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empd 2009 east midlands property developer limited

Residential Development
Larch Place, Kendray
For
keepmoat HOMES

Transport Statement

11085 December 2011

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Figure 1 **Site Location Plan**

Appendix A **Site Layout Drawing** – Ref: 11008-01 H

Appendix B **Bus Timetable Information**

Appendix C **TRICS Data – House for Rent (Social Housing)**

1.0 Introduction

1.1 This Transport Statement has been prepared on behalf of Keepmoat Homes, in respect of their planning application for a residential development, at Larch Place, Kendray, near Barnsley.

1.2 The proposed residential development consists of the construction of 43 units of social housing, ranging between 665sqft and 843sqft, totalling 32,643sqft.

1.3 A scoping exercise was carried out with Barnsley Metropolitan Borough Council (BMBC) in order to agree the scope of work required for the planning application. The Transport Statement has been prepared in accordance with the *Guidance on Transport Assessment*, (DfT 2007) and details agreed with BMBC.

1.4 The Transport Statement initially describes the existing conditions of the site and local road network. Following this, the access and sustainability of the site is demonstrated, considering the existing and proposed facilities for walking and cycling, and use of local public transport services.

1.5 The amount of additional traffic likely to be generated by the development proposals is quantified, in order to demonstrate the impact on the local highway network. The results of the assessment work are summarised with details of any mitigation measures considered necessary.

2.0 Existing Conditions

Location

2.1 The application site is located in Kendray, a village undergoing significant regeneration in South Yorkshire, 1km south-east of Barnsley Town Centre. The exact location of the site can be viewed on **Figure 1** located at the end of the Transport Statement.

Existing Land Use

2.2 Land use within the red boundary of the site is limited and is made up of underutilised open land, which contains two semi-detached houses at its border with Cypress Road. The site currently has access off Swanee Road via Larch Lane, which also provides access to housing directly beyond the eastern boundary. Larch Lane leads to a turning head located in the centre of the site and is lined on both sides by footways.

Local Area

2.3 A large proportion of the development site is located in-behind existing plots of housing, with a small pocket on the corner of Farm Road/ Masons Way reserved for 8 dwellings, also included in this application. The red boundary of the site can be viewed on Image 1, below.

2.4 The area surrounding the site predominantly consists of residential plots to the East and West. To the north of the site, beyond the housing on Swanee Road is Kendray Primary School, Oaks Park Primary Care Centre, Ashfield Medical Practice and an office development. To the south of the site, beyond housing on Farm Road is open land. A little to the east of this is Kendray Academy, which hosts a range of sports facilities including artificial and grass pitches.



Image 1: Site Red Boundary & Local Area

Local Highway Network



2.5 **Cypress Road** ranges from 7.0 to 7.5m wide within the vicinity of the application site and forms part of the local bus route. It is along this road that the new site access is proposed, between house no. 68 and no.74. The carriageway provides access to further residential units to the north and the A61 to the south, a main arterial route into Barnsley. There are 3.0m wide footways along the western side of the carriageway and 1.8m wide on its eastern side. Cypress Road has a 30mph speed limit and street lighting is positioned at 30m intervals.



2.6 **Farm Road** branches east off Cypress Road and runs parallel to the southern boundary of the site. The 880m long multifunction carriageway provides access to Barnsley Academy, multiple residential streets and Kendray Post Office at its junction with Birk Avenue. The carriageway is 7.0m wide with 2.0m wide footways along both sides with street lighting present at regular intervals. There is a significant amount of on-street parking along this route as a result of limited off-street facilities. Having said this, there is an area of secure communal parking located at its junction with Cypress Road.



2.7 **Larch Lane** is a no through road and only provides access to existing dwellings surrounding the development site; it is accessed off Swanee Road. Larch lane ends in a turning head, located in the centre of the site. The carriageway is currently 4.8m wide

with 1.8m wide footways along each side. There is currently a small amount of on-street parking associated with the dwellings bordering the east of the site.

3.0 Proposed Development

3.1 The proposed residential development consists of the construction of 45 units of social housing, ranging between 665sqft and 844sqft, totalling 34,028sqft at Larch Lane, Kendray.

3.2 Schedule of Accommodation:

House Type	Dwelling Size (SqFt)	No.
665: 2 bed semi/terrace	665	9
763: 3 bed semi/terrace	763	18
771: 3 bed terrace	771	7
828: 3 bed detached/semi	828	4
843: 3 bed detached	843	1
844: 3 bed detached	843	4
	Total: 32,643	**43**

3.3 The development proposals shown on the Site Layout Drawing (11008-01H) involve the repositioning of the Larch Place access from Swanee Road on the northern boundary of the site, to Cypress Road on the western boundary. The Swanee Road access will be replaced by two dwellings with a footway link located between the two plots. This will retain pedestrian access to Swanee Road and also act as an easement for services to the proposed and existing dwellings at Larch Place. These two houses will have direct vehicular access onto Swanee Road and will not need to use the new access into the main part of the site from Cypress Road.

3.4 The internal layout will partially utilise the existing Larch Place link, which will be widened to 5.5m and extended to link up with the new access. 2m wide footways will are proposed on either side of the internal road, which will tie in with the footways alongside the new vehicular access on Cypress Road and pedestrian access onto Swanee Road. Contrasting surfaces will extend from two turning heads off Larch

Place providing access to 8 of the new dwellings in the central part of the site and the existing dwellings bordering the eastern boundary.

3.5 To the south-east of the main site, is a pocket of land at the junction of Farm Road and Masons Way, which makes up part of this residential development. 8 of the 45 dwellings will be located on this land and are proposed to have 2 driveways each, providing direct access onto the road network.

3.6 A total of 86 car parking spaces are proposed for this development, with all but 6 of the 43 new dwellings being allocated 2 parking spaces. The car parking provision equates to two spaces per proposed dwelling, however, four spaces are allocated for existing dwellings to mitigate the need for on-street parking. These spaces are located adjacent to proposed plot 24 near the boundary with Swanee Road.

4.0 Access Arrangements

4.1 Vehicular access for the main part of the site is proposed via a new access road onto Cypress Road, between existing houses 68 and 74. This will involve the demolition of houses 70 and 72 Cypress Road.

4.2 The new access road is proposed to be 5.5m wide with 6.0m radii tying into the existing network. 2.0m wide footways will be provided on either side to enable pedestrians to access the site safely. The access will serve a total of 49 dwellings; this consists of 33 proposed dwellings in the main part of the site and 16 existing units along the eastern boundary. The site layout drawing provided in **Appendix A** includes the sighting of this access.

4.3 In addition to opening a new access onto Cypress Road, the proposals also include the removal of the Larch Lane access onto Swanee Road, which will become a pedestrian only access alongside proposed residential units.

5.0 Sustainable Travel Options

5.1 This section of the Transport Statement assesses the sustainable travel options available in close proximity to the residential site. It includes qualitative descriptions of travel characteristics of the existing site, including pedestrian and cyclist movements and facilities, where applicable. It also discusses existing public transport provision, frequency of services and locations of bus stops.

Walking

5.2 Although Kendray has a hilly topography and job opportunities may be located further afield, there is good scope for walking in the local area for access to schools and services. The most notable local facilities are Kendray Post Office on Birk Avenue, Barnsley Academy & AW pitches, Farm Road Community Centre and Boots Pharmacy at Oak Park Primary Care Centre. All of the above are located less than 1 km from the site and can be reached in less than 20 minutes on foot.

5.3 The development proposals include a new access out onto Cypress Road, which will include 2.0m wide footways aligning it that link onto existing footways. The roads in the area are usually lightly trafficked and the wide footways previously discussed provide safe access to nearby bus stops and schools. The network of street lights throughout the residential area contributes towards a safer environment for walking in hours of low light.

5.4 Cycling

5.5 There are no official cycle routes or facilities for cyclists in the immediate area surrounding the proposed residential site, however roads are lightly trafficked and considered to have enough width to provide for cyclists. Image 2 shows a regional map of official cycle routes and services. To the north of Kendray, at a distance of 500m from the development site, it is possible to access an off-road railway path via Oak Lane. This old railway path can be used to access facilities in Barnsley, including the Train Station and shopping district. The total cycling distance from the development site to Barnsley Town Centre using this route is 3km, which can be cycled in under 30 minutes.

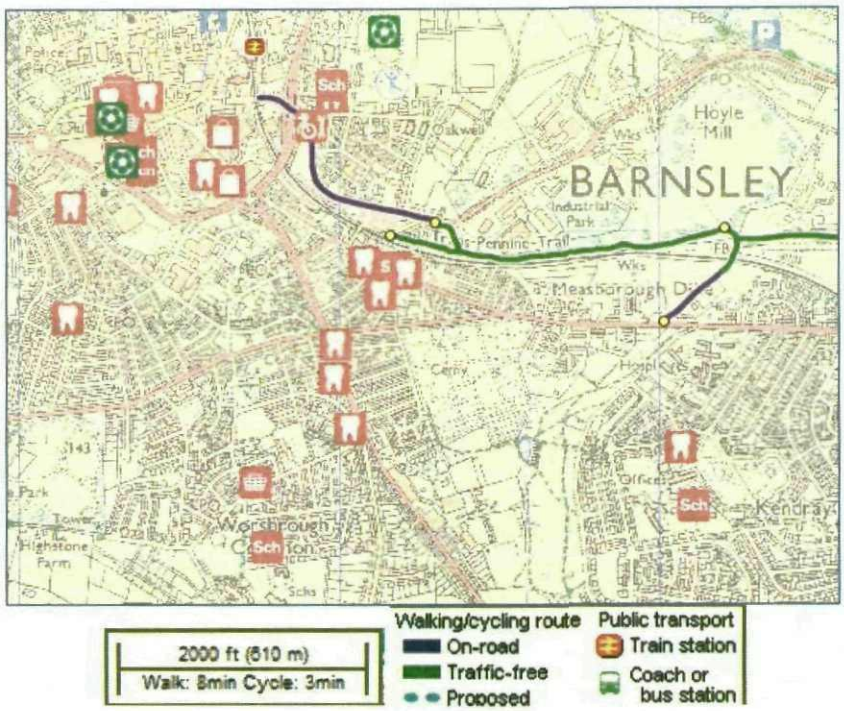


Image 2: Cycle Routes& Services (Sustrans, online)

Public Transport – Bus Services

5.6 The existing bus stops nearest to the proposed residential site are located on either side of Cypress Road, approximately 50m and 100m from the proposed site access, for the north bound and south bound services respectively. This distance to the nearest bus stops complies with the recommended distance of 400m, based on the Institute of Highways and Transportation's *Guidelines for Planning for Public Transport in Developments* (IHT 1999). The proposed network of existing footpaths previously discussed, will provide excellent pedestrian access to the no. 6 bus service.

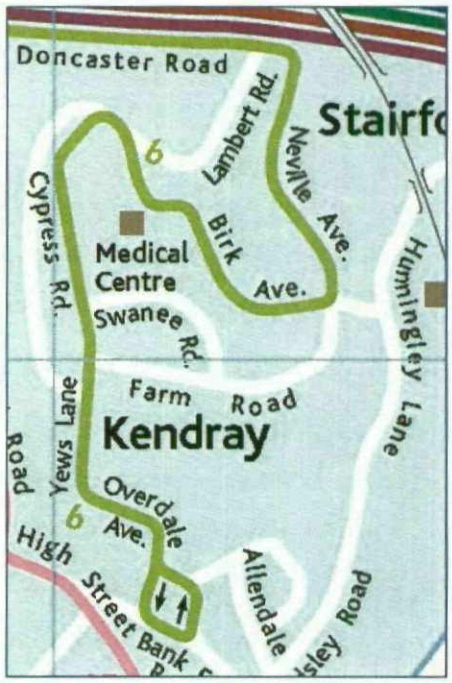


Image 3: Route of no.6 Bus Service

5.7 Image 3 is an extract of the regional bus map and shows the route of the no. 6 bus service run by Stagecoach from Barnsley, around Kendray and back to Barnsley Interchange via the Doncaster Road bus corridor. The fact that Kendray has a dedicated bus service means public transport is

more likely to be punctual and timetables easier to understand for new and potential users from the residential site. Table 2 summarises the bus route, service times and frequency for the no.6 service.

Table 2: Bus Service Summary

Bus Operator & Service	Route	Days	Times	Frequency
Stagecoach No.6	Barnsley Interchange – Kendray – Barnsley Interchange (Circular)	Mon – Fri	0545 - 2335	10 minutes
		Sat	0645 - 2335	10 minutes
		Sun	0948 - 2335	30 minutes

5.8 Table 2 shows that the number 6 bus route provides an ample service 7 days a week. The 10 minute frequency Monday to Saturday will give residents of the proposed units, the option to access work and leisure facilities using public transport. The extensive hours of operation are an additional benefit to residents and will suit a range of working hours.

Public Transport – Rail Services

5.9 Barnsley Rail Station is located approximately 2km from the residential site in Barnsley Town Centre. Although the Rail Station cannot be easily accessed on foot from the proposed site, the previously mentioned bus service is well integrated with the Rail Station at Barnsley Interchange on Eldon Street. The Railway Station can also be reach by bike in less than 30 minutes, as previously discussed.

5.10 Facilities at Barnsley Railway Station/ Interchange include partially sheltered cycle storage located at two points along both platforms, the bus station adjacent to Platform 1 and disabled parking. The Rail services operate frequently on the Hallam Line, during the day on Monday to Saturday there are three trains per hour northbound to Wakefield, Kirkgate, and Leeds. Two services are operated as "fast" therefore not stopping at some stations en route. During the evening and on Sundays there is generally an hourly service. These services could be attractive to residents wishing to commute long distances.

6.0 Travel Planning

6.1 Travel Plans have become an important element of working towards transport and sustainability policy objectives at the national, regional and local level, which are included in *Planning Policy Statement 1: Delivering Sustainable Development, Planning Policy Guidance 13: Transport*, the *South Yorkshire Local Transport Plan* (SYLTP).

6.2 Travel Plans are used to help provide and promote a safe and feasible range of more sustainable travel choices than single occupancy car journeys and also make a site more accessible to all, including those without access to a car and those with disabilities. The overall objectives of a Travel Plan are generally to:

- reduce the need to travel
- discourage single occupancy car journeys
- provide realistic alternatives to the car and make them more attractive
- encourage and promote the use of more sustainable modes of travel

6.3 BMBC did not request a full Travel Plan for this development; however, for completeness the travel planning issues have been addressed in this section of the Transport Statement. We consider that the site is in a sustainable location, and links to the existing travel facilities has been demonstrated.

6.4 The main travel planning objectives for this site are to ensure that:

- appropriate infrastructure is provided for access by all modes of transport
- all residents are made aware of the travel options available
- all residents are encouraged to make more sustainable travel choices

6.5 Sections 4.0 and 5.0 provide details of the site access arrangements and sustainable travel options. The site is in a sustainable location, with key employment areas in near proximity to the site and schools within easy walking and cycling distance. Therefore, the travel demands of residents are anticipated to include a significant proportion of short journeys by foot or cycle.

6.6 Kendray is made up of primarily minor residential roads, which are low trafficked and suitable for cycling. Wakefield Road (A61) is an official on-road cycle route and has the necessary facilities in place to support and encourage safe cycling. There is also a high standard and frequency of bus services to a variety of destinations, including major destinations such as Barnsley Town Centre and Wakefield.

6.7 For those who do need to use a car for some journeys, car sharing is a great way to share costs, reduce stress and cut pollution and congestion. The website www.southyorkshire.liftshare.com run by the regional councils has networking facilities to encourage and support car sharing in the area. The online database can be used to match people making similar journeys.

6.8 In order to raise awareness of the various travel options available, and promote sustainable travel choices, the developer could provide travel information packs to each dwelling as it becomes occupied. These could include local information for walking, cycling, public transport and car sharing, along with sources of further travel information.

7.0 Trip Generation

7.1 The TRICS database has been used to establish the likely trip rates and traffic generation associated with 43 proposed dwellings. Survey sites were filtered to remove unreliable data e.g. surveys in Greater London, Ireland and Scotland were removed. The data has been calculated using 4 survey sites for 'rented housing'. The 'rented housing' category in TRICS has been used in this assessment given that both the existing and proposed developments consist of social housing.

7.2 The basis of the traffic generation exercise, as agreed with BMBC, is to compare the trip generations associated with the proposed 43 dwellings against the existing use of 6 units. Therefore, as the exercise is a comparison exercise it is considered more relevant to use average trip rates.

7.3 Table 2 shows the average TRICS weekday vehicular trip rates for the assumed AM and PM peak hours for the local highway network (08:00-09:00 & 17:00-18:00). The table also illustrates the estimated amount of traffic associated with the proposed use of the site, based on a total of 43 houses. The trip rate printouts from TRICS can be found in **Appendix C**. In addition to the traffic generation from the proposed development, Table 2 also details the trip rates and associated traffic generation for the sites existing land use of 6 dwellings. The average trip rates enable a direct comparison between the peak hour traffic generation between the existing and proposed use on the site.

Table 3: TRICS Average Trip Rates & Associated Traffic Generation

Private Houses	AM 8-9			PM 5-6		
	In	Out	Totals	In	Out	Totals
Existing Housing						
Trip Rate (per unit)	0.097	0.187	0.284	0.223	0.164	0.387
Traffic Generation (6 units)	1	1	2	1	1	2
Proposed Housing						
Trip Rate (per unit)	0.097	0.187	0.284	0.223	0.164	0.387
Traffic Generation (43 units)	4	8	12	10	7	17
Net Traffic Increase	+3	+7	**+10**	+9	+6	**+15**

7.4 The average trip rates are provided in order to demonstrate a representative and robust assessment of the possible traffic movements under the existing and proposed scenarios.

7.5 The trip generation comparison in Table 3 shows there are likely to be increases of 10 trips in the AM peak and 15 trips in the PM peak associated with the additional 37 dwellings proposed at the site. The increase in traffic associated with the proposed dwellings is relatively large when compared to existing usage. However, the level of trip generation is considered immaterial and is unlikely to have any impact on traffic flow on the local road network.

8.0 Conclusion

8.1 This Transport Statement has been prepared on behalf of Keepmoat Homes, in respect of their planning application for a residential development, at Larch lane, Kendray, near Barnsley.

8.2 Land use within the red boundary of the site is currently limited and is made up of underutilised open land, which contains two semi-detached houses at its border with Cypress Road. The site currently has access off Swanee Road via Larch Lane, which also provides access to housing directly beyond the eastern boundary. Larch Lane leads to a turning head located in the centre of the site and is lined on both sides by footways.

8.3 The development proposals involve the repositioning of the Larch Place access from Swanee Road on the northern boundary of the site, to Cypress Road on the western boundary. The Swanee Road access will be replaced by four semi-detached dwellings with a footway link located between the two plots. This will retain pedestrian access to Swanee Road and also act as an easement for services to the proposed and existing dwellings at Larch Place. These four houses will have direct vehicular access onto Swanee Road and will not need to use the new access into the main part of the site from Cypress Road.

8.4 To the south-east of the main site, is a pocket of land at the junction of Farm Road and Masons Way, which makes up part of this residential development. 8 of the 43 dwellings will be located on this land and are proposed to have 2 driveways each, providing direct access onto the road network.

8.5 A total of 86 car parking spaces are proposed for this development, with all but 6 of the 43 new dwellings being allocated 2 parking spaces. Four spaces are allocated for existing dwellings to mitigate the need for on-street parking at Larch Place.

8.6 Vehicular access for the main part of the site is proposed via a new access road onto Cypress Road, between existing houses 68 and 74. The new access will serve a total of 49 dwellings, this consists of 33 proposed dwellings in the main part of the site and 16 existing along the eastern boundary.

8.7 The most notable local facilities are Kendray Post Office on Birk Avenue, Barnsley Academy & AW pitches, Farm Road Community Centre and Boots Pharmacy at Oak Park Primary Care Centre. All of the above are located less than 1 km from the site and can be reached in less than 20 minutes on foot.

8.8 There are no official cycle routes or facilities for cyclists in the immediate area surrounding the proposed residential site, however roads are lightly trafficked and considered to have enough width to provide for cyclists. To the north of Kendray; at a distance of 500m from the development site, it is possible to access an off-road railway path via Oak Lane.

8.9 The number 6 bus route run by Stagecoach provides an ample service 7 days a week. The 10 minute frequency Monday to Saturday will give residents of the proposed units, the option to access work and leisure facilities using public transport. The long hours of operation are an additional benefit to residents and will suit a large range of working hours.

8.10 The trip generation comparison found that there are likely to be increases of 10 trips in the AM peak and 15 trips in the PM peak associated with the additional 39 dwellings proposed at the site. Although the increase in traffic associated with the proposed dwellings is relatively large when compared to existing usage, the trip generation is still low enough to be considered as having an immaterial impact on the local road network. Furthermore, no migration measures were considered necessary for the proposed residential development.

8.11 In light of the above, the proposed development is considered to be acceptable in highway terms.

For and on behalf of BSP Consulting

Matthew Addison BA (Hons) AMCIHT
Transport Planner

Jason Davenport BEng (Hons) MCIHT
Associate Director Transportation



Site Location

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A4

0 10 20 30 40

Millimetres At Original Drawing Size

Rev	Description	Date	Drawn	Appr

• CIVIL • STRUCTURAL • TRANSPORTATION • GEOTECHNICAL • ENVIRONMENTAL

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Drawing Status: FOR INFORMATION

Client: KEEPMOAT HOMES

Project Title: Residential Development, Larch Lane, Kendray

Drawing Title: Site Location Plan

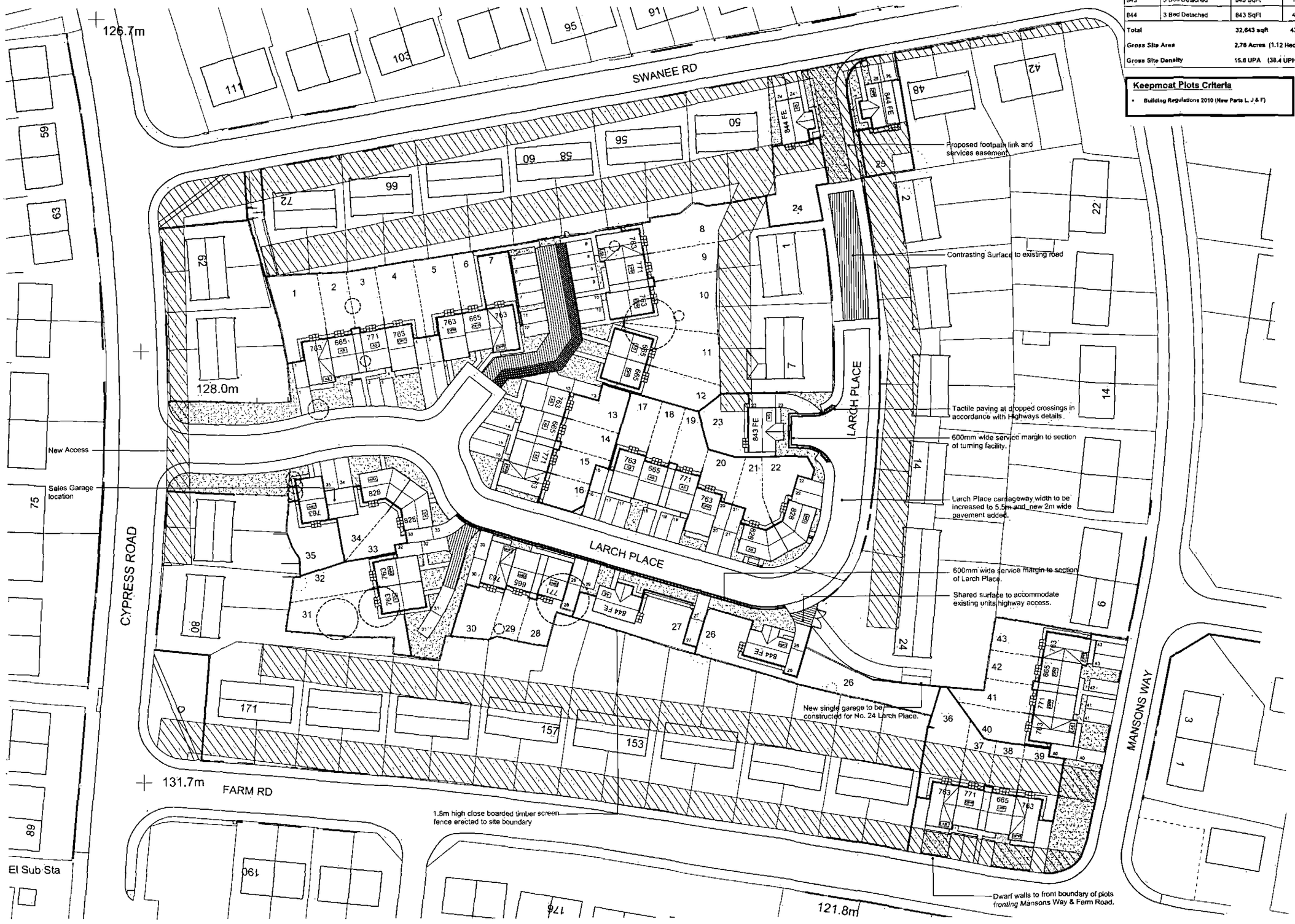
Drawn By:	MJA	Checked By:	JAD	Scale:	NTS
Project Engineer:	JAD	Approved By:	MWR	Date:	June 2011

Drawing Number: FIGURE 1

Revision: /

APPENDIX A
SITE LAYOUT PLAN

Larch Place, Kendray



Schedule Of Accommodation			
House Type		Size	No.
665	2 Bed Semi / Terrace	665 SqFt	9No.
763	3 Bed Semi / Terrace	763 SqFt	18No.
771	3 Bed Terrace	771 SqFt	7No.
828	3 Bed Detached / Semi	828 SqFt	4No.
843	3 Bed Detached	843 SqFt	1No.
844	3 Bed Detached	843 SqFt	4No.
Total		32,643 sqft	43No
Gross Site Area		2.76 Acres (1.12 Hec)	
Gross Site Density		15.6 UPA (38.4 UPH)	

Keepmoat Plots Criteria

- Building Regulations 2010 (New Parts L, J & F)

- The Copyright of this drawing belongs to MPSL Planning & Design Ltd and shall not be used or reproduced in any form without its express permission.
- Do not scale from this drawing - Work to figured dimensions only. All dimensions to be checked on site prior to the execution of any work.
- For the avoidance of doubt all dimensions are measured to wall structure and not the finishes unless otherwise stated.
- Where any discrepancy is found to exist within or between drawings and/or documents it should be reported to the architect immediately.
- MPSL Planning & Design Ltd. shall not be liable for any use of drawings and documents for any purpose other than for which the same were prepared by or on behalf of MPSL Planning & Design Ltd.

N

Key:

- Denotes existing trees to be retained
- Denotes trees to be removed
- Denotes grass
- Denotes shared surface area
- Denotes sewers easements
- 1.8m high screen wall
- 1.8m high close boarded fence
- 1.0m high railings
- 0.9m high Plot divisional fence

Note: Refer to PDP landscaping scheme for tree positions.

Rev.	Date	Revision	Initial
H	Nov 11	Footpath to turning head in front of plot 23, omitted & replaced with hard paved margin. Plots 35-39 amended. Plots 1-12 amended.	dh
G	Oct 11	Minor amends to dwelling positions, boundary alterations and extension to turning facility to front of plots 5-7. Plot 28 changes to 771.	dh
F	Sept 11	Plot 28 boundary revised to suit topographical survey. Plot 25's footpath handed.	sh
E	Aug 11	Easement shown for existing drainage. Plots 24 & 25 moved forward towards Swanee Rd. Plot 23 drive handed.	sh
D	May 11	Layout amended to incorporate comments raised in Council Pre-app meeting	dh
C	Mar 11	Keepmoat Homes comments added which included footpath amendments, additional walls and dividing fence amendments.	sbo
B	Mar 11	Keepmoat Homes comments added which included driveway amendments to a number of plots.	sbo
A	Mar 11	Keepmoat Homes comments added which included the replacement of the 836 house type with the 763 house type.	sbo

Client: keepmoat HOMES

Drawing Title: PROPOSED SITE LAYOUT
Larch Place, Kendray

Project: Proposed residential Development at Larch Place, Kendray

Job No	Drg No	Stage	
11008	01	FOR APPROVAL	
Scale	Date	Drawn	Rev
1:500 @ A2	Feb 2011	MPSL	H

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APPENDIX B
BUS TIMETABLE INFORMATION

Stagecoach in Yorkshire

Days of Operation **MONDAY TO FRIDAY** Commencing **18/07/09**

Service Number **006**

Service Description **Barnsley - Kendray**

Service No.	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Barnsley Interchange	0545	0615	0645	0700	0715	0722	0732	0742	0752	0802	0812	0822	0832	0842	0852	0902	0912	0922	0932	0942
Kendray, Neville Avenue shops	0553	0623	0653	0708	0723	0731	0741	0751	0801	0811	0821	0831	0841	0851	0901	0911	0921	0931	0941	0951
Kendray, Medical Centre	0555	0626	0656	0711	0726	0735	0745	0755	0805	0815	0825	0835	0845	0855	0905	0915	0925	0935	0945	0955
Yews Lane	0557	0629	0659	0714	0729	0740	0750	0800	0810	0820	0830	0840	0850	0900	0910	0920	0930	0940	0950	1000
Worsbrough Bank End Avenue	0559	0632	0702	0717	0732	0743	0753	0803	0813	0823	0833	0843	0853	0903	0913	0923	0933	0943	0953	1003
Yews Lane	0601	0635	0705	0720	0735	0747	0757	0807	0817	0827	0837	0847	0857	0907	0917	0927	0937	0947	0957	1007
Kendray, Medical Centre	0603	0638	0708	0723	0738	0752	0802	0812	0822	0832	0842	0852	0902	0912	0922	0932	0942	0952	1002	1012
Kendray, Neville Avenue shops	0605	0641	0711	0726	0741	0755	0805	0815	0825	0835	0845	0855	0905	0915	0925	0935	0945	0955	1005	1015
Barnsley Interchange	0614	0650	0720	0735	0750	0805	0815	0825	0835	0845	0855	0905	0915	0925	0935	0945	0955	1005	1015	1025

Service No.	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Barnsley Interchange	0952	1002	1012	1022	1032	1042	1052	1102	1112	1122	1132	1142	1152	1202	1212	1222	1232	1242	1252	1302
Kendray, Neville Avenue shops	1001	1011	1021	1031	1041	1051	1101	1111	1121	1131	1141	1151	1201	1211	1221	1231	1241	1251	1301	1311
Kendray, Medical Centre	1005	1015	1025	1035	1045	1055	1105	1115	1125	1135	1145	1155	1205	1215	1225	1235	1245	1255	1305	1315
Yews Lane	1010	1020	1030	1040	1050	1100	1110	1120	1130	1140	1150	1200	1210	1220	1230	1240	1250	1300	1310	1320
Worsbrough Bank End Avenue	1013	1023	1033	1043	1053	1103	1113	1123	1133	1143	1153	1203	1213	1223	1233	1243	1253	1303	1313	1323
Yews Lane	1017	1027	1037	1047	1057	1107	1117	1127	1137	1147	1157	1207	1217	1227	1237	1247	1257	1307	1317	1327
Kendray, Medical Centre	1022	1032	1042	1052	1102	1112	1122	1132	1142	1152	1202	1212	1222	1232	1242	1252	1302	1312	1322	1332
Kendray, Neville Avenue shops	1025	1035	1045	1055	1105	1115	1125	1135	1145	1155	1205	1215	1225	1235	1245	1255	1305	1315	1325	1335
Barnsley Interchange	1035	1045	1055	1105	1115	1125	1135	1145	1155	1205	1215	1225	1235	1245	1255	1305	1315	1325	1335	1345

Stagecoach in Yorkshire

Days of Operation **MONDAY TO FRIDAY** Commencing **18/07/09**

Service Number **006**

Service Description **Barnsley - Kendray**

Service No.	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Barnsley Interchange	1312	1322	1332	1342	1352	1402	1412	1422	1432	1442	1452	1502	1512	1522	1532	1542	1552	1602	1612	1625
Kendray, Neville Avenue shops	1321	1331	1341	1351	1401	1411	1421	1431	1441	1451	1501	1511	1521	1531	1541	1551	1601	1611	1621	1634
Kendray, Medical Centre	1325	1335	1345	1355	1405	1415	1425	1435	1445	1455	1505	1515	1525	1535	1545	1555	1605	1615	1625	1638
Yews Lane	1330	1340	1350	1400	1410	1420	1430	1440	1450	1500	1510	1520	1530	1540	1550	1600	1610	1620	1630	1643
Worsbrough Bank End Avenue	1333	1343	1353	1403	1413	1423	1433	1443	1453	1503	1513	1523	1533	1543	1553	1603	1613	1623	1633	1646
Yews Lane	1337	1347	1357	1407	1417	1427	1437	1447	1457	1507	1517	1527	1537	1547	1557	1607	1617	1627	1637	1650
Kendray, Medical Centre	1342	1352	1402	1412	1422	1432	1442	1452	1502	1512	1522	1532	1542	1552	1602	1612	1622	1632	1642	1655
Kendray, Neville Avenue shops	1345	1355	1405	1415	1425	1435	1445	1455	1505	1515	1525	1535	1545	1555	1605	1615	1625	1635	1645	1658
Barnsley Interchange	1355	1405	1415	1425	1435	1445	1455	1505	1515	1525	1535	1545	1555	1605	1615	1625	1635	1645	1655	1708

Service No.	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Barnsley Interchange	1635	1645	1655	1705	1715	1725	1735	1745	1805	1825	1838	1908	1938	2008	2038	2108	2138	2208	2238	2308
Kendray, Neville Avenue shops	1644	1654	1704	1714	1724	1734	1744	1754	1813	1833	1845	1915	1945	2015	2045	2115	2145	2215	2245	2315
Kendray, Medical Centre	1648	1658	1708	1718	1728	1738	1748	1758	1816	1835	1847	1917	1947	2017	2047	2117	2147	2217	2247	2317
Yews Lane	1653	1703	1713	1723	1733	1743	1753	1803	1819	1838	1849	1919	1949	2019	2049	2119	2149	2219	2249	2319
Worsbrough Bank End Avenue	1656	1706	1716	1726	1736	1746	1756	1806	1822	1841	1851	1921	1951	2021	2051	2121	2151	2221	2251	2321
Yews Lane	1700	1710	1720	1730	1740	1750	1800	1810	1825	1843	1853	1923	1953	2023	2053	2123	2153	2223	2253	2323
Kendray, Medical Centre	1705	1715	1725	1735	1745	1755	1805	1815	1828	1846	1855	1925	1955	2025	2055	2125	2155	2225	2255	2325
Kendray, Neville Avenue shops	1708	1718	1728	1738	1748	1758	1808	1818	1831	1848	1857	1927	1957	2027	2057	2127	2157	2227	2257	2327
Barnsley Interchange	1718	1728	1738	1748	1758	1808	1818	1828	1840	1857	1905	1935	2005	2035	2105	2135	2205	2235	2305	2335

Stagecoach in Yorkshire

Days of Operation **SATURDAYS** Commencing **18/07/09**

Service Number **006**

Service Description **Barnsley - Kendray**

Service No.	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Barnsley Interchange	0645	0720	0740	0800	0820	0840	0850	0900	0910	0920	0930	0940	0950	1000	1010	1020	1030	1040	1050	1100
Kendray, Neville Avenue shops	0652	0728	0748	0808	0828	0848	0858	0909	0919	0929	0939	0949	0959	1009	1019	1029	1039	1049	1059	1109
Kendray, Medical Centre	0654	0731	0751	0811	0831	0851	0901	0913	0923	0933	0943	0953	1003	1013	1023	1033	1043	1053	1103	1113
Yews Lane	0656	0734	0754	0814	0834	0854	0904	0918	0928	0938	0948	0958	1008	1018	1028	1038	1048	1058	1108	1118
Worsbrough Bank End Avenue	0658	0737	0757	0817	0837	0857	0907	0921	0931	0941	0951	1001	1011	1021	1031	1041	1051	1101	1111	1121
Yews Lane	0700	0740	0800	0820	0840	0900	0910	0925	0935	0945	0955	1005	1015	1025	1035	1045	1055	1105	1115	1125
Kendray, Medical Centre	0702	0743	0803	0823	0843	0903	0913	0930	0940	0950	1000	1010	1020	1030	1040	1050	1100	1110	1120	1130
Kendray, Neville Avenue shops	0704	0746	0806	0826	0846	0906	0916	0933	0943	0953	1003	1013	1023	1033	1043	1053	1103	1113	1123	1133
Barnsley Interchange	0712	0755	0815	0835	0855	0915	0925	0943	0953	1003	1013	1023	1033	1043	1053	1103	1113	1123	1133	1143

Service No.	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Barnsley Interchange	1110	1120	1130	1140	1150	1200	1210	1220	1230	1240	1250	1300	1310	1320	1330	1342	1354	1406	1418	1430
Kendray, Neville Avenue shops	1119	1129	1139	1149	1159	1209	1219	1229	1239	1249	1259	1309	1319	1329	1339	1351	1403	1415	1427	1439
Kendray, Medical Centre	1123	1133	1143	1153	1203	1213	1223	1233	1243	1253	1303	1313	1323	1333	1343	1355	1407	1419	1431	1443
Yews Lane	1128	1138	1148	1158	1208	1218	1228	1238	1248	1258	1308	1318	1328	1338	1348	1400	1412	1424	1436	1448
Worsbrough Bank End Avenue	1131	1141	1151	1201	1211	1221	1231	1241	1251	1301	1311	1321	1331	1341	1351	1403	1415	1427	1439	1451
Yews Lane	1135	1145	1155	1205	1215	1225	1235	1245	1255	1305	1315	1325	1335	1345	1355	1407	1419	1431	1443	1455
Kendray, Medical Centre	1140	1150	1200	1210	1220	1230	1240	1250	1300	1310	1320	1330	1340	1350	1400	1412	1424	1436	1448	1500
Kendray, Neville Avenue shops	1143	1153	1203	1213	1223	1233	1243	1253	1303	1313	1323	1333	1343	1353	1403	1415	1427	1439	1451	1503
Barnsley Interchange	1153	1203	1213	1223	1233	1243	1253	1303	1313	1323	1333	1343	1353	1403	1413	1425	1437	1449	1501	1513

Stagecoach in Yorkshire

Days of Operation **SATURDAYS** Commencing **18/07/09**

Service Number **006**

Service Description **Barnsley - Kendray**

Service No.	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Barnsley Interchange	1442	1454	1506	1518	1530	1542	1554	1606	1618	1630	1642	1654	1706	1718	1730	1745	1805	1825	1838	1908
Kendray, Neville Avenue shops	1451	1503	1515	1527	1539	1551	1603	1615	1627	1639	1651	1703	1715	1727	1739	1753	1813	1833	1845	1915
Kendray, Medical Centre	1455	1507	1519	1531	1543	1555	1607	1619	1631	1643	1655	1707	1719	1731	1743	1756	1816	1835	1847	1917
Yews Lane	1500	1512	1524	1536	1548	1600	1612	1624	1636	1648	1700	1712	1724	1736	1748	1759	1819	1838	1849	1919
Worsbrough Bank End Avenue	1503	1515	1527	1539	1551	1603	1615	1627	1639	1651	1703	1715	1727	1739	1751	1802	1822	1841	1851	1921
Yews Lane	1507	1519	1531	1543	1555	1607	1619	1631	1643	1655	1707	1719	1731	1743	1755	1805	1825	1843	1853	1923
Kendray, Medical Centre	1512	1524	1536	1548	1600	1612	1624	1636	1648	1700	1712	1724	1736	1748	1800	1808	1828	1846	1855	1925
Kendray, Neville Avenue shops	1515	1527	1539	1551	1603	1615	1627	1639	1651	1703	1715	1727	1739	1751	1803	1811	1831	1848	1857	1927
Barnsley Interchange	1525	1537	1549	1601	1613	1625	1637	1649	1701	1713	1725	1737	1749	1801	1813	1820	1840	1857	1905	1935

Service No.	6	6	6	6	6	6	6	6
Barnsley Interchange	1938	2008	2038	2108	2138	2208	2238	2308
Kendray, Neville Avenue shops	1945	2015	2045	2115	2145	2215	2245	2315
Kendray, Medical Centre	1947	2017	2047	2117	2147	2217	2247	2317
Yews Lane	1949	2019	2049	2119	2149	2219	2249	2319
Worsbrough Bank End Avenue	1951	2021	2051	2121	2151	2221	2251	2321
Yews Lane	1953	2023	2053	2123	2153	2223	2253	2323
Kendray, Medical Centre	1955	2025	2055	2125	2155	2225	2255	2325
Kendray, Neville Avenue shops	1957	2027	2057	2127	2157	2227	2257	2327
Barnsley Interchange	2005	2035	2105	2135	2205	2235	2305	2335

Stagecoach in Yorkshire

Days of Operation **SUNDAYS** Commencing **18/07/09**

Service Number **006**

Service Description **Barnsley - Kendray**

Service No.	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Barnsley Interchange	0948	1018	1048	1118	1148	1218	1248	1318	1348	1418	1448	1518	1548	1618	1648	1718	1738	1808	1838	1908
Kendray, Neville Avenue shops	0956	1026	1056	1126	1156	1226	1256	1326	1356	1426	1456	1526	1556	1626	1656	1725	1745	1815	1845	1915
Kendray, Medical Centre	0959	1029	1059	1129	1159	1229	1259	1329	1359	1429	1459	1529	1559	1629	1659	1727	1747	1817	1847	1917
Yews Lane	1002	1032	1102	1132	1202	1232	1302	1332	1402	1432	1502	1532	1602	1632	1702	1729	1749	1819	1849	1919
Worsbrough Bank End Avenue	1005	1035	1105	1135	1205	1235	1305	1335	1405	1435	1505	1535	1605	1635	1705	1731	1751	1821	1851	1921
Yews Lane	1008	1038	1108	1138	1208	1238	1308	1338	1408	1438	1508	1538	1608	1638	1708	1733	1753	1823	1853	1923
Kendray, Medical Centre	1011	1041	1111	1141	1211	1241	1311	1341	1411	1441	1511	1541	1611	1641	1711	1735	1755	1825	1855	1925
Kendray, Neville Avenue shops	1014	1044	1114	1144	1214	1244	1314	1344	1414	1444	1514	1544	1614	1644	1714	1737	1757	1827	1857	1927
Barnsley Interchange	1022	1052	1122	1152	1222	1252	1322	1352	1422	1452	1522	1552	1622	1652	1722	1745	1805	1835	1905	1935

Service No.	6	6	6	6	6	6	6	6
Barnsley Interchange	1938	2008	2038	2108	2138	2208	2238	2308
Kendray, Neville Avenue shops	1945	2015	2045	2115	2145	2215	2245	2315
Kendray, Medical Centre	1947	2017	2047	2117	2147	2217	2247	2317
Yews Lane	1949	2019	2049	2119	2149	2219	2249	2319
Worsbrough Bank End Avenue	1951	2021	2051	2121	2151	2221	2251	2321
Yews Lane	1953	2023	2053	2123	2153	2223	2253	2323
Kendray, Medical Centre	1955	2025	2055	2125	2155	2225	2255	2325
Kendray, Neville Avenue shops	1957	2027	2057	2127	2157	2227	2257	2327
Barnsley Interchange	2005	2035	2105	2135	2205	2235	2305	2335

WELCOME

...to Stagecoach Yorkshire

Stagecoach Yorkshire operates an extensive network of bus services in South Yorkshire including Barnsley, Rotherham, Doncaster, across the Dearne Valley and into parts of West Yorkshire.

At Stagecoach Yorkshire we are continuously striving to improve your bus services. Listening to customer opinion and feedback means that we regularly review and evaluate the network to make sure it meets the needs of you, our customers.

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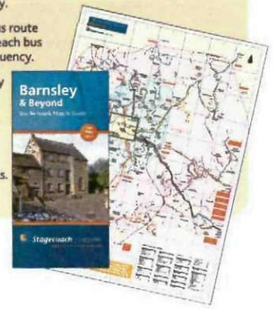
Stagecoach Yorkshire is committed to delivering a reliable, clean and affordable service. If you have any comments or suggestions please contact our customer services by telephone on (01226) 202555 or by e-mail at yorkshire.enquiries@stagecoachbus.com
Alternatively you can pick up one of our freepost Tell Us What You Think forms on the bus.

HOW TO USE

...your network map and guide

This network map and guide provides:

- An easy to read map of all the routes Stagecoach operates to and from Barnsley.
- A list of all the bus route numbers, where each bus goes and the frequency.
- A map of Barnsley Interchange.
- Maps of Barnsley town centre.
- Details of our great value tickets.



FOR MORE INFO

...contact us

We have produced this pocket sized, easy to use network map and guide to help you travel around Barnsley using Stagecoach services. If you do need any further information you can:

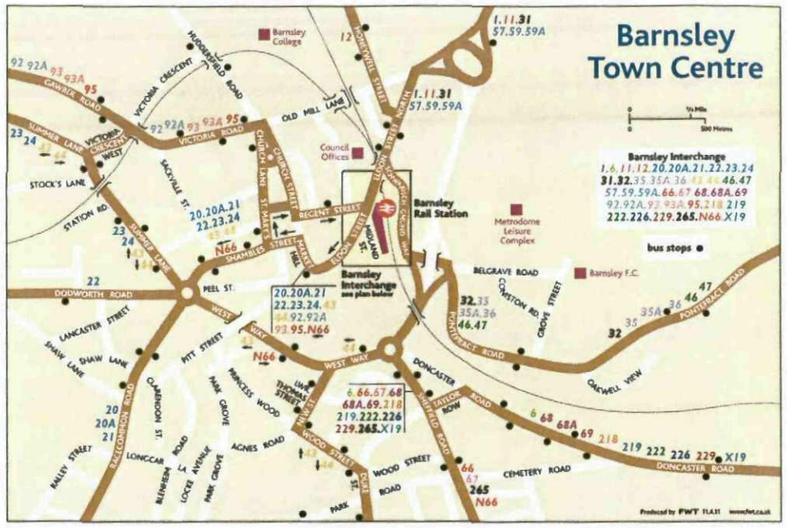
- Pick up timetables from the South Yorkshire travel information centre in Barnsley Interchange or your local travel information centre.
- Download timetables at www.travelsouthyorkshire.com or www.stagecoachbus.com/yorkshire
- Call Traveline on 01709 515151

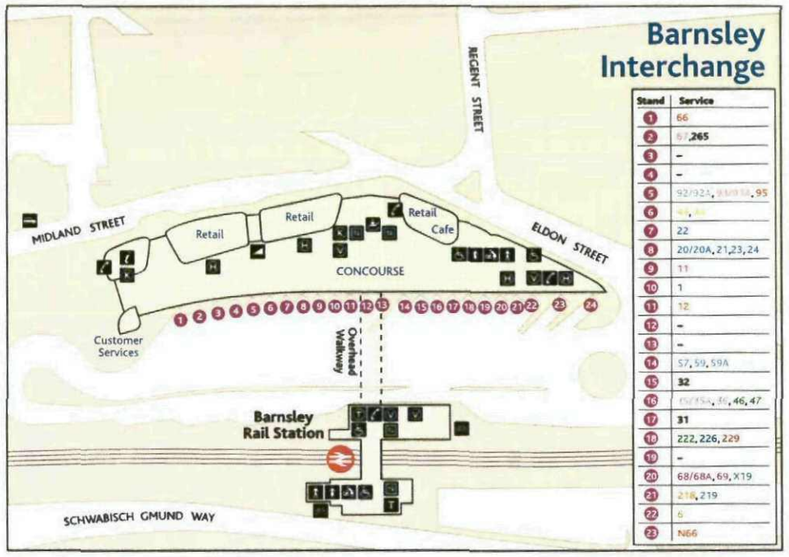
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Stagecoach YORKSHIRE





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buses around Barnsley

service number	route	buses run every (mins) MON - SAT day	MON - SAT eves	SUN	NOTES
1	Barnsley - Wakefield Road - Applewell - Staincross	10	30	30	–
6	Barnsley - Kendray	10	30	30	–
11	Barnsley - Wakefield Road - Athersley North	10	30	30	–
12	Barnsley - Honeywell - Athersley South	15	30	30	–
20/20A	Barnsley - Gilroyd - Dodworth - Silkstone - Penistone - Millhouse Green - Holmfirth/Stocksbridge	60	60	60	a
21	Barnsley - Gilroyd - Dodworth - Silkstone - Oxspring - Penistone - Cubley	2 per hour	60	60	–
22	Barnsley - Dodworth - Gilroyd	20	–	–	–
23	Barnsley - Pogmoor Road (Barnsley Hospital) - Dodworth - Thurgoland - Deepcar - Stocksbridge	120	120	120	–
24	Barnsley - Pogmoor Road (Barnsley Hospital) - Dodworth - Thurgoland - Oxspring - Penistone	120	–	–	–
31	Barnsley - Bishops Way - Monk Bretton - Cudworth - Crown Avenue	60	–	–	–
32	Barnsley - Lundwood - Cudworth - Crown Avenue	15	60	60	–
35	Barnsley - Lundwood - Cudworth - Shafton - Grimethorpe - Brierley - Hemsworth Fitzwilliam - Ackworth - Pontefract	30	60	60	b
35A	Barnsley - Lundwood - Cudworth - Shafton - Grimethorpe, Michaels Estate	60	–	–	–
36	Barnsley - Lundwood - Cudworth - Shafton - Grimethorpe - Nancy Crescent Brierley Common -Moorthorpe - South Elmsall	60	60	60	–
43	Barnsley - Pogmoor Road (Barnsley Hospital) - Kingstone - Barnsley	30	60	60	–
44	Barnsley - Kingstone - Pogmoor Road (Barnsley Hospital) - Barnsley	30	60	60	–
46	Barnsley - Lundwood - Cudworth - Shafton - Grimethorpe - Brierley - South Hiendley - Hemsworth - South Elmsall - Upton - Pontefract	60	–	–	–
47	Barnsley - Lundwood - Cudworth - Shafton - Grimethorpe - Brierley - Hemsworth - South Elmsall - Upton	60	–	–	–
57	Barnsley - Monk Bretton - Carlton - Park View - Royston - Meadstead Drive	4 per hour	–	–	–
59	Barnsley - Monk Bretton - Carlton - Cross Lane - Royston - Station Road - Notton - Newmillerdam - Wakefield	60	–	–	–
59A	Barnsley - Monk Bretton - Carlton - Church Street - Royston - Station Road	60	60	30	–
66/N66	Barnsley - Worsbrough - Birdwell - Hoyland - Elsecar	10	60	30	g
67	Barnsley - Worsbrough Dale - Birdwell - Hoyland - Platts Common - Jump - Hemingfield - Carlton Wood - Wombwell	60	–	–	–
68/68A	Barnsley - Stairfoot - Aldham House - Wombwell - Low Valley - Darfield - Middlecliffe - Great Houghton	60	–	–	–
69	Barnsley - Stairfoot - Aldham House - Wombwell - Low Valley - Darfield Estates	60	–	–	–
92/92A	Barnsley - Gawber Road (Barnsley Hospital) - Redbrook Road - Barugh Green - Higham - Cawthorne	60	60	120	–
93	Barnsley - Gawber Road (Barnsley Hospital) - Redbrook Road - Barugh Green - Darton - Woolley Colliery Village	60	–	–	–
93A	Barnsley - Gawber Road (Barnsley Hospital) - Redbrook Road - Barugh Green - Darton - Staincross	60	–	–	–
95	Barnsley - Gawber Road (Barnsley Hospital) - Wilthorpe Road - Barugh Green - Barugh Green - Darton - Kexbrough	20	60	60	c
200	Wombwell - Carlton Wood - Old Moor - Wath - Manvers - Mexborough	20	30	30	d
210	Grimethorpe - Park Spring - Darfield - Wombwell	60	60	–	–
218	Barnsley - Stairfoot - Darfield - Goldthorpe - Bolton - Manvers - Mexbrough - Swinton Kilnhurst - Rawmarsh - Rotherham	30	60	60	e
219	Barnsley - Stairfoot - Darfield - Middlecliffe - Great Houghton - Thurnscoe - Goldthorpe - Scawsby - Doncaster	30	60	60	f
222	Barnsley - Stairfoot - Wombwell - Brampton - West Melton - Wath - Swinton - Mexborough - Conisbrough - Doncaster	30	60	60	–
226	Barnsley - Stairfoot - Wombwell - Brampton - West Melton - Wath - Manvers - Bolton - Goldthorpe - Thurnscoe	30	30	60	–
229	Barnsley - Stairfoot - Wombwell - Brampton - West Melton - Wath - Rawmarsh - Parkgate - Rotherham	30	60	60	–
265	Barnsley - Worsbrough Village - Birdwell - Hoyland Common - Chapeltown - Fir Vale (Northern General Hospital) - Sheffield	30	60	60	–
X19	Barnsley - Stairfoot - Darfield - Goldthorpe - Scawsby - Doncaster - Robin Hood Airport	60	60	–	–

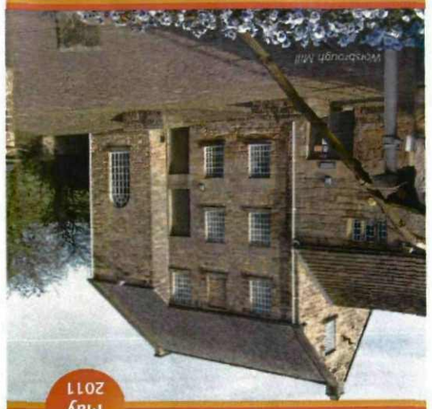
a Route 20 extends from Millhouse Green to Holmfirth every 2 hours. Service 20A extends from Millhouse Green to Stocksbridge and Deepcar every 2 hours.
b Evening and Sunday journeys operate between Barnsley and Hemsworth.
c Evening & Sunday journeys operate as service 95A extending beyond Kexborough to serve Woolley Colliery Village.
d Evening and Sunday journeys operate between Wath and Mexborough only.
e Evening & Sunday journeys operate between Mexborough, Highwoods & Rotherham Interchange only.
f Frequency between Goldthorpe and Doncaster is hourly during daytimes Monday to Saturday.
g N66 operates every 60 minutes in the early hours of Saturday and Sunday mornings with departures from Barnsley at 0025, 0125, 0225 and 0325.

Stagecoach YORKSHIRE
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Barnsley & Beyond

Bus Network Map & Guide

from May 2011



Stagecoach YORKSHIRE

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We do our best to meet your expectations, but occasionally things can go wrong. If you feel we have failed you in some way, please write in the first instance to the address above.
If you then remain unhappy with our response, you can write to
The Bus Appeals Body, PO Box 119, Shepperton, TW17 8UX.
This is an independent organisation that will review your complaint.

Please consider the environment and recycle this leaflet.

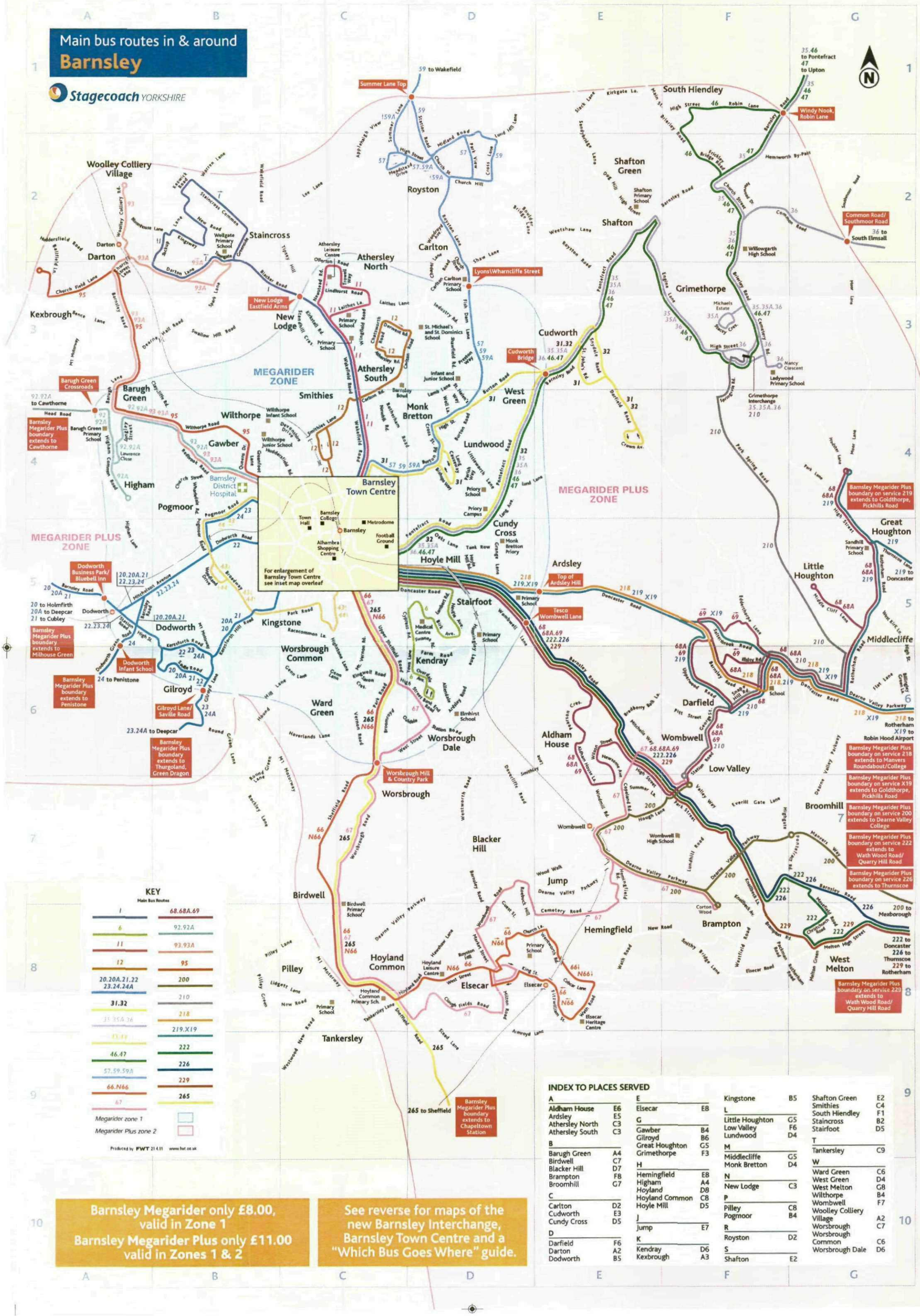
Cover Photograph : Courtesy of Barnsley Council

Information correct at time of going to print. April 2011

FSC Mixed Sources

Main bus routes in & around Barnsley

Stagecoach YORKSHIRE



KEY

Main Bus Routes

1	68.68A.69
6	92.92A
11	93.93A
12	95
20.20A.21.22 23.24.24A	200
31.32	210
35.35A.36	218
35.46	219.X19
46.47	222
57.59.59A	226
66.N66	229
67	265

Megarider zone 1

Megarider Plus zone 2

Produced by FWT 21.4.11 www.fwt.co.uk

INDEX TO PLACES SERVED

A	
Aldham House	**E6**
Ardsley	E5
Athersley North	C3
Athersley South	C3
B	
Barugh Green	A4
Birdwell	C7
Blacker Hill	D7
Brampton	F8
Broomhill	G7
C	
Carlton	D2
Cudworth	E3
Cundy Cross	D5
D	
Darfield	F6
Darton	A2
Dodworth	B5
E	
Elsecar	E8
G	
Gawber	B4
Gilroyd	B6
Great Houghton	G5
Grimethorpe	F3
H	
Hemingfield	E8
Higham	A4
Hoyland	D8
Hoyland Common	C8
Hoyle Mill	D5
J	
Jump	E7
K	
Kendray	D6
Kexbrough	A3
Kingstone	B5
L	
Little Houghton	G5
Low Valley	F6
Lundwood	D4
M	
Middlecliffe	G5
Monk Bretton	D4
N	
New Lodge	C3
P	
Pilley	C8
Pogmoor	B4
R	
Royston	D2
S	
Shafton	E2
Shafton Green	E2
Smithies	C4
South Hiendley	F1
Staincross	B2
Stairfoot	D5
T	
Tankersley	C9
W	
Ward Green	C6
West Green	D4
West Melton	G8
Wilthorpe	B4
Wombwell	F7
Woolley Colliery Village	A2
Worsbrough	C7
Worsbrough Common	C6
Worsbrough Dale	D6

Barnsley Megarider only £8.00, valid in Zone 1
Barnsley Megarider Plus only £11.00 valid in Zones 1 & 2

See reverse for maps of the new Barnsley Interchange, Barnsley Town Centre and a "Which Bus Goes Where" guide.

APPENDIX C
TRICS Data – House for Rent (Social Housing)

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 03 - RESIDENTIAL
Category : B - HOUSES FOR RENT

VEHICLES

Selected regions and areas:

03	**SOUTH WEST**		
	DV	DEVON	1 days
04	**EAST ANGLIA**		
	SF	SUFFOLK	1 days
07	**YORKSHIRE & NORTH LINCOLNSHIRE**		
	NY	NORTH YORKSHIRE	1 days
	WY	WEST YORKSHIRE	1 days

Filtering Stage 2 selection:

Parameter: Number of dwellings
Range: 29 to 280 (units:)

Public Transport Provision:
Selection by: Include all surveys

Date Range: 01/01/05 to 20/09/07

Selected survey days:

Tuesday	2 days
Wednesday	1 days
Thursday	1 days

Selected survey types:

Manual count	4 days
Directional ATC Count	0 days

Selected Locations:

Suburban Area (PPS6 Out of Centre)	4

Selected Location Sub Categories:

Residential Zone	1
Built-Up Zone	1
No Sub Category	2

TRIP RATE for Land Use 03 - RESIDENTIAL/B - HOUSES FOR RENT

VEHICLES

Calculation factor: 1 DWELLS

BOLD print indicates peak (busiest) period

	ARRIVALS			DEPARTURES			TOTALS		
Time Range	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate
00:00 - 01:00	0	0	0.000	0	0	0.000	0	0	0.000
01:00 - 02:00	0	0	0.000	0	0	0.000	0	0	0.000
02:00 - 03:00	0	0	0.000	0	0	0.000	0	0	0.000
03:00 - 04:00	0	0	0.000	0	0	0.000	0	0	0.000
04:00 - 05:00	0	0	0.000	0	0	0.000	0	0	0.000
05:00 - 06:00	0	0	0.000	0	0	0.000	0	0	0.000
06:00 - 07:00	0	0	0.000	0	0	0.000	0	0	0.000
07:00 - 08:00	4	98	0.041	4	98	0.146	4	98	0.187
08:00 - 09:00	4	98	0.097	**4**	**98**	**0.187**	4	98	0.284
09:00 - 10:00	4	98	0.105	4	98	0.103	4	98	0.208
10:00 - 11:00	4	98	0.092	4	98	0.110	4	98	0.202
11:00 - 12:00	4	98	0.138	4	98	0.110	4	98	0.248
12:00 - 13:00	4	98	0.113	4	98	0.115	4	98	0.228
13:00 - 14:00	4	98	0.164	4	98	0.108	4	98	0.272
14:00 - 15:00	4	98	0.100	4	98	0.151	4	98	0.251
15:00 - 16:00	4	98	0.174	4	98	0.115	4	98	0.289
16:00 - 17:00	4	98	0.154	4	98	0.146	4	98	0.300
17:00 - 18:00	**4**	**98**	**0.223**	4	98	0.164	**4**	**98**	**0.387**
18:00 - 19:00	4	98	0.126	4	98	0.095	4	98	0.221
19:00 - 20:00	0	0	0.000	0	0	0.000	0	0	0.000
20:00 - 21:00	0	0	0.000	0	0	0.000	0	0	0.000
21:00 - 22:00	0	0	0.000	0	0	0.000	0	0	0.000
22:00 - 23:00	0	0	0.000	0	0	0.000	0	0	0.000
23:00 - 24:00	0	0	0.000	0	0	0.000	0	0	0.000
Total Rates:			1.527			1.550			3.077

Parameter summary

Trip rate parameter range selected:	29 - 280 (units:)
Survey date date range:	01/01/05 - 20/09/07
Number of weekdays (Monday-Friday):	4
Number of Saturdays:	0
Number of Sundays:	0
Surveys manually removed from selection:	0