 1201	1045 1056 1101 1112 1117 1127 1137 1146 1154 1157 1200 	 1225 1232 1244 1257 1301 1312	1200 1211 1216 1227 1232 1242 1301 1309 1312 1315 1330 	 1340 1347 1359 1414 1418 1429	1300 1311 1316 1327 1332 1342 1352 1401 1409 1412 1415 	 1440 1447 1459 1515 1519	1400 1411 1416 1427 1433 1443 1502 1511 1514 1517 1534 1540 - - -		1410 1420 1425 1436 1442 1502 1511 1519 1522 1525 1540 1545 - -	 1550 1557 1609 1627 1631	1500 1511 1516 1530 1536 1546 1655 1614 1621 1638 1644 - - -		1515 1526 1531 1542 1548 1558 1608 1617 1625 1628 1631 1646 1651 		1610 1621 1626 1637 1644 1654 1704 1715 1725 1729 1750 1759 - - -	1630 1641 1646 1657 1703 1713 1727 1735 1738 1741 1756 1801 - - -	 1804 1814 1827 1842 1847	 1806 1813 1825 1842 1847	1715 1729 1734 1746 1753 1803 1814 1824 1833 1836 1902 	1731 1741 1746 1757 1803 1813 1823 1840 1843 1901 1906 			1830 1843 1848 1859 1904 1914 1925 1933 1941 1944 2000 	1830 1843 1848 1859 1904 1914 1925 1933 1941 1944 2000 2004 - -
Great Amwell Amwell Roundabout Ware Hertford Regional College Hertford Bus Station Hertford North Railway Station Panshanger Windhill Welwyn Garden City Bus Station Welwyn Garden City New QEll Hospital Hatfield Railway Station Hatfield Town Centre Hatfield The Galleria St Albans City Railway Station St Albans St Peter's Street Chiswell Green Three Hammers PH Garston Bus Garage Watford Junction Railway Station Watford Town Hall Rickmansworth Railway Station Maple Cross The Cross	 1125 1132 1144 1157 1201 1212	1045 1056 1101 1112 1117 1127 1137 1146 1154 1157 1200 	 1225 1232 1244 1257 1301 1312	1200 1211 1216 1227 1232 1242 1301 1309 1312 1315 1330 	 1340 1347 1359 1414 1418 1429 1438	1300 1311 1316 1327 1332 1342 1401 1409 1412 1415 	 1440 1447 1515 1519 1531 1540	1400 1411 1416 1427 1433 1443 1502 1511 1514 1540 - - - - -		1410 1420 1425 1436 1442 1502 1511 1519 1522 1525 1540 1545 - -	 1550 1557 1609 1627 1631 1643 1652	1500 1511 1516 1530 1536 1546 1556 1605 1614 1638 1644 		1515 1526 1531 1542 1548 1558 1608 1617 1625 1628 1631 1646 1651 		1610 1621 1626 1637 1644 1654 1704 1715 1725 1729 1750 1759 - - -	1630 1641 1646 1657 1703 1713 1727 1735 1738 1741 1756 1801 - - -	 1804 1814 1827 1842 1847 1859		1715 1729 1734 1746 1753 1803 1814 1824 1833 1836 1902 	1731 1741 1746 1757 1803 1813 1823 1840 1843 1901 1906 			1830 1843 1848 1859 1904 1914 1925 1933 1941 1947 2000 	1830 1843 1848 1859 1904 1914 1925 1933 1941 1944 2000 2004 - -
Great Amwell Amwell Roundabout Ware Hertford Regional College Hertford Bus Station Hertford North Railway Station Panshanger Windhill Welwyn Garden City Bus Station Welwyn Garden City New QEll Hospital Hatfield Railway Station Hatfield Town Centre Hatfield The Galleria St Albans City Railway Station St Albans St Peter's Street Chiswell Green Three Hammers PH Garston Bus Garage Watford Junction Railway Station Watford Town Hall Rickmansworth Railway Station Maple Cross The Cross Denham Station Parade		1045 1056 1101 1112 1117 1127 1137 1146 1154 1157 1200 		1200 1211 1216 1227 1232 1242 1252 1301 1309 1312 1315		1300 1311 1316 1327 1332 1342 1352 1401 1409 1412 1415 		1400 1411 1416 1427 1433 1443 1502 1511 1514 1540 - - - - -		1410 1420 1425 1436 1442 1452 1502 1511 1519 1522 1540 1545 - - - -	1550 1627 1631 1643 1652 1659	1500 1511 1516 1530 1536 1546 1556 1614 1621 1638 1644 		1515 1526 1531 1542 1548 1558 1608 1617 1625 1628 1631 1646 1651 		1610 1621 1626 1637 1644 1704 1715 1725 1732 1750 	1630 1641 1646 1657 1703 1713 1727 1735 1738 1741 1756 1801 - - - -			1715 1729 1734 1746 1753 1803 1814 1824 1833 1836 1902 	1731 1741 1746 1757 1803 1813 1823 1840 1901 1906 			1830 1843 1848 1859 1904 1914 1925 1933 1941 1947 2000 	1830 1843 1848 1859 1904 1914 1925 1933 1941 1947 2000 2004 — — — —
Great Amwell Amwell Roundabout Ware Hertford Regional College Hertford Bus Station Hertford North Railway Station Panshanger Windhill Welwyn Garden City Bus Station Welwyn Garden City New QEll Hospital Hatfield Railway Station Hatfield Town Centre Hatfield The Galleria St Albans City Railway Station St Albans City Railway Station St Albans St Peter's Street Chiswell Green Three Hammers PH Garston Bus Garage Watford Junction Railway Station Watford Town Hall Rickmansworth Railway Station Maple Cross The Cross Denham Station Parade Uxbridge York Road (UB8) Heathrow Airport Terminal 5 Heathrow Terminal 5		1045 1056 1101 1112 1117 1127 1137 1146 1154 1157 1200 		1200 1211 1216 1227 1232 1242 1301 1309 1312 1315		1300 1311 1316 1327 1332 1352 1401 1409 1412 1415 		1400 1411 1416 1427 1433 1443 1502 1511 1514 1534 1540 - - - - - - -		1410 1420 1425 1436 1442 1502 1511 1522 1525 1540 	1550 1627 1631 1643 1652 1659	1500 1511 1516 1530 1536 1546 1556 1614 1621 1638 1644 		1515 1526 1531 1542 1548 1558 1608 1617 1625 1628 1631 1646 1651 - - - - -		1610 1621 1626 1637 1644 1704 1715 1725 1732 1750 	1630 1641 1646 1657 1703 1713 1727 1735 1738 1741 1756 1801 - - - -			1715 1729 1734 1746 1753 1803 1814 1824 1833 1836 1902 	1731 1741 1746 1757 1803 1813 1823 1840 1901 1906 			1830 1843 1848 1859 1904 1914 1925 1933 1941 1944 1947 2000 	1830 1843 1848 1859 1904 1914 1925 1933 1941 1947 2000 2004 — — — —

	724 ¹	724 ²	724	724	724	724
Harlow Town Centre Bus Station			1930		2030	
Great Amwell Amwell Roundabout	-		1941		2041	
Ware Hertford Regional College	-		1946		2045	
Hertford Bus Station	-		1956		2054	
Hertford North Railway Station	-		2000		2058	
Panshanger Windhill	-		2009		2107	
Welwyn Garden City Bus Station	-		2018		2115	
Welwyn Garden City New QEII Hospital	-		2026		2122	
Hatfield Railway Station	-		2033		2129	
Hatfield Town Centre	-		2036		2131	
Hatfield The Galleria	-		2038		2133	
St Albans City Railway Station	-		2050		2143	
St Albans St Peter's Street	2009	2009	2053	2058	2146	2154
Chiswell Green Three Hammers PH	2016	2016		2105		2201
Garston Bus Garage	2026	2026		2114		2210
Watford Junction Railway Station	2038	2038		2125		2224
Watford Town Hall	2042	2042		2128		2227
Rickmansworth Railway Station	2053	2053		2139		2236
Maple Cross The Cross	2102	2102		2148		2243
Denham Station Parade	2108	2108		2154		2248
Uxbridge York Road (UB8)	2115	2115		2201		2255
Heathrow Airport Terminal 5 Heathrow Terminal 5	5					
Heathrow Airport Heathrow Central Bus Station	2132	2132		2218	-	2310

¹ Term Time Only ² Only During School Holidays

Monday to Friday - Harlow Town Centre Bus Station

	724	724	724 ¹	724 ²	724 ¹	724 ²	724	724 ¹	724 ²	724 ¹	724 ²	724 ¹	724 ²	724 ¹	724 ²	724 ¹	724 ²	724	724	724	724	724	724	724	724 ¹
Heathrow Airport Heathrow Central Bus Station			0610		-			_	_	0645	0710	_	_	0755		_	_	0915		1015	_	1115	_	1215	_
Heathrow Airport Terminal 5 Heathrow Terminal 5				-	_			_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Uxbridge York Road (UB8)		0527	0627	0636	_			_	_	0703	0727	_	_	0817	0832	_	_	0933		1033	_	1133	_	1233	_
Denham Station Parade		0536	0636	0644	_			_	_	0716	0736	-	_	0829	0842	_	_	0942		1042	_	1142	_	1245	_
Maple Cross The Cross		0542	0642	0650	_			_	_	0727	0743	_	_	0840	0850	_	_	0952		1052	_	1152	_	1255	_
Rickmansworth Railway Station		0549	0649	0657	-			_	_	0742	0752	-	_	0854	0900	_	_	1000		1100	_	1200	_	1303	_
Watford Clarendon Road		0602	0702	0710	_			_	_	0809	0807	_	_	0914	0916	_	_	1015		1115	_	1215	_	1318	_
Watford Junction Railway Station		0608	0708	0715	-			_	_	0814	0813	_	_	0920	0922	_	_	1020		1120	_	1220	_	1323	_
Garston Bus Garage		0620	0721	0727	-			-	-	0827	0826	-	-	0933	0934	-	-	1031		1131	-	1231	-	1335	-
Chiswell Green Three Hammers PH		0627	0730	0738	-			_	-	0836	0835	_	-	0941	0942	_	_	1039	-	1139	-	1239	-	1344	_
St Albans St Peter's Street	0201	0635	0743	0750	-		0645	0748	0800	0849	0848	0854	0857	0951	0952	0956	0957	1052	1057	1152	1157	1252	1257	1357	1402
St Albans City Railway Station	0205				-		0650	0756	0806	_	_	0900	0903	_	_	1002	1002	_	1103	_	1203	_	1303	-	1408
Hatfield The Galleria	0216	-			-		0703	0814	0820	-	_	0915	0917	-	_	1016	1016	_	1117	-	1217		1317	_	1424
Hatfield Town Centre	0219				-		0706	0817	0823	_	_	0917	0919	_	_	1018	1018	_	1119	_	1219	_	1319	-	1427
Hatfield Railway Station	0222	-		-	-		0709	0820	0826	-	_	0920	0922	-	_	1021	1021	_	1122	-	1222		1322	_	1430
Welwyn Garden City New QEII Hospital	0228				-		0720	0830	0834	_	_	0929	0930	_	_	1030	1030	_	1130	_	1230	_	1330	-	1439
Welwyn Garden City Bus Station	0238						0731	0844	0846	-	-	0941	0945	-	-	1042	1042	-	1142	-	1242		1342	-	1451
Panshanger Windhill	0243			-	-		0741	0852	0854	_	_	0949	0952	_	_	1050	1050	_	1150	_	1250	_	1350	_	1459
Hertford North Railway Station	0251	-		-	-		0751	0902	0902	-	-	0958	1000	-	-	1059	1059	-	1159	-	1259	-	1359	-	1509
Hertford Bus Station	0258				0644	0644	0759	0912	0912	-	_	1008	1008	-	_	1107	1107	_	1207	-	1307	-	1407	-	1518
Ware Hertford Regional College	0304			-	0651	0651	8080	0921	0921	_	-	1017	1017	_	-	1116	1116	-	1216	-	1316	-	1416	-	1527
Great Amwell Amwell Roundabout	0307				0655	0655	0812	0925	0925	-	_	1021	1021	-	_	1120	1120	_	1220	-	1320	-	1420	-	1531
Harlow Town Centre Bus Station	0317			-	0705	0705	0825	0935	0935	_	-	1031	1031	_	-	1130	1130	-	1230	-	1330	-	1430	-	1543
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Heathrow Airport Heathrow Central Bus Station		724 1315	724 ¹ 	724 ² 	724 ¹ 1415	724 ¹ 	724 ² 1430	724² 	724 ¹ 1530	0025	724 ¹ 	724² 1555		724 ¹ 1635		724 ² 1701		724 ¹ 1745	724 ¹ 	724 ² 1800	724² 	724 1900		724 ¹ 2000	
Heathrow Airport Heathrow Central Bus Station Heathrow Airport Terminal 5 Heathrow Terminal 5		1315 	-	-	1415 	-	1430 	-	1530 	0025 0035	-	1555 	-	1635 	-	1701 	-	1745 	-	1800 	-	1900 	-	2000	2000
Heathrow Airport Heathrow Central Bus Station Heathrow Airport Terminal 5 Heathrow Terminal 5 Uxbridge York Road (UB8)		1315 1333	724 ¹ 	724 ²	1415 1433	 	1430 1448	724 ²	1530 1548	0025 0035 0054		1555 1612	- - -	1635 1654	-	1701 1719		1745 1806	- - -	1800 1818	- - -	1900 1918	- - -	2000 2016	2000 2016
Heathrow Airport Heathrow Central Bus Station Heathrow Airport Terminal 5 Heathrow Terminal 5 Uxbridge York Road (UB8) Denham Station Parade		1315 1333 1345	- - - -	- - -	1415 1433 1445	- - -	1430 1448 1500	- - - -	1530 1548 1600	0025 0035 0054 0102	- - -	1555 1612 1621	- - - -	1635 1654 1707	- - - -	1701 1719 1728	- - -	1745 1806 1820	- - - -	1800 1818 1827	- - - -	1900 1918 1928	- - - -	2000 2016 2024	2000 2016 2024
Heathrow Airport Heathrow Central Bus Station Heathrow Airport Terminal 5 Heathrow Terminal 5 Uxbridge York Road (UB8) Denham Station Parade Maple Cross The Cross		1315 1333 1345 1355	-	-	1415 1433 1445 1455	- - - - -	1430 1448 1500 1510	-	1530 1548 1600 1610	0025 0035 0054 0102 0110	-	1555 1612 1621 1628	- - -	1635 1654 1707 1717	- - - -	1701 1719 1728 1735	-	1745 1806 1820 1828	- - - - -	1800 1818 1827 1834	- - -	1900 1918 1928 1936	- - - -	2000 2016 2024 2032	2000 2016 2024 2032
Heathrow Airport Heathrow Central Bus Station Heathrow Airport Terminal 5 Heathrow Terminal 5 Uxbridge York Road (UB8) Denham Station Parade Maple Cross The Cross Rickmansworth Railway Station		1315 1333 1345 1355 1403	- - - - -	- - - - -	1415 1433 1445 1455 1504	- - - - -	1430 1448 1500 1510 1518	- - - - -	1530 - 1548 1600 1610 1620	0025 0035 0054 0102 0110 0117	- - -	1555 - 1612 1621 1628 1637	- - - -	1635 1654 1707 1717 1727	- - - - -	1701 1719 1728 1735 1744	- - - -	1745 1806 1820 1828 1836	- - - - -	1800 1818 1827 1834 1843	- - - - -	1900 1918 1928 1936 1944	- - - - -	2000 2016 2024 2032 2040	2000 2016 2024 2032 2040
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Heathrow Airport Heathrow Central Bus Station Heathrow Airport Terminal 5 Heathrow Terminal 5 Uxbridge York Road (UB8) Denham Station Parade Maple Cross The Cross Rickmansworth Railway Station Watford Clarendon Road Watford Junction Railway Station Garston Bus Garage Chiswell Green Three Hammers PH St Albans St Peter's Street St Albans City Railway Station Hatfield The Galleria Hatfield Town Centre Hatfield Railway Station Welwyn Garden City New QEII Hospital Welwyn Garden City Bus Station Panshanger Windhill Hertford North Railway Station Hertford Bus Station	1402 1424 1427 1430 1451 1459 1518	1315 1333 1345 1355 1403 1418 1423 1435 1444 1457 	1502 1538 1531 1541 1553 1601 1611 1622	1502 1538 1531 1541 1553 1601 1611 1622	1415 1433 1445 1455 1504 1519 1524 1538 1601		1430 1448 1500 1510 1518 1533 1538 1550 1612 		1530 - 1548 1600 1610 1620 1638 1644 1658 1721 - - - -	0025 0035 0054 0102 0110 0117 0129 0134 0149 0156 		1555 - 1612 1621 1628 1637 1652 1658 1710 1718 1733 - - - - - -		1635 - 1654 1707 1717 1727 1746 1752 1809 1819 - - - -		1701 - 1719 1728 1735 1744 1759 1805 1817 1825 1838 - - - - -		1745 - 1806 1820 1828 1836 1851 1919 1930 - - - - - - -	 1935 1940 1953 1956 1959 2006 2017 2023 2032 2032	1800 1818 1827 1834 1843 1858 1904 1916 1924 1937 	1942 1947 2001 2003 2006 2013 2024 2031 2039 2046	1900 - 1918 1928 1936 1944 1956 2001 2011 2018 2026 - - - - -		2000 2016 2024 2032 2040 2052 2057 2106 2112	2000
Heathrow Airport Heathrow Central Bus Station Heathrow Airport Terminal 5 Heathrow Terminal 5 Uxbridge York Road (UB8) Denham Station Parade Maple Cross The Cross Rickmansworth Railway Station Watford Clarendon Road Watford Junction Railway Station Garston Bus Garage Chiswell Green Three Hammers PH St Albans St Peter's Street St Albans City Railway Station Hatfield The Galleria Hatfield Town Centre Hatfield Railway Station Welwyn Garden City New QEll Hospital Welwyn Garden City Bus Station Panshanger Windhill Hertford North Railway Station Hertford Bus Station Ware Hertford Regional College	1402 1430 1431 1459 1509 1518 1527	1315 1333 1345 1355 1403 1418 1423 1435 		1502 1524 1528 1531 1601 1611 1622 1631	1415 1433 1445 1455 1504 1519 1524 1538 1601		1448 1500 1510 1518 1533 1538 1559 1612 		1530 - 1548 1600 1610 1620 1638 1644 1658 1721 - - - -	0025 0035 0054 0102 0110 0117 0129 0134 0149 0156 		1555 - 1612 1621 1628 1637 1652 1658 1710 1718 1733 - - - - -		1635 - 1654 1707 1717 1727 1746 1752 1809 1819 - - - -		1701 - 1719 1728 1735 1744 1759 1805 1817 1825 1838 - - - - -		1745 - 1806 1820 1828 1836 1851 1919 1930 - - - - - - -	1935 1956 1959 2007 2023 2032 2039 2045	1800 1818 1827 1834 1843 1858 1904 1916 1924 1937 	1942 1947 2001 2003 2006 2013 2024 2031 2039 2046 2054	1900 - 1918 1928 1936 1944 1956 2001 2011 2018 2026 - - - - -		2000 2016 2024 2032 2040 2052 2057 2106 2112	2000 - 2016 2024 2032 2040 2052 2057 2106 2112 2119 - - - - -
Heathrow Airport Heathrow Central Bus Station Heathrow Airport Terminal 5 Heathrow Terminal 5 Uxbridge York Road (UB8) Denham Station Parade Maple Cross The Cross Rickmansworth Railway Station Watford Clarendon Road Watford Junction Railway Station Garston Bus Garage Chiswell Green Three Hammers PH St Albans St Peter's Street St Albans City Railway Station Hatfield The Galleria Hatfield Town Centre Hatfield Railway Station Welwyn Garden City New QEII Hospital Welwyn Garden City Bus Station Panshanger Windhill Hertford North Railway Station Hertford Bus Station	1402 1424 1427 1430 1451 1459 1518	1315 1333 1345 1355 1403 1418 1423 1435 	1502 1538 1531 1541 1553 1601 1611 1622		1415 1433 1445 1455 1504 1519 1524 1538 1601		1448 1500 1510 1518 1533 1538 1559 1612 		1530 - 1548 1600 1610 1620 1638 1644 1658 1721 - - - -	0025 0035 0054 0102 0110 0117 0129 0134 0149 0156 		1555 - 1612 1621 1628 1637 1652 1658 1710 1718 1733 - - - - - -		1635 - 1654 1707 1717 1727 1746 1752 1809 1819 - - - -		1701 - 1719 1728 1735 1744 1759 1805 1817 1825 1838 - - - - -		1745 1806 1820 1828 1836 1851 1911 1919 1930 	 1935 1940 1953 1956 1959 2006 2017 2023 2032 2032	1800 - 1818 1827 1834 1843 1858 1904 1916 1924 1937 - - - - - - - - - -	1942 1947 2001 2003 2006 2013 2024 2031 2039 2046	1900 - 1918 1928 1936 1944 1956 2001 2011 2018 2026 - - - - -		2000 2016 2024 2032 2040 2052 2057 2106 2112	2000

	724 ¹	724 ²	724 ¹	724 ²	724 ¹	724 ²	724 ¹	724 ²	724 ¹	724 ²	724	724 ³
Heathrow Airport Heathrow Central Bus Station			2050	2050	-		2140	2140	-	-	2240	
Heathrow Airport Terminal 5 Heathrow Terminal 5	5	-	-	-	-			-	-	-	-	-
Uxbridge York Road (UB8)		-	2106	2106	-	-	2154	2154	-	-	2254	-
Denham Station Parade		-	2114	2114	-		2202	2202	-	-	2302	-
Maple Cross The Cross		-	2122	2122	-	-	2210	2210	-	-	2310	-
Rickmansworth Railway Station		-	2130	2130	-		2217	2217	-	-	2317	-
Watford Clarendon Road		-	2142	2142	-		2229	2229	-	-	2329	-
Watford Junction Railway Station		-	2147	2147	-		2234	2234	-	-	2334	-
Garston Bus Garage		-	2156	2156	-		2242	2242	-	-	2342	-
Chiswell Green Three Hammers PH		-	2202	2202	-		2249	2249	-	-	2349	-
St Albans St Peter's Street	2124	2124	2209	2209	2214	2214	2256	2256	2301	2301	2356	0001
St Albans City Railway Station	2128	2128	-	-	2218	2218		-	2305	2305	-	0005
Hatfield The Galleria	2141	2141	-	-	2231	2231		-	2316	2316		0016
Hatfield Town Centre	2144	2144	-	-	2234	2234		-	2319	2319	-	0019
Hatfield Railway Station	2147	2147	-	-	2237	2237		-	2322	2322		0022
Welwyn Garden City New QEII Hospital	2153	2153	-	-	2243	2243		-	2328	2328	-	0028
Welwyn Garden City Bus Station	2203	2203	-	-	2253	2253	-	-	2338	2338	-	0038
Panshanger Windhill	2209	2209	-	-	2259	2259		-	2343	2343	-	0043
Hertford North Railway Station	2217	2217	-	-	2307	2307	-	-	2351	2351	-	0051
Hertford Bus Station	2224	2224	-	-	2314	2314	-	-	2358	2358	-	0058
Ware Hertford Regional College	2230	2230	-	-	2320	2320	-	-	0004	0004	-	0104
Great Amwell Amwell Roundabout	2233	2233	-	-	2323	2323	-	-	0007	0007	-	0107
Harlow Town Centre Bus Station	2243	2243	-	-	2333	2333		-	0017	0017	-	0117

 $^{^{\}rm 1}$ Term Time Only $^{\rm 2}$ Only During School Holidays $^{\rm 3}$ Doesn't run on Mondays

Saturday - Heathrow Airport Heathrow Central Bus Station

	724	724	724	724	724	724	724	724	724	724	724	724	724	724	724	724	724	724	724	724	724	724	724	724	724
Harlow Town Centre Bus Station	0110		0315		0415	-	0505	-	0600	-	0645	-	0745	-	0845	-	0945	-	1045	-	1200		1300	-	1400
Great Amwell Amwell Roundabout	0121		0326		0426		0516	-	0611	-	0656	-	0756	-	0856	-	0956	-	1056		1211	-	1311	-	1411
Ware Hertford Regional College	0125		0330		0430		0520	-	0615	-	0700		0800	-	0900	-	1000	-	1100		1215		1315	-	1415
Hertford Bus Station	0131		0336		0436	-	0526	-	0625	-	0710	-	0811	-	0913	-	1013	-	1113	-	1228	-	1328	-	1428
Hertford North Railway Station	0135		0340		0440	-	0530	-	0629	-	0714	-	0816	-	0918	-	1018	-	1118	-	1233		1333	-	1433
Panshanger Windhill	0144		0349		0449	-	0539	-	0639	-	0724	-	0826	-	0928	-	1028	-	1128		1243		1343	-	1443
Welwyn Garden City Bus Station	0151		0356		0458	-	0547	-	0647	-	0732	-	0836	-	0938	-	1038	-	1138	-	1253		1353	-	1453
Welwyn Garden City New QEII Hospital	0158		0402		0504	-	0554	-	0654	-	0739	-	0844	-	0946	-	1046		1146	-	1301		1401	-	1501
Hatfield Railway Station	0205		0410		0512	-	0602	-	0702	-	0747	-	0853	-	0955	-	1055	-	1155	-	1310		1410	-	1510
Hatfield Town Centre	0208		0413		0515		0605	-	0705	-	0750		0856	-	0958	-	1058		1158		1313		1413	-	1513
Hatfield The Galleria	0211		0416		0518	-	0608	-	0708	-	0753	-	0859	-	1001	-	1101	-	1201	-	1316		1416	-	1516
St Albans City Railway Station	0223		0428		0530	-	0621	-	0721	-	0807	-	0913	-	1015	-	1115	-	1215	-	1330	-	1430	-	1530
St Albans St Peter's Street	0226	0231	0431	0436	0533	0538	0626	0631	0725	0730	0811	0816	0918	0923	1020	1025	1120	1125	1220	1225	1335	1340	1435	1440	1535
Chiswell Green Three Hammers PH		0238		0443		0545	-	0638	-	0737	-	0825	-	0932	-	1034	-	1134	-	1234	-	1349	-	1449	-
Garston Bus Garage		0245		0451		0553	-	0645	-	0745	-	0835	-	0942	-	1044	-	1144	-	1244	-	1359	-	1459	-
Watford Junction Railway Station		0256		0503		0605	-	0658	-	0757	-	0848	-	0955	-	1057	-	1157		1257	-	1412		1512	-
Watford Town Hall		0300		0507		0609	-	0703	-	0802	-	0853	-	1000	-	1102	-	1202	-	1302	-	1417	-	1517	-
Rickmansworth Railway Station		0309		0516		0619		0713	-	0812		0904	-	1013		1115	-	1215		1315		1430		1530	-
Maple Cross The Cross		0315		0525		0628	-	0722	-	0821	-	0913	-	1023	-	1125	-	1225	-	1325	-	1440	-	1540	-
Denham Station Parade		0321		0531		0634	-	0728	-	0827	-	0919	-	1029	-	1131	-	1231	-	1331	-	1446	-	1546	-
Uxbridge York Road (UB8)		0329		0539		0642	-	0736	-	0835	-	0927	-	1038	-	1140	-	1240		1340		1455		1555	-
Heathrow Airport Terminal 5 Heathrow Terminal 5	5	0345						-	-	-			-	-		-	-							-	-
Heathrow Airport Heathrow Central Bus Station	-	0355	-	0555	-	0703	-	0755	-	0854	-	0946	-	1058	-	1159	-	1259		1359	-	1514		1614	-

	724	724	724	724	724	724	724	724	724	724	724	724	724
Harlow Town Centre Bus Station		1500		1620		1740		1835	-	1930	-	2030	-
Great Amwell Amwell Roundabout		1511		1631		1751		1846	-	1941	-	2041	-
Ware Hertford Regional College		1515		1635		1755		1850	-	1945	-	2045	-
Hertford Bus Station		1528		1648		1804		1859	-	1954	-	2054	-
Hertford North Railway Station		1533		1653		1808		1903	-	1958	-	2058	-
Panshanger Windhill		1543		1703		1817		1912	-	2007	-	2107	-
Welwyn Garden City Bus Station		1553	-	1713	-	1827		1922	-	2015	-	2115	-
Welwyn Garden City New QEII Hospital	-	1601	-	1721	-	1836		1930	-	2022	-	2122	-
Hatfield Railway Station	-	1610	-	1730	-	1843		1937	-	2029	-	2129	-
Hatfield Town Centre		1613		1733		1846		1940	-	2032	-	2131	-
Hatfield The Galleria		1616		1736		1849		1943	-	2035	-	2133	-
St Albans City Railway Station		1630	-	1750	-	1901		1953	-	2045	-	2143	-
St Albans St Peter's Street	1540	1635	1640	1755	1800	1905	1910	1957	2002	2049	2054	2146	2154
Chiswell Green Three Hammers PH	1549	-	1649	-	1809	-	1918	-	2009	-	2101	-	2201
Garston Bus Garage	1559	-	1659	-	1819	-	1926	-	2016	-	2111	-	2210
Watford Junction Railway Station	1612	-	1712		1832		1939	-	2029	-	2124	-	2224
Watford Town Hall	1617	-	1717	-	1837	-	1943	-	2032	-	2127	-	2227
Rickmansworth Railway Station	1630		1730	-	1850	-	1952		2041	-	2136	-	2236
Maple Cross The Cross	1640	-	1740	-	1900	-	2000	-	2048	-	2143	-	2243
Denham Station Parade	1646	-	1746		1906		2005		2053	-	2148	-	2248
Uxbridge York Road (UB8)	1655	-	1755	-	1915	-	2013	-	2101	-	2156	-	2255
Heathrow Airport Terminal 5 Heathrow Terminal	5	-	-	-	-	-		-	-	-	-	-	-
Heathrow Airport Heathrow Central Bus Station	1714	-	1814	-	1933	-	2029	-	2117	-	2212	-	2310

Saturday - Harlow Town Centre Bus Station

	724	724	724	724	724	724	724	724	724	724	724	724	724	724	724	724	724	724	724	724	724	724	724	724	724
Heathrow Airport Heathrow Central Bus Station		0530		0630		0720		0810	-	0915	-	1015	-	1115	-	1215	-	1315	-	1415	-	1530	-	1630	1730
Heathrow Airport Terminal 5 Heathrow Terminal 5	5	-						-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
Uxbridge York Road (UB8)		0546		0646		0736		0829	-	0934	-	1034	-	1134	-	1234	-	1334	-	1434		1549	-	1647	1747
Denham Station Parade		0554		0654		0745		0838	-	0943	-	1043	-	1143	-	1243	-	1343	-	1443		1558	-	1656	1755
Maple Cross The Cross		0602		0702		0754		0847	-	0952	-	1052	-	1152	-	1252	-	1352	-	1452		1607	-	1705	1803
Rickmansworth Railway Station		0610		0710		0802		0855	-	1000	-	1100	-	1200	-	1300	-	1400	-	1500		1615	-	1712	1810
Watford Clarendon Road		0622		0722		0814		0909	-	1014	-	1114		1214	-	1314	-	1414	-	1514		1629	-	1725	1823
Watford Junction Railway Station		0627		0727		0819		0915	-	1020	-	1120		1220	-	1320	-	1420	-	1520		1635	-	1730	1828
Garston Bus Garage		0636		0736		0828		0927	-	1032	-	1132	-	1232	-	1332	-	1432	-	1532	-	1647	-	1742	1840
Chiswell Green Three Hammers PH		0643		0743		0835		0935	-	1040	-	1140		1240	-	1340	-	1440	-	1540		1655	-	1749	1847
St Albans St Peter's Street	0201	0650	0655	0750	0755	0845	0850	0948	0953	1053	1058	1153	1158	1253	1258	1353	1358	1453	1458	1553	1558	1708	1713	1801	1857
St Albans City Railway Station	0205		0700		0800		0855		1000	-	1105	-	1205	-	1305	-	1405	-	1505		1605		1720		-
Hatfield The Galleria	0216		0711		0811		0907	-	1016	-	1121	-	1221	-	1321	-	1421	-	1521		1621		1736	-	-
Hatfield Town Centre	0219	-	0714		0814		0910	-	1019	-	1124	-	1224	-	1324	-	1424	-	1524	-	1624	-	1739	-	-
Hatfield Railway Station	0222		0717		0817		0913	-	1022	-	1127	-	1227	-	1327	-	1427	-	1527		1627		1742	-	-
Welwyn Garden City New QEII Hospital	0228	-	0725		0825		0921	-	1030	-	1135	-	1235	-	1335	-	1435	-	1535		1635	-	1750	-	-
Welwyn Garden City Bus Station	0238		0735		0835		0932	-	1042	-	1147	-	1247	-	1347	-	1447	-	1547	-	1647	-	1802	-	-
Panshanger Windhill	0243		0742		0842		0939		1050	-	1155	-	1255	-	1355	-	1455	-	1555		1655		1810	-	-
Hertford North Railway Station	0251	-	0752		0852		0949	-	1100	-	1205	-	1305	-	1405	-	1505	-	1605		1705		1820	-	-
Hertford Bus Station	0258		0759		0859		0957		1108	-	1213	-	1313	-	1413	-	1513	-	1613		1713		1828	-	-
Ware Hertford Regional College	0304		0806		0906		1004	-	1115		1220	-	1320	-	1420	-	1520	-	1620		1720		1835	-	-
Great Amwell Amwell Roundabout	0307		0810		0910		1008		1119	-	1224	-	1324	-	1424	-	1524	-	1624		1724		1839	-	-
Harlow Town Centre Bus Station	0317	-	0820		0920		1018	-	1130	-	1235	-	1335	-	1435	-	1535	-	1635	-	1735	-	1850	-	-

	724	724	724	724	724	724	724	724	724	724	724	724	724
Heathrow Airport Heathrow Central Bus Station		1830		1945		2040		2140	-	2240	0025		-
Heathrow Airport Terminal 5 Heathrow Terminal 5								-	-	-	0035	-	-
Uxbridge York Road (UB8)		1847		2001		2056		2154	-	2254	0054	-	-
Denham Station Parade		1855		2009		2104		2202	-	2302	0102	-	-
Maple Cross The Cross		1903		2018		2113		2211	-	2311	0110	-	-
Rickmansworth Railway Station		1909		2024		2119		2217	-	2317	0117		-
Watford Clarendon Road	-	1922	-	2037	-	2132		2229	-	2329	0129	-	-
Watford Junction Railway Station	-	1927	-	2042	-	2137		2234	-	2334	0134	-	-
Garston Bus Garage	-	1938	-	2051	-	2146		2242	-	2342	0142	-	-
Chiswell Green Three Hammers PH		1945		2057		2152		2249	-	2349	0149		-
St Albans St Peter's Street	1902	1955	2000	2104	2109	2159	2204	2256	2301	2356	0156	1806	0001
St Albans City Railway Station	1907	-	2005	-	2113		2208	-	2305	-	-	1811	0005
Hatfield The Galleria	1919		2017		2126		2221	-	2316	-		1825	0016
Hatfield Town Centre	1922	-	2020	-	2129		2224		2319	-		1828	0019
Hatfield Railway Station	1925	-	2023	-	2132		2227	-	2322	-	-	1831	0022
Welwyn Garden City New QEII Hospital	1932	-	2030	-	2138		2233	-	2328	-	-	1838	0028
Welwyn Garden City Bus Station	1943	-	2041	-	2148		2243	-	2338	-	-	1849	0038
Panshanger Windhill	1949		2047		2154		2249		2343	-		1857	0043
Hertford North Railway Station	1958	-	2056	-	2202		2257	-	2351	-	-	1906	0051
Hertford Bus Station	2005		2103		2209		2304		2358	-		1913	0058
Ware Hertford Regional College	2011	-	2109	-	2215		2310	-	0004	-	-	1919	0104
Great Amwell Amwell Roundabout	2015	-	2113	-	2218		2313	-	0007	-	-	1923	0107
Harlow Town Centre Bus Station	2025	-	2123		2228		2323	-	0017	-	-	1933	0117

Sunday - Heathrow Airport Heathrow Central Bus Station

	724	724	724	724	724	724	724	724	724	724	724	724	724	724	724	724	724	724	724	72
Harlow Town Centre Bus Station	0110		0310		0510		0645		0845	-	1045	-	1245		1445		1725	-	2030	-
Great Amwell Amwell Roundabout	0121	-	0321		0521		0656		0856	-	1056	-	1256		1456		1736	-	2041	-
Ware Hertford Regional College	0125	-	0325	-	0525		0701	-	0901	-	1101	-	1301	-	1501	-	1741	-	2045	-
Hertford Bus Station	0131		0331		0532	-	0712	-	0912	-	1112	-	1312	-	1512	-	1752	-	2054	-
Hertford North Railway Station	0135		0335	-	0536	-	0718	-	0918	-	1118	-	1318	-	1518	-	1758	-	2058	-
Panshanger Windhill	0144		0344		0544		0727		0927	-	1127	-	1327		1527		1807	-	2107	-
Welwyn Garden City Bus Station	0151		0351		0551		0737		0937	-	1137	-	1337		1537		1817	-	2115	-
Welwyn Garden City New QEII Hospital	0158		0358		0558	-	0746	-	0946	-	1146	-	1346	-	1546	-	1824	-	2122	-
Hatfield Railway Station	0205	-	0405	-	0605		0754	-	0954	-	1154	-	1354	-	1554	-	1831	-	2129	-
Hatfield Town Centre	0208		0408		0608	-	0757	-	0957	-	1157	-	1357	-	1557	-	1833	-	2131	-
Hatfield The Galleria	0211	-	0411	-	0611		0800	-	1000	-	1200	-	1400	-	1600	-	1835	-	2133	
St Albans City Railway Station	0223		0423		0623	-	0814	-	1014	-	1214	-	1414	-	1614	-	1845	-	2143	-
St Albans St Peter's Street	0226	0231	0426	0431	0626	0632	0820	0825	1020	1025	1220	1225	1420	1425	1620	1625	1850	1855	2146	21
Chiswell Green Three Hammers PH	-	0238	-	0438		0639		0832	-	1032	-	1232	-	1432		1632	-	1902		22
Garston Bus Garage		0245		0445		0648		0844	-	1044	-	1244	-	1444		1644	-	1912		22
Watford Junction Railway Station	-	0256	-	0456	-	0702	-	0902	-	1102	-	1302	-	1502	-	1702	-	1925	-	22
Watford Town Hall		0300		0500		0706		0906	-	1106	-	1306	-	1506		1706	-	1928		22
Rickmansworth Railway Station		0309		0509	-	0716	-	0916	-	1116	-	1316	-	1516	-	1716	-	1937		22
Maple Cross The Cross	-	0315	-	0515		0725	-	0925	-	1125	-	1325	-	1525	-	1725	-	1945		22
Denham Station Parade	-	0321	-	0521	-	0731	-	0931	-	1131	-	1331	-	1531	-	1731	-	1950	-	22
Uxbridge York Road (UB8)	-	0329	-	0529	-	0739	-	0939	-	1139	-	1339	-	1539	-	1739	-	1958		22
Heathrow Airport Terminal 5 Heathrow Terminal 5	·	0345	-	0545	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-
Heathrow Airport Heathrow Central Bus Station	-	0355	-	0555	-	0755	-	0955	-	1155	-	1355	-	1555	-	1755	-	2013		23

Sunday - Harlow Town Centre Bus Station

	724	724	724	724	724	724	724	724	724	724	724	724	724	724	724	724	724	724	724	724	724
Heathrow Airport Heathrow Central Bus Station		0530		0705		0915		1115	-	1315	0025	-	1515	-	1715	-	1915	-	2125	-	-
Heathrow Airport Terminal 5 Heathrow Terminal 5				0715						-	0035									-	-
Uxbridge York Road (UB8)		0546		0733		0933		1133	-	1333	0054	-	1533	-	1733	-	1932	-	2142	-	-
Denham Station Parade		0554		0742		0942		1142		1342	0102		1542		1742		1940		2150	-	-
Maple Cross The Cross		0602		0748		0948		1148		1348	0110	-	1548		1748		1945	-	2155	-	-
Rickmansworth Railway Station		0610		0757		0957		1157	-	1357	0117	-	1557	-	1757	-	1953	-	2203	-	-
Watford Clarendon Road		0622		0812		1012		1212	-	1412	0129	-	1612	-	1812	-	2004	-	2214	-	-
Watford Junction Railway Station		0627		0817		1017		1217	-	1417	0134	-	1617	-	1817	-	2008	-	2218	-	-
Garston Bus Garage		0636		0829		1029		1229	-	1429	0142	-	1629	-	1829	-	2020	-	2228	-	-
Chiswell Green Three Hammers PH		0643		0837		1037		1237		1437	0149		1637		1837		2027		2235	-	-
St Albans St Peter's Street	0201	0650	0655	0852	0857	1052	1057	1252	1257	1452	0156	1457	1652	1657	1852	1857	2038	2043	2246	2251	0001
St Albans City Railway Station	0205		0700		0903		1103		1303	-	-	1503		1703		1902		2048		2256	0005
Hatfield The Galleria	0216		0711		0917		1117		1317	-	-	1517		1717		1914	-	2100		2306	0016
Hatfield Town Centre	0219		0714		0919		1119		1319	-	-	1519		1719		1916		2102		2310	0019
Hatfield Railway Station	0222		0717		0922		1122	-	1322	-	-	1522	-	1722	-	1918	-	2104		2312	0022
Welwyn Garden City New QEII Hospital	0228		0725		0930		1130	-	1330	-	-	1530	-	1730	-	1924	-	2110	-	2318	0028
Welwyn Garden City Bus Station	0238		0735		0942		1142	-	1342	-	-	1542	-	1742	-	1932	-	2118	-	2326	0038
Panshanger Windhill	0243		0742		0949		1149		1349	-	-	1549		1749		1937		2123		2331	0043
Hertford North Railway Station	0251		0752		0958		1158	-	1358	-	-	1558	-	1758	-	1946	-	2132	-	2340	0051
Hertford Bus Station	0258		0759		1005		1205		1405	-	-	1605		1805		1951		2135		2343	0058
Ware Hertford Regional College	0304		0806		1014		1214		1414	-	-	1614		1814		1958	-	2142		2350	0104
Great Amwell Amwell Roundabout	0307		0810		1018		1218	-	1418	-	-	1618	-	1818	-	2002	-	2145	-	2354	0107
Harlow Town Centre Bus Station	0317		0820		1029		1229	-	1429	-	-	1629	-	1829	-	2012	-	2155		0004	0117



New Greens/St Albans - Bricket Wood/Garston

361

MONDAY-FRIDAY								Fr	om 1st A	oril 2019
ROUTE VARIANT:	20	20	20		20	20	20	18	18	
New Greens, High Oaks Terminus	0825							1545		
St Albans, Green Lane, New Greens Ave	0828							1548		
St Albans, Harpenden Rd, Ancient Briton	0830							1550		
St Albans, St Peter's Street, Stop 5	0840	0940	1040		1240	1340	1440	1600	1720	
St Albans Abbey Railway Station, Stop A	0845	0945	1045		1245	1345	1445	1605	1726	
Chiswell Grn, Tippendell Ln, 3 Hammers PH (E)	0851	0951	1051		1251	1351	1451	1611	1732	
How Wood, Penn Rd, Shops, Stop 2	0855	0955	1055		1255	1355	1455	1616	1737	
Bricket Wood, West Riding, North Riding	0901	1001	1101		1301	1401	1501	1622	1743	
Bricket Wood, Victor Smith Court, Stop B	0903	1003	1103		1303	1403	1503			
Bricket Wood, Mt Pleasant Lane, School								1625	1746	
Garston, St Albans Rd, Bus Garage								1630		
MONDAY-FRIDAY										
ROUTE VARIANT:	19	24	24	24		24	24	15	4	
Garston, St Albans Rd, opp Bus Garage	0725								1638	
Bricket Wood, Mt Pleasant Lane, opp Sch	0735								1643	
Bricket Wood, Victor Smith Court, Stop B		0903	1003	1103		1303	1403	1503		
Bricket Wood, W Riding, opp North Riding	0739	0905	1005	1105		1305	1405	1505	1647	
How Wood, Penn Rd, Shops, Stop 1	0746	0911	1011	1111		1311	1411	1511	1653	
Chiswell Green, Watford Rd, 3 Hammers PH	0751	0915	1015	1115		1315	1415	1515	1658	
St Albans Abbey Railway Station, Stop B	0758	0920	1020	1120		1320	1420	1520	1704	
St Albans, St Peter's Street, Stop 14	I	0928	1028	1128		1328	1428		1712	
St Albans, St Peter's Street, Stop 11	0813							1530		
St Albans, Harpenden Rd, opp Ancient Briton	0817							1534		
St Albans, Green Ln, opp New Greens Ave	0819							1536		
New Greens, High Oaks Terminus	0824							1539		
CATURDAY										
SATURDAY	20	20	20		20	20	20	20	20	200
ROUTE VARIANT:	20	20	20		20	20	20	20	20	20
St Albans, St Peter's Street, Stop 5	0840	0940	1040		1240	1340	1440	1540	1640	1740
St Albans Abbey Railway Station, Stop A	0845	0945	1045		1245	1345	1445	1545	1645	1745
Chiswell Grn, Tippendell Ln, 3 Hammers PH (E)	0851	0951	1051		1251	1351	1451	1551	1651	1751
How Wood, Penn Rd, Shops, Stop 2	0855	0955	1055		1255	1355	1455	1555	1655	1755
Bricket Wood, West Riding, North Riding	0901	1001	1101		1301	1401	1501	1601	1701	1801
Bricket Wood, Victor Smith Court, Stop B	0903	1003	1103		1303	1403	1503	1603	1703	1803
SATURDAY										
ROUTE VARIANT:	24	24	24		24	24	24	24	24	
Bricket Wood, Victor Smith Court, Stop B	0903	1003	1103		1303	1403	1503	1603	1703	
Bricket Wood, W Riding, opp North Riding	0905	1005	1105		1305	1405	1505	1605	1705	
How Wood, Penn Rd, Shops, Stop 1	0911	1011	1111		1311	1411	1511	1611	1711	
Chiswell Green, Watford Rd, 3 Hammers PH	0915	1015	1115		1315	1415	1515	1615	1715	
St Albans Abbey Railway Station, Stop B	0920	1020	1120		1320	1420	1520	1620	1720	
St Albans, St Peter's Street, Stop 14	0928	1028	1128		1328	1428	1528	1628	1728	

Write to us: Red Eagle Buses, The Blinking Owl Garage, Oxford Road, Dinton, HP17 8TT

Email: <u>info@redeagle.org.uk</u>

All Enquiries to 01296 747926 Emergency line 07999 223359 Appendix SoCGT/3

Email from HCC Confirming a Preference for Bus Funding

Ref: 003_8230258_AJ Issue 3: 11 April 2023

David Kemp

From: Oliver Sowerby <

Sent: 18 August 2022 13:58

To: David Kemp

Cc: James Dale; Delafield, James; John Birch
Subject: RE: Land South of Chiswell Green Lane

Attachments: Transport Assessment Addendum June 2022.pdf

CAUTION: This email originated from outside of the organisation. Do not click or open attachments, if you suspect the content may not be safe.

David.

Thanks for this. I am content with the drawings.

With respect to the bus service, after some consideration (and in conjunction with the wider mitigation package), we have decided to opt for an increased frequency for existing services on Watford Road. I will seek to work this out with our bus planner, but in the first instance, a S106 contribution of £175k p.a. for five years may be fitting.

I note the polo club site to the north and James has recently provided comments. They issued the attached TAA.

In terms of Chiswell Green Lane, we would seek (for whichever site comes forward first), the off carriageway cycle route.

For the double mini roundabout, we are content with your scheme (similar to the polo club) and wouldn't need much adjustment to reflect the cycle route on Chiswell Green Lane.

For the Watford Road (cycle route) scheme that I sent over, we are seeking that your development delivers the improvements to the south of Chiswell Green Lane down to the Shell Garage, ideally via S278. Could you please let us know your thoughts on this?

We would ideally like this information to be presented in a TAA (similar to the polo club) and submitted back to the LPA. However, we can certainly review this before submission.

If anything isn't clear, I'm happy to schedule a meeting.

Thanks,

Oliver



Oliver Sowerby

Senior Development Officer | Development Management | Environment & Infrastructure

Hertfordshire County Council

County Hall, Pegs Lane, Hertford, SG13 8DE, Postal Point: CHN213

T: E:



Appendix SoCGT/4 Email from HCC Regarding the Bus Funding

Ref: 003_8230258_AJ Issue 3: 11 April 2023

David Kemp

From: James Dale <

Sent: 15 March 2023 16:24

To: David Kemp

Cc: Oliver Sowerby; Anthony Jones; John Birch; Deni Krevesic

Subject: RE: Chiswell Green Appeal - Bus Funding Queries

CAUTION: This email originated from outside of the organisation. Do not click or open attachments, if you suspect the content may not be safe.

Hi David

Our Passenger Transport Team provided the following response...

Hi James

Please find below the answers to the questions posed.

If you need any further information, please let me know.

Consequently, we are keen to understand exactly what HCC wish to use the funding for in case the Inspector asks. Therefore, please could you confirm the following:

- What is HCC's vision for this funding and what will it be put towards? The section of route between \$t
 Albans and Watford, which includes Chiswell Green, is a key component of the HCC Bus Service Improvement Plan.
- Why does the frequency of the bus service need to increase? As part of the BSIP proposals, this
 corridor is earmarked for a ten-minute 'turn up and go' frequency.
- Is the bus service likely to be viable after 5 years and how can we prove to the Inspector that it will be? With the funding earmarked by BSIP, further funding from elsewhere, and this s106 funding, it is anticipated that this service should be viable within this timeframe. The purpose of BSIP is to ensure that these funded improvements should lead to fully commercial operation by the end of the plan.
- Is there likely to be anything in the \$106 that will specify the future situation if the bus Is not viable? We do not feel that there will be alternatives within the \$106. As stated previously, we are confident that the increased frequency on the main road will be viable. There are likely to be future \$106 pots to help with any funding shortfall.

Regards Rob

From: David Kemp < DKemp@glanvillegroup.com>

Sent: 15 March 2023 11:58

To: James Dale <

Cc: Oliver Sowerby < >; Anthony Jones < >; John >; Deni Krevesic < >

Subject: Chiswell Green Appeal - Bus Funding Queries

Hi James,

I hope that you are well.

Appendix SoCGT/5

Technical Appendix 1 of the HCC Developer Contribution Guideline

Ref: 003_8230258_AJ Issue 3: 11 April 2023

Technical Appendix 1: Transport

1.0 Service Overview

- 1.1 The Hertfordshire County Council 4th Local Transport Plan (LTP4)¹ has developed strategies and plans for the county and the towns and areas within it which identifies the sustainable transport and accessibility measures for which contributions would be sought. The Hertfordshire Infrastructure Funding Prospectus (HIFP)² outlines a detailed list of projects necessary to support growth outlined within Local Plans, and a number of Growth & Transport Plans across the county are now in place to progress the delivery of such schemes.
- 1.2 LTP4 builds on current national planning guidance, with particular emphasis on paragraphs 108 110 of the National Planning Policy Framework 2019 (NPPF). These paragraphs set out how maximising accessibility by sustainable travel modes is one the key considerations in the 'severe' highways test of determining the acceptability of a proposed development. Planning obligations is one way to ensure developments achieve this, and can also be used to secure safe access/egress and minimise development-related impacts such as traffic congestion. The county council will actively seek planning obligations which will improve sustainable transport facilities and services for passenger transport users who are using the development and generally for those users in the surrounding area.
- 1.3 Measures necessary to mitigate against the impact of new developments should be identified through Transport Assessments (TAs) or via site specific negotiations. The thresholds at which a Transport Statement (TS) or a more comprehensive TA should form part of a planning application are set out in Chapter 7 of Section 1 of the highways design guide 'Roads in Hertfordshire'. For a residential development, more than 80 units usually require a TA, and for a B1 office development the figure is a gross floor area of 2500 square metres.
- 1.4 Smaller developments do not always require a TS or TA, but the cumulative impacts of such developments can be very significant and may well exceed those of larger developments in total. It is therefore justified to consider seeking a planning contribution, or relevant conditions, for all developments whatever their size, to ensure that accessibility by sustainable modes is maximised in line with the Hertfordshire LTP Policies and objectives, and other supporting material considerations, such as adopted Local Plans.
- 1.5 The county council intends to update the existing two strand approach to transport contributions. The immediate and specific impacts of larger developments are established via a TA and mitigated via S278 obligation, or

¹ https://www.hertfordshire.gov.uk/services/recycling-waste-and-environment/planning-in-hertfordshire/transport-planning/local-transport-plan.aspx

² https://www.hertfordshire.gov.uk/media-library/documents/environment-and-planning/planning/hertfordshire-infrastructure-and-funding-prospectus-2018-2031.pdf

funded via CIL/S106 agreement in the conventional way. This is the first strand of possible transport contributions.

1.6 The second strand should address the cumulative impacts of all development, large and small, facilitating delivery and enhancement of the necessary active and sustainable transport networks. These local sustainable networks must be provided in their entirety to provide the sustainable connections to the key trip generators, as such contributions will be pooled to fund these networks within the local area (subject to any legislative restrictions), as supported by National Planning Policy Framework (NPPF). This second strand contribution is intended to help implement broader transport measures in the catchments of new development from which contributions are secured. The need for second stand contributions will be balanced against the level of first strand contributions and any other relevant planning matters.

In areas without a Community Infrastructure Levy adopted, this second strand is the principal means of securing contributions towards broader sustainable transport infrastructure. At the time of publication, the second strand contribution generally does not apply in Dacorum, Hertsmere, Stevenage, Three Rivers and Watford as they have fully adopted CIL regimes in place.

1.7 Impacts of cross boundary sites will be considered on a case by case basis. It is anticipated that strategic development sites will require a bespoke package of transport measures and contributions.

2.0 Assessing need and calculating demand

- 2.1 CIL Regulation 122 (2)(c) makes it clear that any financial contribution sought should be fair and reasonable in proportion to the scale of the proposed development. As per other county council services, it is intended that a connection is made between the number of bedrooms of an individual dwelling and the scale of contribution.
- 2.2 The residential charge provides a benchmark against which non-residential charges can be set. The appropriate basis for comparison is some measure of transport and traffic impact; the greater that impact, the greater the need for accessibility measures. As with residential development, the likely number of trips for non-residential development will vary according to the proposed use of an individual site as identified in the TA and/or transport modelling.
- 2.3 Non-residential development will also contribute to traffic growth, attracting new travel activity to new facilities (e.g. leisure) and possibly from neighbouring authorities with less competitive attractions.
- 2.4 At this stage, it is not possible to analyse the likely quantum and location of future non-residential development to devise a matrix of non-residential based contributions. Non-residential charges should be levied on the basis that they should reflect likely transport impacts as per residential charges. In this case, the likely number of trips is again used as a proxy for transport and traffic impact.

- 2.5 A significant amount of highway infrastructure needs to be constructed across the county to support the amount of new development coming forward in a cumulative context. In line with the County Council's Local Transport Plan 4, much of this infrastructure will be designed to accommodate and actively encourage sustainable travel, and reduce dependence on the private motorcar. Reference should be made to policy 1 of LTP4 in particular.
- 2.6 The type, scale and likely cost of the necessary infrastructure will vary across the county depending on geographic location and specific circumstances/needs. The scale and quantum of transport infrastructure is constantly evolving as District & Borough Local Plans continue to be developed and reviewed. Accordingly the County Council's aspirations in this respect are also constantly evolving and listed within various strategies which sits beneath the LTP4. This includes, but is not limited to, Growth and Transport Plans, jointly developed area specific Transport Strategic to support Local Plans, the A414 Strategy, etc. As such, in order to meet the 'directly related' CIL test of any s106 request, it seems reasonable to break down the cost of these wider highway works to a district/borough level.
- 2.7 Section 6.0 sets out the strand 2 calculations and shows how much an individual dwelling within each District/Borough would need to pay to cumulatively cover the cost of delivering the wider necessary sustainable transport works within their area. However, it should be stressed that these figures are the starting point for S106 discussions, and each application needs to be considered on its own merits.
- 2.8 The exact and most appropriate amount of S106 contributions should be established through early discussions with the developer, ideally at the preapplication stage, and will be based on the specific circumstances of the development (such as its location, size, type, amount of off-site sustainable-travel works to be delivered by condition, and cost of HCC sustainable transport infrastructure schemes which are in the vicinity of the development). For example, the rationale behind calculating a suitable S106 contribution from a development which lies close to the border of an adjacent district/borough may have to consider the infrastructure needs of two districts/boroughs.
- 2.9 In some cases the most appropriate amount sought may be less than the headline figures in section 6.0 below; in other cases it might be more. The Highway Authority will provide a clear rationale in each case as to how S106 figures have been calculated and meet the 3 CIL tests (see paragraph 1.3.7 of the Guide).
- 2.10 Where a development genuinely cannot commit to paying a financial contribution to cover the cost of highway works which would normally be considered necessary due to financial viability issues, the Highway Authority will consider this in determining its consultation response. Generally, the Highway Authority will look to the Local Planning Authority for advice in this respect, as they hold the expertise to examine financial viability assessments of developments. It should be noted however that financial viability issues

- does not make a fundamentally unsustainable and/or unsafe development acceptable. See also paragraph 3.5 of the Guide.
- 2.11 All highway contributions are to be Index linked by SPON'S from January 2019, which is the point in time at which the figures were calculated. Contributions should be payable before commencement of the development wherever possible as trigger dates later than this carry additional risks for HCC. Exceptional circumstances should be demonstrated by the developer if alternative trigger points are proposed.
- 2.12 Some LPA's adopt their own S106 planning obligations approach, and these are usually published as SPDs on their websites. Where variation is evident, the more recent document usually takes precedence. However, each case is considered on its own merit, and where an obvious difference exists, discussion will take place with the LPA as to the most suitable approach.

3.0 Transport projects

- 3.1 In all cases, financial contributions will be passed directly by the developer to either the Highway Authority or the LPA as appropriate. Generally, payment direct to the Highway Authority is preferable as highway schemes are usually delivered by the Highway Authority, and direct funding avoids unnecessary delay.
- 3.2 Some highway works and sustainable transport measures are better delivered through planning condition rather than planning obligation. Indeed, paragraph 54 of the NPPF states that "Planning obligations should only be used where it is not possible to address unacceptable impacts through a planning condition".
- 3.3 Any requirements for highway works or sustainable infrastructure works as part of a planning condition should be in the form a Grampian condition and delivered through a S278 agreement with the Highway Authority, under the Highways Act 1980.
- 3.4 This method means that the Developer is responsible for designing and implementing the necessary highway measures following approval from the LPA. It also ensures that the necessary works are completed on time, and directly linked to a trigger point of the development, usually before first occupation or use. In exceptional circumstances, alternative or phased trigger points may be considered. In addition, the s278 route eliminates the risks associated with an s106 Agreement, which include the necessary works not being delivered on time, and possible overspend due to unexcepted costs further down the line.
- 3.5 The following items are often more suitably delivered through planning condition via a Section 278 agreement, though there may be occasions when a planning obligation is more appropriate:
 - works to ensure safe access and egress to a development;

- changes to the highway network to improve capacity or safety;
- smaller infrastructure such as bus stops/shelters/raised kerbing, and real time information displays;
- provision of amended highway networks, including roads/ cycleways/ footways.
- 3.6 The following items are more likely to be considered as appropriate for developer contributions, though there may be occasions when a planning condition is more appropriate:
 - subsidy to forward fund a new or enhanced bus service for a set period;
 - purchase or upgrade of vehicles on a bus service;
 - payment towards community transport services;
 - large infrastructure which requires partnership working with other organisations;
 - a highway measure or sustainable transport scheme which has already been identified by HCC, and towards which a pooled contribution can be justified. This is typically a scheme identified in the HCC's Local Transport Plan (LTP) and its supporting documents, Growth and Transport Plans (GTPs). Schemes in addition to these plans will be considered where they are identified in other recognised strategies and a need has been identified as a result of new development;
 - small-scale local improvements which would not be covered by the IDP and CIL funded items in CIL authorities;
 - The county council's reasonable costs in ensuring that travel plans are fully implemented;
 - The provision of new or improvement to existing Rights of Way or active travel routes within green infrastructure;
 - The county council's reasonable costs in ensuring that any developercreated Rights of Way meet required specifications.
- 3.7 Many of the schemes lists in paragraphs 3.5 and 3.6 form a key part in contributing to the Council's broader objectives of active and inclusive travel, future mobility, modal shift, place-making, use of innovative transport technology, etc.
- 3.8 Whilst this Guide provides a figure to determine what level of second strand contribution is reasonable in proportion to the scale of the proposed development, CIL tests state that any works/measures undertaken (whether they are delivered by planning condition or planning obligation) must be necessary to make the development acceptable in planning and directly related to the development. As such, any figure calculated according to the method above should be treated as a headline figure only, and the actual figure is dependent on the specific measures/works identified as absolutely necessary.
- 3.9 For second strand contributions, the Highway Authority will consider the cost to the developer of implementing of any measures necessary as part of a

condition. In some circumstances, it may be justified to factor this into the overall calculation.

4.0 Pre-Application Charges

4.1 The county council Highways Development Management Team encourages developers to have discussion before submitting a planning application. For up to date information and guidance on pre-application charges, please contact the county council as indicated in Chapter 5 (specifically paragraph 5.2.3) of the Guide.

5.0 Travel Plans

- 5.1 Travel Plans are a useful tool for enabling sustainable development, in particular for residential, commercial and school developments. Working in synergy with sustainable transport infrastructure provision and supported by local policy that encourages sustainable development, travel plans improve and promote access to, from and around development sites. The county council's requirements of travel plans can be found in the current Travel Plan Guidance, available on our website via this link.
- 5.2 In the delivery of schools, the county council will seek reference to the Modeshift STARS accreditation Framework, or any such replacement School Travel Plan accreditation framework. Further details are available via www.modeshiftstars.org. A School Travel Plan would contain practical measures to promote active, healthy, safe and sustainable travel to and from and in the vicinity of schools.
- 5.3 The county council will seek contributions towards its costs in providing Travel Plan Evaluation and Support throughout the travel plan implementation period for all developments requiring a Travel Plan or Travel Plan Statement.
- 5.4 The value of the contribution sought will be in accordance with the levels set out in the Travel Plan Guidance current at the time of application. The Travel Plan Evaluation and Support contribution will be index-linked from the date of agreement to the date of payment to the RPI and secured by a Section 106 agreement or Unilateral Undertaking.
- 5.5 The county council may seek additional contributions for large development that would fund and enable delivery of additional measures if the objectives or targets of the Travel Plan are not being met, or to mitigate observed impacts of the development on the transport network. The need for and specifics of these contributions would be determined on a case-by-case basis. The contribution would be included into the agreement along with any other contributions. Developers are encouraged to discuss this at an early stage.
- 5.6 Securing delivery of the approved travel plan should be written into the agreement. It is not current practice for the county council to seek financial contributions (as planning obligations) towards delivery of Travel Plans. Developers should fund, manage and deliver such measures, monitoring and

employ a Travel Plan Co-ordinator themselves, and these commitments should be written into the Travel Plan.

6.0 Strand 2

- 6.1 A guide to the strand 2 calculation is provided below:
 - a) HIFP Active Travel Funding Gap: £589,010,000
 - b) <u>HIFP</u> homes planned from 2017 2031: 83,530
 - c) HIFP jobs planned from 2017 2031: 44,650
 - d) Average bedrooms per dwelling, based on dwelling composition data from the SMART planning database (2002 to 2020): 2.35
 - e) 2019 National Travel Survey, average daily trip rate: 2.6³
 - f) 2019 National Travel Survey, average daily commuting trip rate: 0.384
 - g) <u>2018 Hertfordshire County Travel Survey</u>, proportions of non-car driver trips: 52%
 - h) Daily non-car driver trip rate: 1.4
 - i) Daily non-car driver trip employment rate: 0.2

Calculations*

- 1. Number of forecasted sustainable daily residential trips from 2017 to 2031:
 - a. (b * d) * h = 267,244
- 2. Number of forecasted sustainable daily non-residential trips from 2017 to 2031: c * i = 8,823
- 3. Proportion of funding gap based on residential and non-residential trips:
 - a. Total: 267,244 + 8,823 = 276,067
 - b. Residential: 267,244 / 276,067 = 97%
 - c. Non-residential: 8,823 / 276,067 = 3%
- 4. Residential and no residential contribution of the funding gap based on trips:
 - a. Residential: 97% of £589,010,000 = £570,185,769
 - b. Non-residential: 3% of £589,010,000 = £18,824,230
- 5. Contribution per dwelling based on forecasted residential development proportion required to meet Active Travel funding gap (cost per dwelling): £570,185,769 / 83,530 = £6,826

³ 2019 NTS0101: Trips, distance travelled and time taken: England. All Trips per annum: 953 (953/52/7 = 2.6).

⁴ 2019 NTS0403: Average number of trips, miles and time spent travelling by trip purpose: England. Commuting in 2019: 140 a year (140/52/7 = 0.38).

^{*}Please note numbers may not sum due to rounding.

- 6. Contribution per job based on forecasted non-residential development proportion required to meet Active Travel funding gap (cost per job): £18,824,230 / 44,650 = £422
- 7. Cost per non-car driver residential trip: £570,185,769 / 267,244 = **£2,133**
- 8. Cost per non-car driver non-residential trip: £18,824,230 / 8,823 = £2,133

Example 1: 500 residential dwelling

[S106 strand 2 Contribution a 500 residential development: 500 * £6,826 = £3,413,059]

[Daily trips of a 500 residential development: 500 * (d * h) = 1,600]

[Cost per trip of a 500 residential development: £3,413,059 / 1,600 = £2,133]

Example 2: a non-residential development creating 100 jobs

[S106 strand 2 Contribution: 100 * £422 = £42,159]

[Daily trips of a 100 non-residential development: 100 * i = 19.76]

[Cost per trip of a 100 non-residential development: £42,159 / 19.76 = £2,133]

Summary

6.2 Based on current evidence, the analysis concludes that each non-car driver trip should contribute £2,133 to S106 strand 2 contributions, which translates to £6,826 per each average residential dwelling and £422 per job.

Appendix SoCGT/6
LTN1/20 Extract

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Cycle Infrastructure Design





- In situations where high cycle and high pedestrian flows occur at different times (also see Figure 6.27).
- **6.5.7** Recommended minimum widths of shared use routes carrying up to 300 pedestrians per hour are given in Table 6-3. Wherever possible, and where pedestrian flows are higher, greater widths should be used to reduce conflict.

Table 6-3: Recommended minimum widths for shared use routes carrying up to 300 pedestrians per hour

Cycle flows	Minimum width
Up to 300 cyclists per hour	3.0m
Over 300 cyclists per hour	4.5m

- **6.5.8** Designers should be realistic about cyclists wanting to make adequate progress. The preferred approach for shared use routes is therefore to provide sufficient space so that cyclists can comfortably overtake groups of pedestrians and slower cyclists.
- **6.5.9** Research shows that cyclists alter their behaviour according to the density of pedestrians as pedestrian flows rise, cyclists tend to ride more slowly and where they become very high cyclists typically dismount.³⁰ It should therefore rarely be necessary to provide physical calming features to slow cyclists down on shared use routes, but further guidance on this, and reducing conflict more generally, is given in Chapter 8, section 8.2.

6.6 Cycling on bus and tram routes

Bus lanes

6.6.1 Cyclists are usually permitted to use with-flow and contraflow bus lanes. Whilst not specifically a cycle facility, bus lanes can offer some degree of segregation for cyclists as they significantly reduce the amount of interaction with motor traffic. However, they do not provide an environment attractive to a wide range of people and should therefore not be regarded as inclusive. Some bus lanes also allow taxis and motorcycles to use them, which can significantly increase traffic flows, thereby acting as a deterrent to cycling while also increasing risk of conflict.

- **6.6.2** Where cyclists are using bus lanes, the lane should be at least 4m wide, and preferably 4.5m, to enable buses to pass cyclists with sufficient room. Bus lanes less than 4m in width are not recommended and widths between 3.2m and 3.9m wide should not be used.
- **6.6.3** Cycle lanes or protected space for cycling may be provided within or adjacent to bus lanes where the overall width available is 4.5m or more see Figure 6.28. At bus stops a bus stop bypass or bus boarder arrangement may be appropriate (see 6.6.7).



Bus gates and bus-only roads

- **6.6.4** Bus gates are used to control routes and access to bus-only roads by preventing access by general traffic. Nearside bus gates and bus-only roads should by default be accessible by cyclists.
- **6.6.5** Bus gates may be implemented through the use of rising bollards, traffic signals or simply traffic signs. Where bus activated signals are used without a cycle bypass, it will be necessary to provide a means for cyclists to activate the signals. This may be achieved by a suitable means of detection or a pushbutton unit for cyclists to operate. Care should be taken to ensure push-buttons can be reached by cyclists who cannot dismount, including from a recumbent position.