TRANSPORT STATEMENT

PROPOSED RESIDENTIAL DEVELOPMENT ON LAND AT NEW ROAD PILLEY, BARNSLEY

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1.0 INTRODUCTION

1.01 This statement has been prepared on behalf of the Jaguar Estates Ltd and Wortley Construction Ltd and addresses the traffic impact, access and sustainability issues raised by a proposed residential development on a site at New Road, Pilley.

1.02 The site is presently a field located to the north side of New Road, approximately 150m to the west of its junction with Lidgett Lane.

1.03 The planning application by the Jaguar Estates Ltd and Wortley Construction Ltd seeks planning permission for the erection of some 41 houses with access from New Road.

1.04 This statement will assess the traffic impact of the development on the local highway network, the adequacy of the proposed access arrangements and will examine the sustainability of the site in relation to access by non-car modes of transport.

1.05 The statement concludes that the development would have no significant impact on road safety or traffic flow on the local highway network. The statement also concludes that the proposed access arrangements are satisfactory and that the site is in a sustainable location.

2.0 EXISTING HIGHWAY CONDITIONS

2.01 The site is located some 3.5km to the west of Hoyland town centre as shown on the location plan attached at Appendix A.

2.02 The site lies on the north side of New Road as shown on the plan of the local highway network attached at Appendix B.

2.03 New Road is an all-purpose access road which runs west to east between Pilley and Tankersley. The road also provides direct access to several residential properties. In the vicinity of the site frontage New Road has a 5.5m wide carriageway, a 2.0m nearside verge and on the opposite side there is a 1.6m continuous footway. New Road is subject to a 30mph speed restriction and is lit to side road standard.

2.04 The record of personal injury accidents that have occurred on the local highway network in the past five years has been obtained from the Highway Authority and is attached at Appendix C. The record indicates that no personal injury accidents have occurred on New Road in the past five years.

2.05 A short section of New Road near the western end of the site frontage is subject to localised flooding. As part of the development proposals, measures will be implemented to alleviate the flooding of the highway.

2.06 The highway and accident data show that there are no highway geometric or road safety related reasons why a new junction should not be provided on Top Road to serve the proposed residential development.

3.0 PROPOSED DEVELOPMENT

3.01 The proposed development involves the construction of 41 houses on the land at New Road, Pilley as shown on the layout plan attached at Appendix D.

3.02 A plan showing details of the proposed site access junction on New Road is attached at Appendix E. The construction of the junction requires the nearside widening of New Road to provide sufficient carriageway width to enable a ghost island right turning lane, pedestrian refuges and crossing facilities to be incorporated into the layout. The location of the junction has been chosen to avoid the area of New Road which is currently subject to flooding. The construction of the junction will reduce the speed of traffic on New Road.

3.03 2.0m wide footways will be provided on either side of the site entrance and these will be continued around the junction radii as far as the new pedestrian crossing facilities located to the east and west of the new junction.

3.04 Visibility splays exceeding 2.4m x 60m will be provided at the proposed site access, a standard which exceeds the recommendations of Manual for Streets for a junction subject to a 30mph speed restriction (2.4m x 43m).

3.05 It may therefore be concluded that drivers on New Road would be able to stop safely if necessary, to avoid a collision with a vehicle entering New Road from the site access.

4.0 CONSIDERATION OF TRAFFIC IMPACT

4.01 The TRICS database provides trip rates for privately owned houses. On the basis of the trip data included in this database, a copy of which is attached at Appendix F, the residential use is likely to exhibit the following vehicular trip rate characteristics during the peak traffic hours.

Typical Residential Trips Rates (Source: TRICS)

Residential use (Trips per Dwelling)	AM Peak (8.00-9.00)		PM Peak (17.00-18.00)	
	Inbound	Outbound	Inbound	Outbound
	0.181	0.400	0.394	0.260

4.02 41 private houses are therefore expected to generate the following trips during the peak traffic hours.

Typical Residential Trips (41 Units)

41 Houses	AM Peak (8.00-9.00)		PM Peak (17.00-18.00)	
	Inbound	Outbound	Inbound	Outbound
	7	16	16	11

4.03 It can be seen from the above table that there would be a modest generation of 23 vehicles (two-way) in the morning peak hour and 27 vehicles in the evening peak hour. This level of traffic generation is below the 30vph threshold of traffic impact set out in 'Guidance on Transport Assessment' published by DfT and as noted previously, the local highway network does not suffer from traffic congestion at the present time.

4.04 The proposals would not result in a material increase in traffic flow on New Road and therefore it is concluded that the proposed residential development would have no significant impact on either road safety or traffic flow on the local highway network.

5.0 CONSIDERATION OF SUSTAINABLE TRANSPORT ISSUES

5.01 The development site is located within a 2.0km walking distance of facilities located in and around Pilley and Tankersley, including post office/newsagents, primary school and the Wentworth Business and Office Parks, a major source of employment in the area. A plan showing the 2km walking radius of the site is attached at Appendix G.

5.02 Bus stops are located on New Road some 300m to the west and on Lidgett Lane approximately 300m to the east. The main bus service is the No.7/7A which provides a two hourly daytime service between Barnsley Interchange, Worsbrough Bridge, Hoyland, Tankersley, Pilley and Birdwell. There is also the 411 service to Penistone Grammar School. Full details of local bus services are attached at Appendix H.

5.03 An extract from the Barnsley Cycling Map showing local cycle routes is attached at Appendix I. There are two cycle routes that run along New Road, Pilley, the National Cycle Network No. 67 and the National Cycle Network No. 6 (the Timberland and Trans Pennine Trails). A plan showing the 5km cycling radius for the site is attached at Appendix J.

5.04 Elsecar railway station is located some 4.3km to the east Penistone and Hallam Lines with hourly off peak services to Sheffield and Leeds. There are also additional half hourly peak period services which operate between Sheffield and Huddersfield. A copy of the railway route network diagram is attached at Appendix K.

6.0 CONCLUSIONS

6.01 This Transport Statement has been prepared on behalf of the Wortley Group and has addressed the transport issues raised by a proposed residential development of 41 houses on a site at New Road, Pilley.

6.02 The statement has assessed the volume of traffic likely to be generated by the proposed development and concludes that the proposals will not result in a material increase in traffic flow on the local highway network. It is further concluded that the site can be assessed safely from New Road which will be widened to facilitate the construction of a ghost island right turn lane, pedestrian refuges and crossing facilities.
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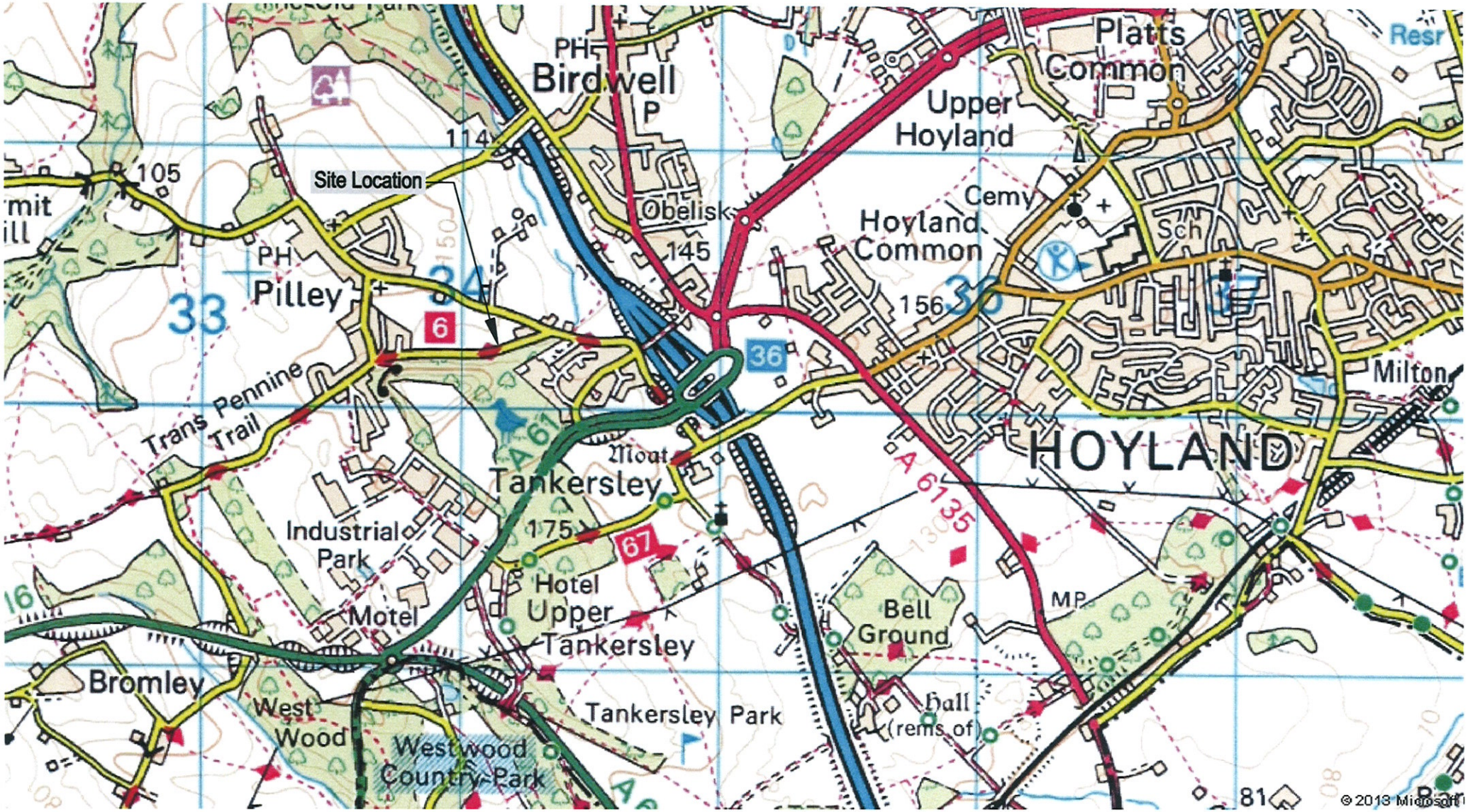
6.03 The statement has also described the opportunities available for future residents to travel by sustainable modes of transport. The statement concludes that the proposed development is in a sustainable location with regard to access by non-car modes of travel.



Signed: .....
M Jennings MSc CEng MICE MCIHT

APPENDIX A

LOCATION PLAN

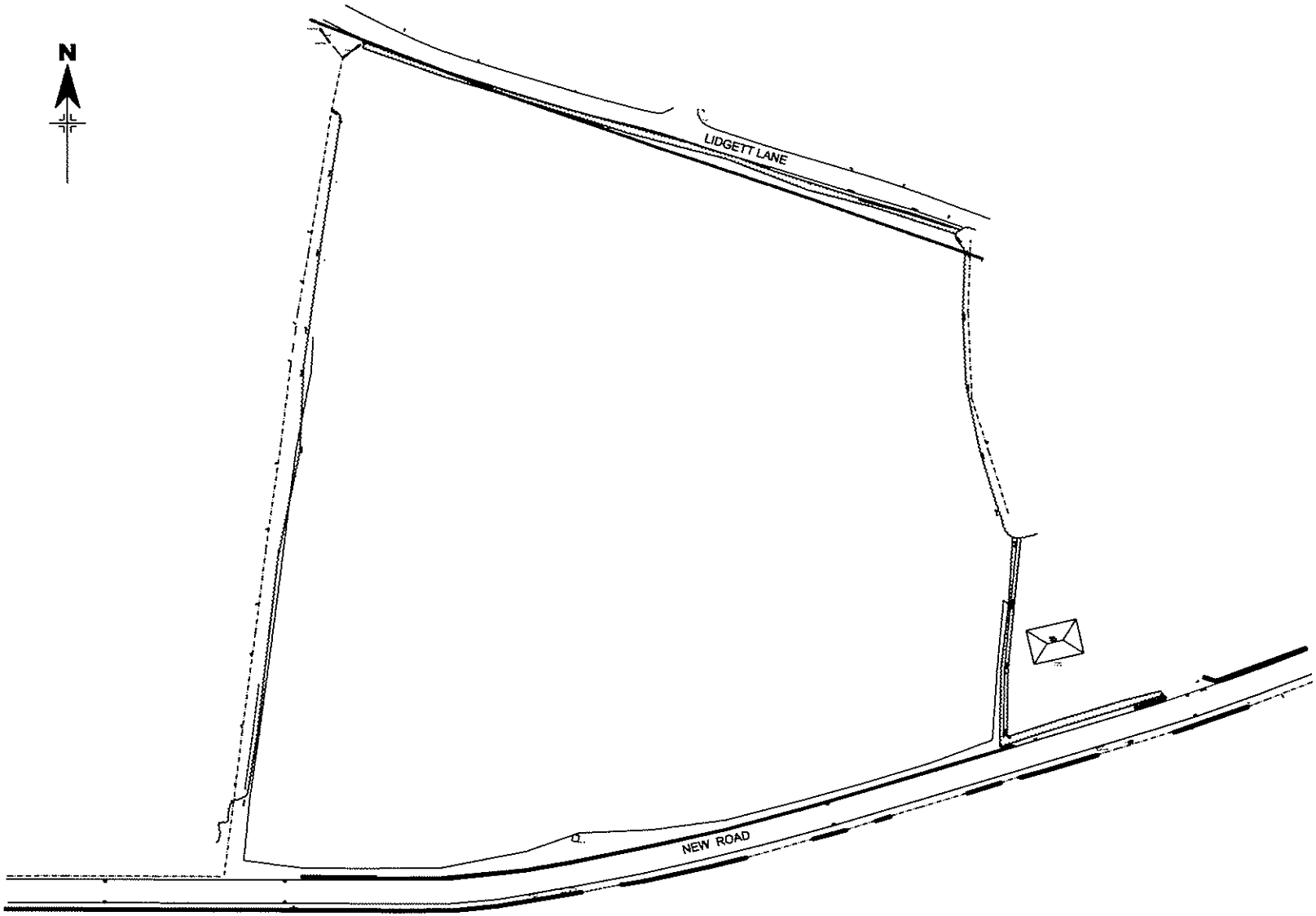


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14 Springfield Court
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Project	New Road, Pilley, Barnsley			
Title	Location Plan			
Drawn: RD	Date: 19.03.13	Drg. No.	Rev.	
Scale: NTS	Checked: MJ	7217/Fig1	–	

APPENDIX B

PLAN SHOWING EXISTING LOCAL HIGHWAY NETWORK



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Project	New Road, Pilley, Barnsley
Title	Plan showing existing Local Highway Network

Drawn	Date	Drg. No.	Rev.
RD	19.03.13	7217/Fig7	—
Scale: NTS	Checked: MJ		

APPENDIX C

ACCIDENT RECORD

Accidents between dates 01/01/2008 and 31/12/2012 (60) months
Selection: **Notes:**
Selected using Pre-defined Query : District - (Barnsley) collision CODA - Pilley

B-00643-08 23/05/2008 Friday Time:2230 Vehicles 2 Casualties 1 Slight
Easting: 433,980 Northing: 400,418
Fine without high winds Road Surface:Dry Daylight:street lights present
Road Type: Single carriageway Speed Limit: 30

Location: LIDGETT LN TANKERSLEY
Description:V1 TV UP LIDGETT LN TW XRDS WHEN HE SAW V2 TV TW HIM. V1 PULLED IN TO THE LEFT BUT V2 THEN PULLED INTO PATH OF V1. RIDER OF V1 THEN FELL FROM MACHINE. DRIVER OF V2 STOPPED SHOUTED ABUSE AT RIDER OF V1 & THEN LEFT SCENE.

Vehicle Reference1 Motorcycle 50cc and under Going ahead
First point of impact:Did not impact
Vehicle direction: SE to W Journey: Not known
Age of Driver : 16 Breath test:Not applicable

Contributory Factors : 601 602

Casualty Reference 1 Age:16 Male Driver/rider Severity:Slight
Ped Dir: Ped Movement :
Ped Location:

Vehicle Reference2 Car Going ahead
First point of impact:Did not impact
Vehicle direction: W to SE Journey: Not known
Age of Driver : Breath test:Not applicable

Contributory Factors : 601 602

Accidents between dates 01/01/2008 and 31/12/2012 (60) months
Selection: **Notes:**
Selected using Pre-defined Query : District - (Barnsley) collision **CODA - Pilley**

B-00613-11 30/06/2011 Thursday Time:0900 Vehicles 2 Casualties 1 Slight
Easting: 434,064 Northing: 400,374
Fine without high winds Road Surface:Dry Daylight: no street lighting
Road Type: Slip road Speed Limit: 30

Location: LIDGET LN PILLEY
Description:V1 ENTERING SLIP RD ON LIDGET LN AFTER JUST TV THROUGH GREEN LIGHT WHEN V2 EMERGED FROM R HAVING APPARENTLY DRIVEN THROUGH RED LIGHT & COLL WITH FRONT O/S OF V1.

Vehicle Reference1 Car Going ahead
First point of impact:Front
Vehicle direction: Parked to Parked Journey: Journey as part of work
Age of Driver : 35 Breath test:Driver not contacted

Contributory Factors :

Casualty Reference 1 Age:35 Male Driver/rider Severity:Slight
Ped Dir:Pedestrian Di Ped Movement : Not pedestrian
Ped Location:

Vehicle Reference2 Car Going ahead
First point of impact:Did not impact
Vehicle direction: Parked to Parked Journey: Not known
Age of Driver : 28 Breath test:Driver not contacted

Contributory Factors :

Accidents between dates 01/01/2008 and 31/12/2012 (60) months
Selection: **Notes:**
Selected using Pre-defined Query : District - (Barnsley) collision **CODA - Pilley**

B-00502-12 05/06/2012 Tuesday Time:0515 Vehicles 2 Casualties 1 Slight
Easting: 434,029 Northing: 400,386
Fine without high winds Road Surface:Dry Daylight: no street lighting
Road Type: Single carriageway Speed Limit: 30

Location: LIDGETT LN TANKERSLEY
Description:DRIVERS TR IN OPP DIRECTION APPROACHING BEND & COLL , BOTH DRIVERS ALLEGE THE OTHER TO BLAME.

Vehicle Reference1 Car Going ahead left hand bend
First point of impact:Front
Vehicle direction: W to E Journey: Journey as part of work
Age of Driver : 61 Breath test:Not requested

Contributory Factors : 602

Casualty Reference 1 Age:61 Female Driver/rider Severity:Slight
Ped Dir:Pedestrian Di Ped Movement : Not pedestrian
Ped Location:

Vehicle Reference2 Car Going ahead right hand bend
First point of impact:Front
Vehicle direction: E to W Journey: Not known
Age of Driver : 27 Breath test:Not requested

Contributory Factors : 602

Accidents between dates **01/01/2008 and 31/12/2012 (60) months**
Selection: **Notes:**
Selected using Pre-defined Query : District - (Barnsley) collision **CODA - Pilley**

B-01138-12 07/12/2012 Friday Time:1340 Vehicles 1 Casualties 1 Slight
Easting: 433,615 Northing: 400,342
Fine without high winds Road Surface:Dry Daylight: street lighting unknown
Road Type: Single carriageway Speed Limit: 30

Location: PILLEY GREEN PILLEY TANKERSLY, BARNSLEY
Description:VEH 1 PSV TV ON PILLEY GREEN APPROACHING BUS STOP. VEH 1 BRAKED SHARPLY. CAS 1 PASS WHO HAD STOOD UP TO ALIGHT THE BUS HAS FELL AND INJURED HIS KNEE.

Vehicle Reference1 Bus or coach Going ahead
First point of impact:Did not impact
Vehicle direction: N to S Journey: Journey as part of work
Age of Driver : 66 Breath test:Not requested

Contributory Factors : 408 999

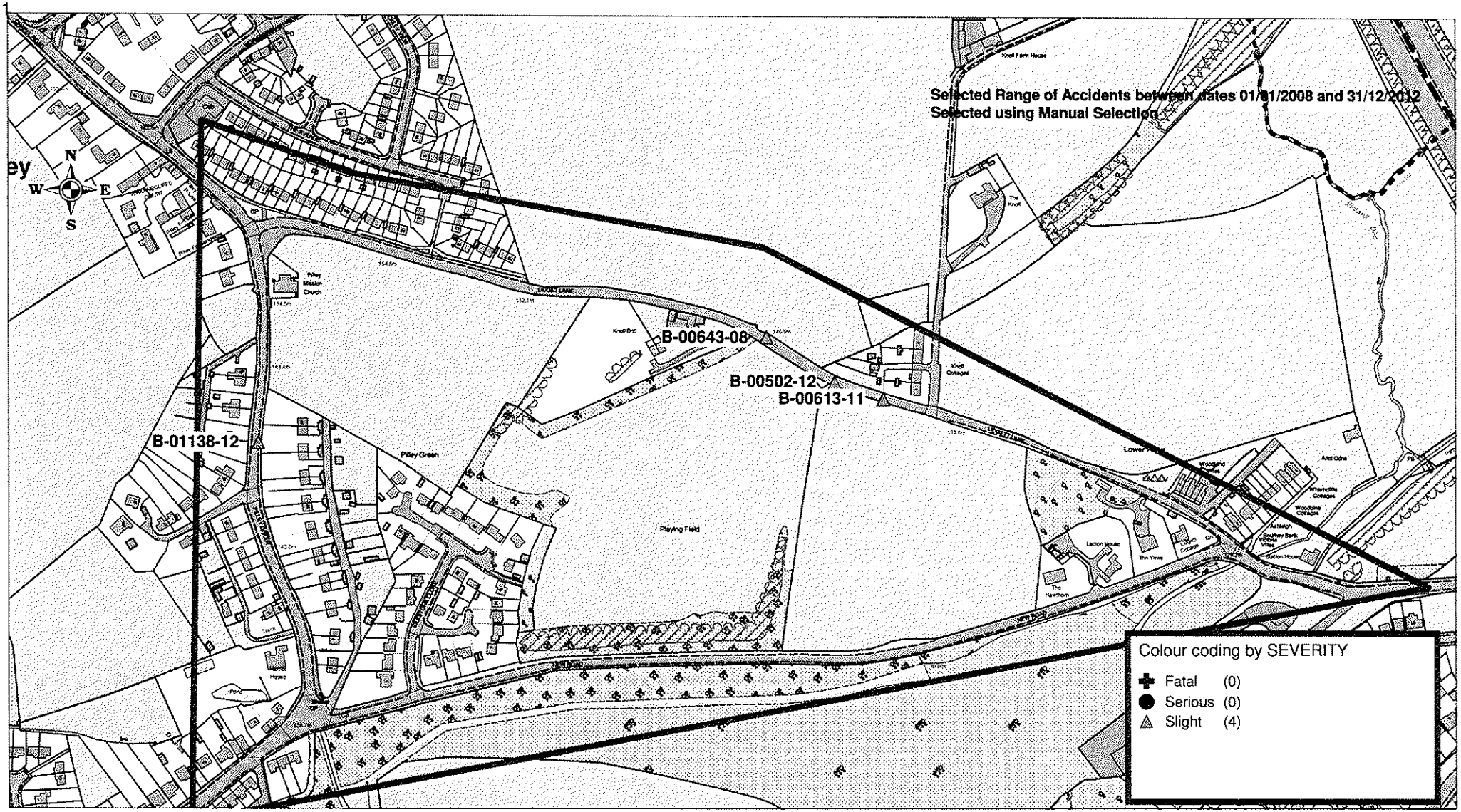
Casualty Reference 1 Age: Male Passenger Severity:Slight
Ped Dir:Pedestrian Dii Ped Movement : Not pedestrian
Ped Location:

Accidents involving:

	Fatal	Serious	Slight	Total
Motor vehicles only excluding 2-wheels	0	0	3	3
2-wheeled motor vehicles	0	0	1	1
Pedal cycles	0	0	0	0
Horses & other	0	0	0	0
Total	0	0	4	4

Casualties:

	Fatal	Serious	Slight	Total
Vehicle driver	0	0	2	2
Passenger	0	0	1	1
Motorcycle ride	0	0	1	1
Cyclist	0	0	0	0
Pedestrian	0	0	0	0
Other	0	0	0	0
Total	0	0	4	4



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MAKING SOUTH YORKSHIRE
ROADS SAFER

Selected map area

SCALE	1 : 3700
DATE	29/04/2013
DRWG No.	
DRN BY	

Accidents between dates **01/01/2008 and 31/12/2012** (60) months

Selection:
Selected using Pre-defined Query : District - (Barnsley) collisions

Notes:
CODA - Pilley

Police Ref.	Date	Cas.	Sev.	Cycs	Peds	Ch	OAPs	Vis.	Manv.	Road Cond.	Time	Location
B-00643-08	23/05/2008	1	Slight	0	0	0	0	Light	No turn	Dry	2230	LIDGETT LN TANKERSLEY
B-00613-11	30/06/2011	1	Slight	0	0	0	0	Light	No turn	Dry	0900	LIDGET LN PILLEY
B-00502-12	05/06/2012	1	Slight	0	0	0	1	Light	No turn	Dry	0515	LIDGETT LN TANKERSLEY
B-01138-12	07/12/2012	1	Slight	0	0	0	0	Light	No turn	Dry	1340	PILLEY GREEN PILLEY TANKERSLY, BARNSLEY
Column Totals		4		0	0	0	1					
No. of Accidents				0	0	0	1					

Total number of accidents listed: 4

Accidents between dates **01/01/2008 and 31/12/2012** (60) months

Selection:
Selected using Pre-defined Query : District - (Barnsley) collisions

Notes:
CODA - Pilley

Police Ref.	Acc Class	Date	Time	Grid References	Casualties Ftl	Ser	Slt	Causation Factors/ Prob	Ped L M D	Light	Weather	Road Surface	Vehicle Types
B-00643-08	Slight	23/05/2008	2230	433980 400418	0	0	1	601V2B 602V2B	0 0 0	Light	Fine without high winds	Dry	9 2
B-00613-11	Slight	30/06/2011	0900	434064 400374	0	0	1		0 0 0	Light	Fine without high winds	Dry	9 9
B-00502-12	Slight	05/06/2012	0515	434029 400386	0	0	1	602V2A	0 0 0	Light	Fine without high winds	Dry	9 9
B-01138-12	Slight	07/12/2012	1340	433615 400342	0	0	1	408V1B 999C1A	0 0 0	Light	Fine without high winds	Dry	11
Column Totals					0	0	0						

Total number of accidents listed: 4

APPENDIX D

PLAN SHOWING DEVELOPMENT PROPOSALS

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LICENCE NUMBER 100020449

THIS PLAN SHOULD BE READ IN CONJUNCTION WITH OTHER REPORTS AND DETAILS BY ALL OTHER ASSOCIATE CONSULTANTS.

DWELLINGS TO BE 2 STOREY.

DENOTES NEW TREE PLANTING FOR ILLUSTRATION ONLY. ANY SUBSEQUENT RESERVED MATTERS APPLICATION WILL INCLUDE FULL LANDSCAPE DESIGN PROPOSAL.

DENOTES KEY PLOT POSITION, HAVING SECONDARY AND/OR DUAL FENESTRATION TO PROVIDE OVERLOOKING AND SECURITY.

PEDESTRIAN LINK INTO ADJACENT RECREATION GROUND

LIDGET LANE

NEW ROAD

NewRoadPILLEY

Lacton House

The Hawthorn

CREATE RIGHT TURN FACILITY INCLUDING PEDESTRIAN CROSSING POINTS, FORMING GATEWAY INTO SITE AND ENCOURAGING LOWER TRAFFIC SPEEDS ALONG NEW ROAD.

PLANT NEW HEDGE ALONG FRONTAGE WITH NEW ROAD

10m 20m 40m 60m

1:1000 on A3

Client the Wortley Group

Scale 1:1000 Dwg No 13/091-01

Date july 2013

Job proposed residential development
New Road, Pilley

Title Illustrative Layout Plan

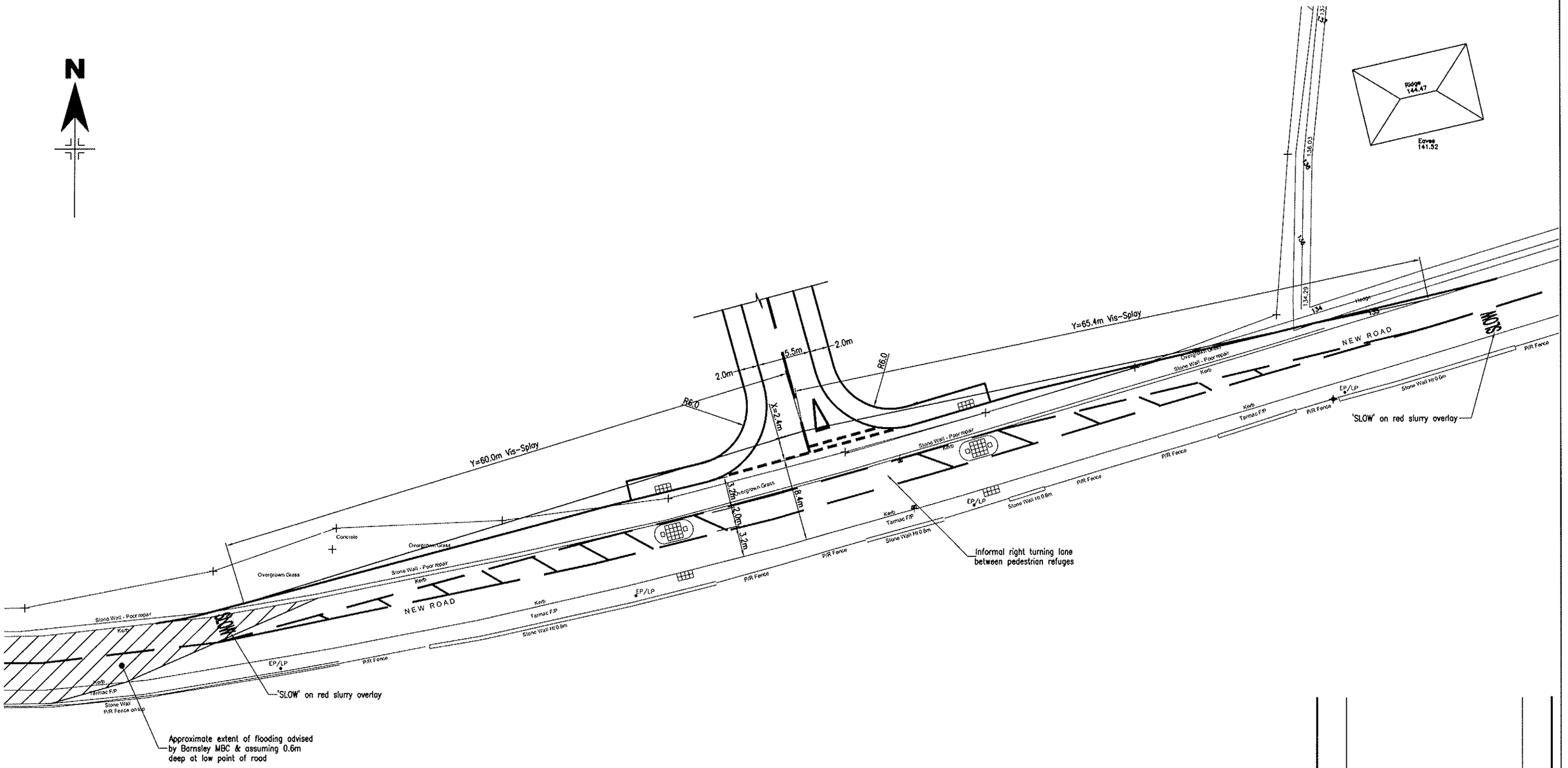
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WORTLEYGROUP

APPENDIX E

PLAN SHOWING PROPOSED ACCESS ARRANGEMENT



Rev.	Content	Date

Client	Jaguar Estates Ltd and Wortley Construction Ltd		
Project	New Road, Pilley		
Title	Site Access Arrangement		
Drawn: RD	Date: 14.05.13	Drg. No.: 7217/Fig5	Rev.: -
Scale: 1:200 @A1	Checked: JL		

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14 Springfield Court
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Leeds LS20 8FD
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Fax: 01943 870824

APPENDIX F

TRICS DATA – HOUSES PRIVATELY OWNED

TRIP RATE CALCULATION SELECTION PARAMETERS:

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

VEHICLES

Selected regions and areas:

03	**SOUTH WEST**		
	CW	CORNWALL	2 days
04	**EAST ANGLIA**		
	NF	NORFOLK	1 days
	SF	SUFFOLK	1 days
05	**EAST MIDLANDS**		
	LN	LINCOLNSHIRE	2 days
06	**WEST MIDLANDS**		
	SH	SHROPSHIRE	1 days
	WO	WORCESTERSHIRE	2 days
07	**YORKSHIRE & NORTH LINCOLNSHIRE**		
	NY	NORTH YORKSHIRE	2 days
08	**NORTH WEST**		
	CH	CHESHIRE	2 days
09	**NORTH**		
	TV	TEES VALLEY	1 days
10	**WALES**		
	CP	CAERPHILLY	1 days
11	**SCOTLAND**		
	AG	ANGUS	1 days
	FI	FIFE	1 days
	HI	HIGHLAND	1 days
	PK	PERTH & KINROSS	1 days
	SR	STIRLING	1 days
12	**CONNAUGHT**		
	CS	SLIGO	1 days
	GA	GALWAY	2 days
	MA	MAYO	1 days
	RO	ROSCOMMON	1 days
13	**MUNSTER**		
	CR	CORK	1 days
	WA	WATERFORD	1 days
14	**LEINSTER**		
	KD	KILDARE	1 days
17	**ULSTER (NORTHERN IRELAND)**		
	AN	ANTRIM	1 days

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

Filtering Stage 2 selection:

This data displays the chosen trip rate parameter and its selected range. Only sites that fall within the parameter range are included in the trip rate calculation.

Parameter:	Number of dwellings
Actual Range:	7 to 225 (units:)
Range Selected by User:	4 to 4334 (units:)

Public Transport Provision:
Selection by: Include all surveys

Date Range: 01/01/05 to 18/12/12

This data displays the range of survey dates selected. Only surveys that were conducted within this date range are included in the trip rate calculation.

Selected survey days:

Monday	4 days
Tuesday	12 days
Wednesday	2 days
Thursday	7 days
Friday	4 days

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

Selected survey types:

Manual count	29 days
Directional ATC Count	0 days

This data displays the number of manual classified surveys and the number of unclassified ATC surveys, the total adding up to the overall number of surveys in the selected set. Manual surveys are undertaken using staff, whilst ATC surveys are undertaking using machines.

Selected Locations:

Suburban Area (PPS6 Out of Centre)	29

This data displays the number of surveys per main location category within the selected set. The main location categories consist of Free Standing, Edge of Town, Suburban Area, Neighbourhood Centre, Edge of Town Centre, Town Centre and Not Known.

Selected Location Sub Categories:

Residential Zone	23
Built-Up Zone	1
No Sub Category	5

This data displays the number of surveys per location sub-category within the selected set. The location sub-categories consist of Commercial Zone, Industrial Zone, Development Zone, Residential Zone, Retail Zone, Built-Up Zone, Village, Out of Town, High Street and No Sub Category.

Filtering Stage 3 selection:

Use Class:

C3	29 days

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

Filtering Stage 3 selection (Cont.):

Population within 1 mile:

1,001 to 5,000	6 days
5,001 to 10,000	4 days
10,001 to 15,000	7 days
15,001 to 20,000	7 days
20,001 to 25,000	3 days
25,001 to 50,000	2 days

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

Population within 5 miles:

5,000 or Less	1 days
5,001 to 25,000	6 days
25,001 to 50,000	6 days
50,001 to 75,000	6 days
75,001 to 100,000	6 days
100,001 to 125,000	4 days

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

Car ownership within 5 miles:

0.6 to 1.0	10 days
1.1 to 1.5	19 days

This data displays the number of selected surveys within stated ranges of average cars owned per residential dwelling, within a radius of 5-miles of selected survey sites.

Travel Plan:

No	29 days

This data displays the number of surveys within the selected set that were undertaken at sites with Travel Plans in place, and the number of surveys that were undertaken at sites without Travel Plans.

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED
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									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	29	70	0.070	29	70	0.247	29	70	0.317
08:00 - 09:00	29	70	0.181	**29**	**70**	**0.400**	29	70	0.581
09:00 - 10:00	29	70	0.180	29	70	0.239	29	70	0.419
10:00 - 11:00	29	70	0.165	29	70	0.166	29	70	0.331
11:00 - 12:00	29	70	0.182	29	70	0.185	29	70	0.367
12:00 - 13:00	29	70	0.203	29	70	0.199	29	70	0.402
13:00 - 14:00	29	70	0.223	29	70	0.203	29	70	0.426
14:00 - 15:00	29	70	0.211	29	70	0.220	29	70	0.431
15:00 - 16:00	29	70	0.255	29	70	0.205	29	70	0.460
16:00 - 17:00	29	70	0.322	29	70	0.212	29	70	0.534
17:00 - 18:00	**29**	**70**	**0.394**	29	70	0.260	**29**	**70**	**0.654**
18:00 - 19:00	29	70	0.297	29	70	0.219	29	70	0.516
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			2.683			2.755			5.438

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

*To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.*

Parameter summary

Trip rate parameter range selected:	7 - 225 (units:)
Survey date date range:	01/01/05 - 18/12/12
Number of weekdays (Monday-Friday):	29
Number of Saturdays:	0
Number of Sundays:	0
Surveys manually removed from selection:	0

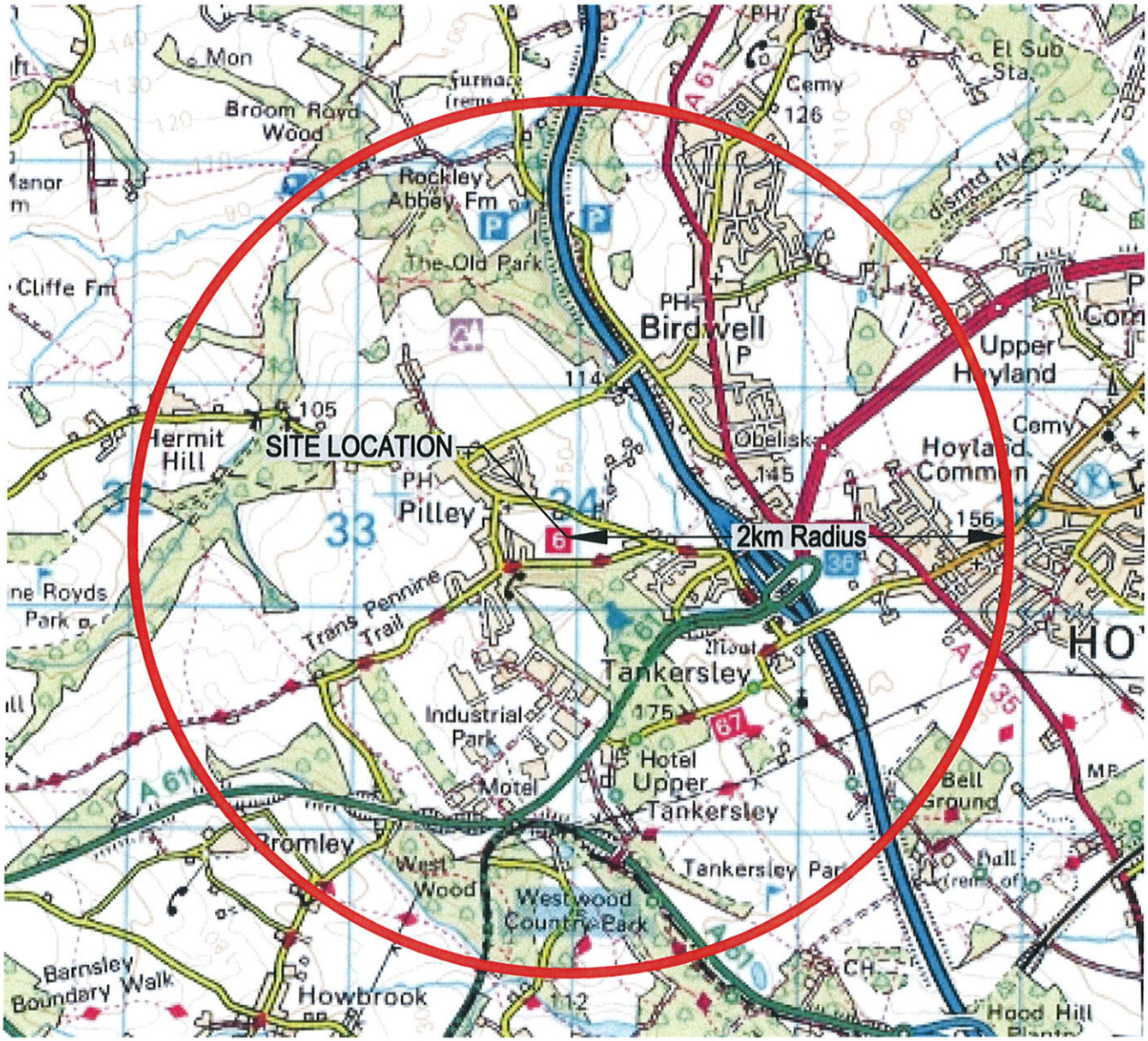
This section displays a quick summary of some of the data filtering selections made by the TRICS® user. The trip rate calculation parameter range of all selected surveys is displayed first, followed by the range of minimum and maximum survey dates selected by the user. Then, the total number of selected weekdays and weekend days in the selected set of surveys are show. Finally, the number of survey days that have been manually removed from the selected set outside of the standard filtering procedure are displayed.

APPENDIX G

2KM WALKING RADIUS

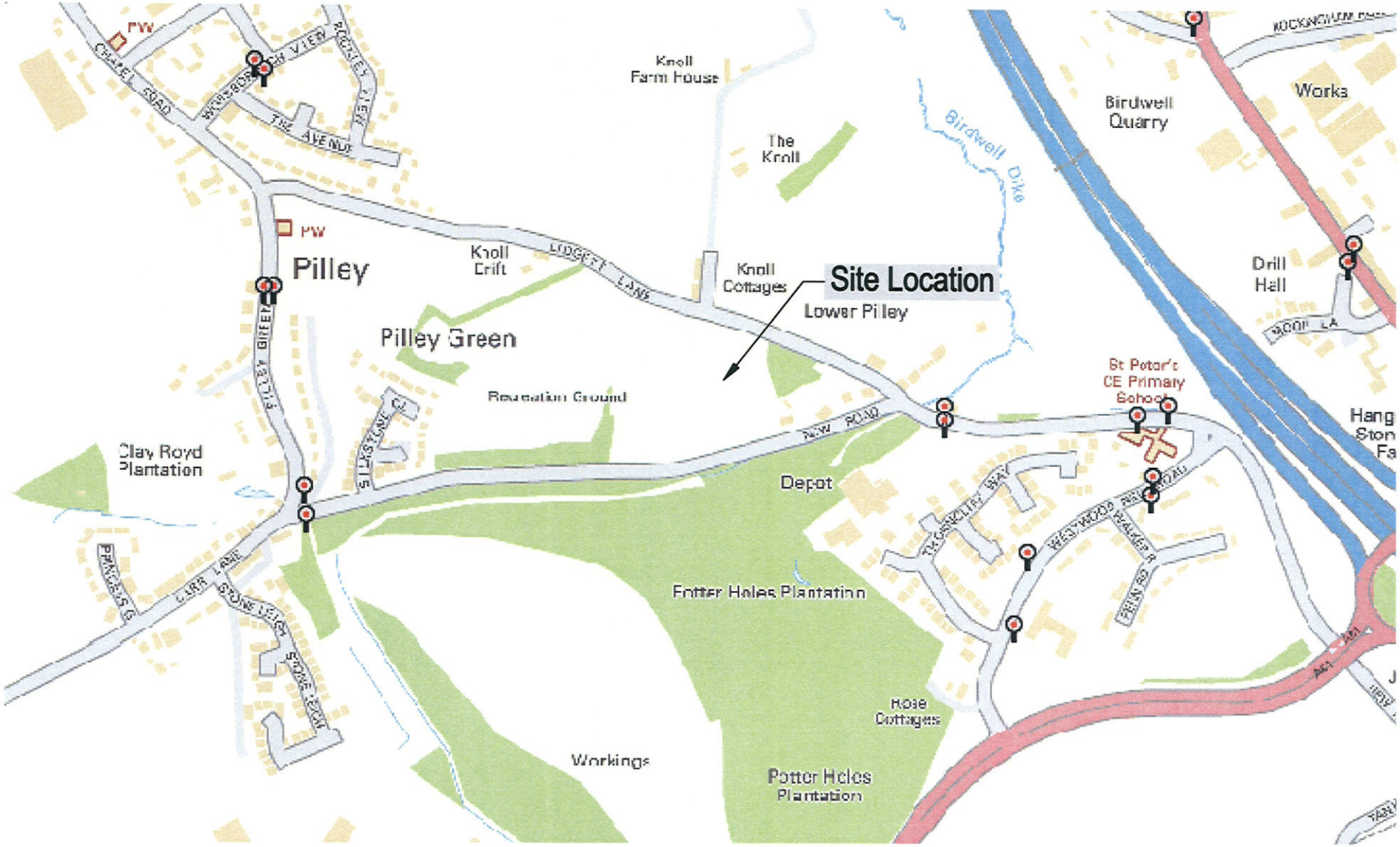
CoDa — Transportation
Consulting Transportation Engineers
14 Springfield Court
Guiseley
Leeds LS20 8FD
Tel: 01943 872567
Fax: 01943 870824

Project	New Road, Pilley, Barnsley			
Title	2km Walking Radius from the Site			
Drawn: RD		Date: 19.03.13	Drg. No.: 7217/Fig2	Rev.: –
Scale: NTS		Checked: MJ		



APPENDIX H

DETAILS OF BUS SERVICES

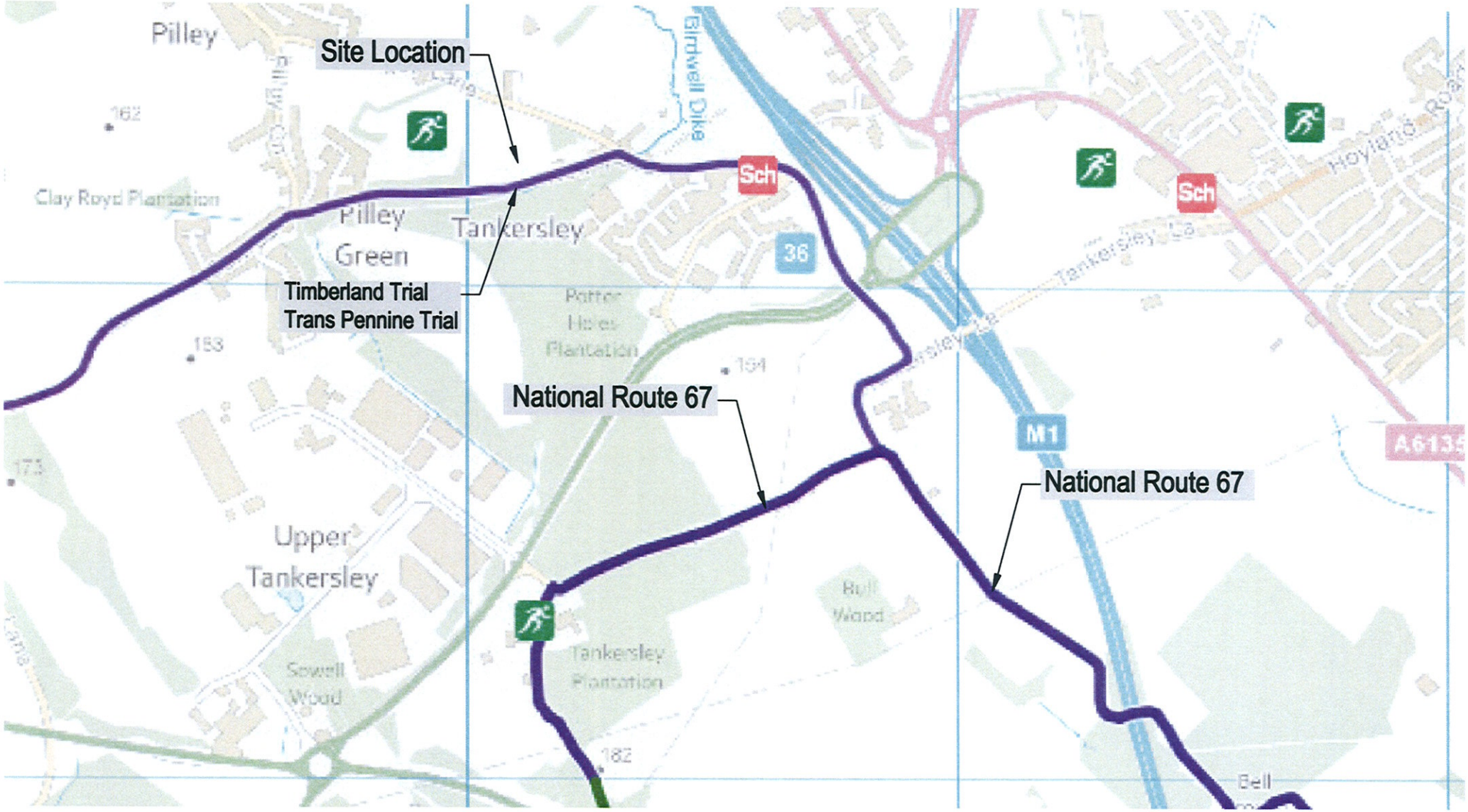


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Project	New Road, Pilley, Barnsley			
Title	Bus Stop Location Plan			
Drawn: RD	Date: 19.03.13	Drg. No.	Rev.	
Scale: NTS	Checked: MJ	7217/Fig6	–	

APPENDIX I

CYCLE ROUTES



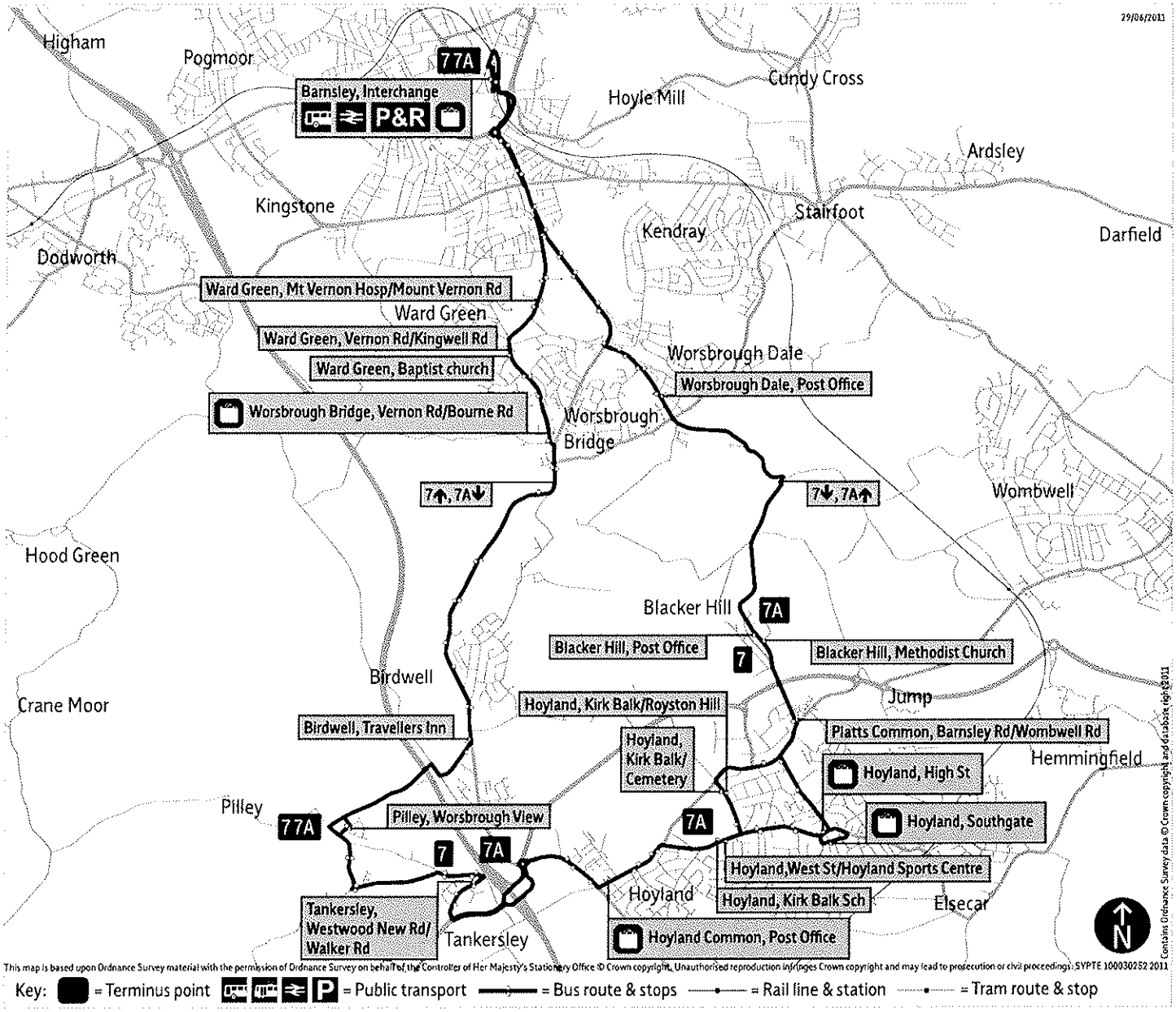
CoDa Transportation
Consulting Transportation Engineers
14 Springfield Court
Guiseley
Leeds LS20 8FD
Tel: 01943 872567
Fax: 01943 870824

Project	New Road, Pilley, Barnsley			
Title	Cycle Route Plan			
Drawn: RD	Date: 19.03.13	Drg. No.	Rev.	
Scale: NTS	Checked: MJ	7217/Fig4	–	

APPENDIX I

CYCLE ROUTES

Bus route map for services 7 and 7A



Stopping points for service 7

Barnsley, Interchange ▸ Sheffield Road ▸ **Worsbrough Common** ▸ Upper Sheffield Road ▸ **Worsbrough Bridge** ▸ **Worsbrough Dale** ▸ Bank End Road ▸ High Street ▸ **Blacker Hill** ▸ Wentworth Road ▸ **Platts Common** ▸ Barnsley Road ▸ **Hoyland** ▸ Kirk Balk ▸ West Street ▸ High Street ▸ Southgate ▸ West Street ▸ **Hoyland Common** ▸ Hoyland Road ▸ Sheffield Road ▸ **Tankersley** ▸ Westwood New Road ▸ New Road ▸ **Pilley** ▸ Pilley Green ▸ Worsbrough View ▸ **Birdwell** ▸ Sheffield Road ▸ **Worsbrough Bridge** ▸ Park Road ▸ Vernon Road ▸ **Ward Green** ▸ Mount Vernon Road ▸ Sheffield Road ▸ Schwabish Gmund Way ▸ **Barnsley, Interchange**

Stopping points for service 7A

Barnsley, Interchange ▸ Sheffield Road ▸ **Worsbrough Common** ▸ Mount Vernon Road ▸ **Ward Green** ▸ Vernon Road ▸ **Worsbrough Bridge** ▸ Park Road ▸ **Birdwell** ▸ Sheffield Road ▸ Chapel Street ▸ **Pilley** ▸ Worsbrough View ▸ Pilley Green ▸ New Road ▸ **Tankersley** ▸ Westwood New Road ▸ **Hoyland Common** ▸ Sheffield Road ▸ Hoyland Road ▸ **Hoyland** ▸ West Street ▸ High Street ▸ Southgate ▸ West Street ▸ Kirk Balk ▸ Hawshaw Lane ▸ **Platts Common** ▸ Barnsley Road ▸ **Blacker Hill** ▸ Wentworth Road ▸ **Worsbrough Dale** ▸ High Street ▸ Bank End Road ▸ **Worsbrough Bridge** ▸ Upper Sheffield Road ▸ **Worsbrough Common** ▸ Sheffield Road ▸ **Barnsley, Interchange**

7 ▸ Monday to Saturday **Barnsley Centre ▸ Hoyland ▸ Barnsley Centre**

See notes:					SD	SSH	SD	
Barnsley, Interchange	**0745**	**0905**	**1105**	**1305**	**–**	**1505**	**–**	**1710**
Worsbrough Dale, Post Office	0755	0915	1115	1315	–	1515	–	1722
Blacker Hill, Methodist Church	**0801**	**0921**	**1121**	**1321**	**1508**	**1521**	**–**	**1728**
Platts Common, Barnsley Rd/Wombwell Rd	0803	0923	1123	1323	1510	1523	–	1730
Hoyland, Kirk Balk/Royston Hill	**0805**	**0925**	**1125**	**1325**	**1512**	**1525**	**–**	**1732**
Hoyland, Southgate	–	0928	1128	1328	–	1528	–	1735
Hoyland, West St/Hoyland Sports Centre	**0807**	**0931**	**1131**	**1331**	**1514**	**1531**	**–**	**1738**
Hoyland Common, Sheffield Rd/Hoyland Rd	0810	0934	1134	1334	1517	1534	–	1741
Tankersley, Westwood New Rd/Walker Rd	**0814**	**0938**	**1138**	**1338**	**1521**	**1538**	**1538**	**1745**
Pilley, Worsbrough View	0817	0941	1141	1341	1524	1541	1541	1748
Birdwell, Travellers Inn	**–**	**0945**	**1145**	**1345**	**–**	**1545**	**1545**	**1752**
Worsbrough Bridge, Vernon Rd/Bourne Rd	–	0948	1148	1348	–	1548	1548	1755
Ward Green, Baptist Church	**–**	**0950**	**1150**	**1350**	**–**	**1550**	**1550**	**1757**
Ward Green, Mt Vernon Hosp/Mount Vernon Rc	–	0952	1152	1352	–	1552	1552	1759
Barnsley, Interchange	**–**	**0958**	**1158**	**1358**	**–**	**1558**	**1558**	**1805**

No Service Sunday

Notes: SD - Schooldays only, SSH - Saturdays and School holidays only

7A ▸ Monday to Saturday **Barnsley Centre ▸ Hoyland ▸ Barnsley Centre**

See notes:		A						SSH	SD	A SD	SD		
Barnsley, Interchange	–	–	**1005**	**1205**	**1405**	**1405**	–	–	**1610**	**1810**			
Ward Green, Mt Vernon Hosp/Mt Vernon Rd	–	–	1011	1211	1411	1411	–	–	1616	1816			
Ward Green, Vernon Rd/Kingwell Rd	–	–	**1013**	**1213**	**1413**	**1413**	–	–	**1618**	**1818**			
Worsbrough Bridge, Vernon Rd/Bourne Rd	–	–	1015	1215	1415	1415	–	–	1620	1820			
Birdwell, Travellers Inn	–	–	**1018**	**1218**	**1418**	**1418**	–	–	**1623**	**1823**			
Pilley, Worsbrough View	0707	0817	1022	1222	1422	1422	–	1525	1627	1827			
Tankersley, Westwood New Rd	**0710**	**0820**	**1025**	**1225**	**1425**	**1425**	–	**1528**	**1630**	**1830**			
Hoyland Common, Post Office	0714	0824	1029	1229	1429	1429	–	–	1634	1834			
Hoyland, Kirk Balk Sch	**0717**	**0827**	**1032**	**1232**	**1432**	**1432**	**1500**	–	**1637**	**1837**			
Hoyland, High St	0719	0829	1034	1234	1434	1434	1502	–	1639	1839			
Hoyland, Kirk Balk Cemetery	**0722**	–	**1037**	**1237**	**1437**	**1437**	–	–	**1642**	**1842**			
Platts Common, Barnsley Rd/Wombwell Rd	0724	0831	1039	1239	1439	1439	1504	–	1644	1844			
Blacker Hill, Post Office	**0726**	**0833**	**1041**	**1241**	**1441**	**1441**	**1506**	–	**1646**	**1846**			
Worsbrough Dale, Post Office	0732	0839	1047	1247	1447	–	–	–	1652	1852			
Barnsley, Interchange	**0742**	**0849**	**1057**	**1257**	**1457**	–	–	–	**1702**	**1902**			

No Service Sunday

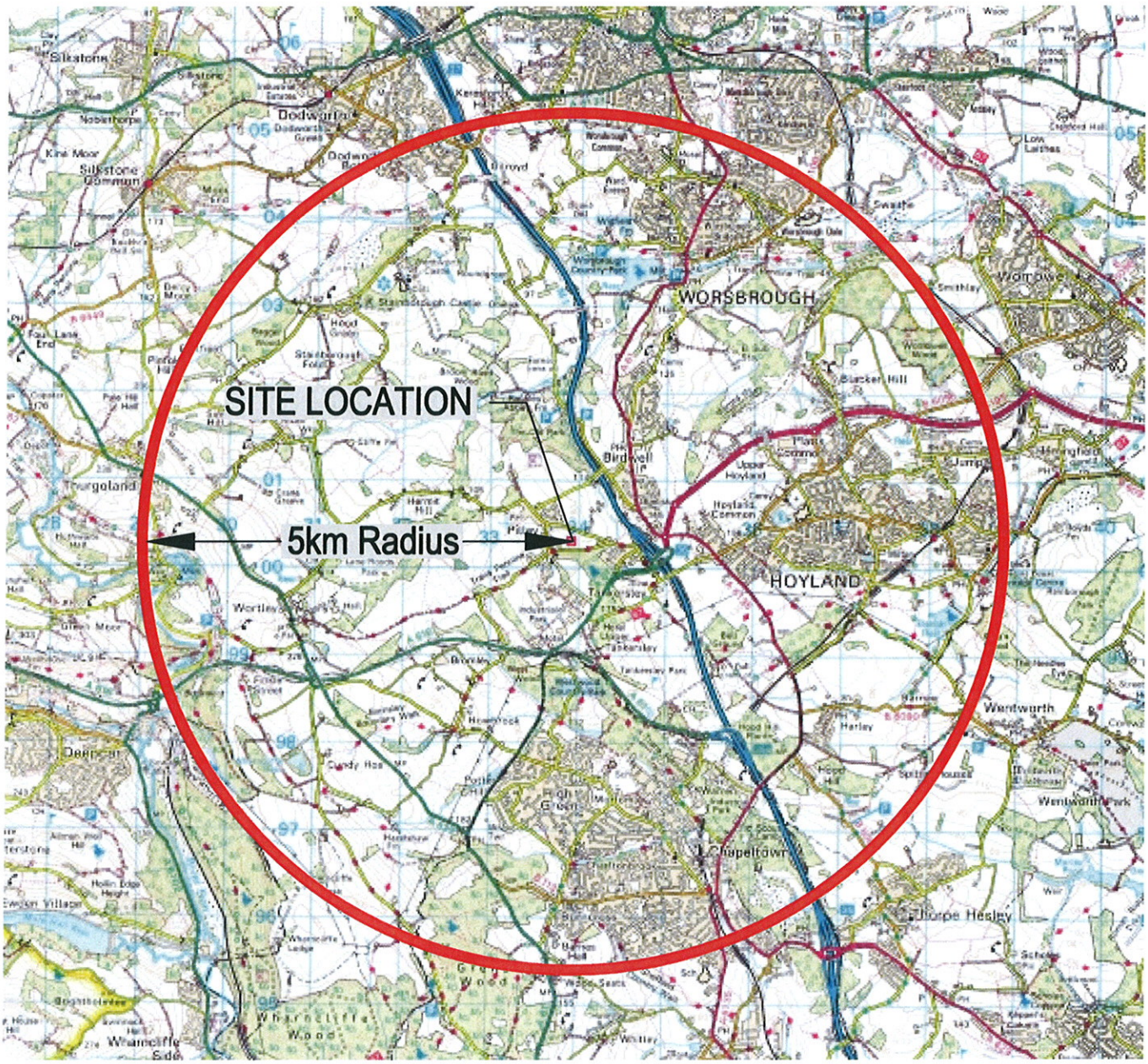
Notes: A - operates direct via Market Street between High Street and Barnsley Road
SD - Schooldays only, SSH - Saturdays and school holidays only

APPENDIX J

5KM CYCLING RADIUS

CoDa — Transportation
Consulting Transportation Engineers
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Leeds LS20 8FD
Tel: 01943 872567
Fax: 01943 870824

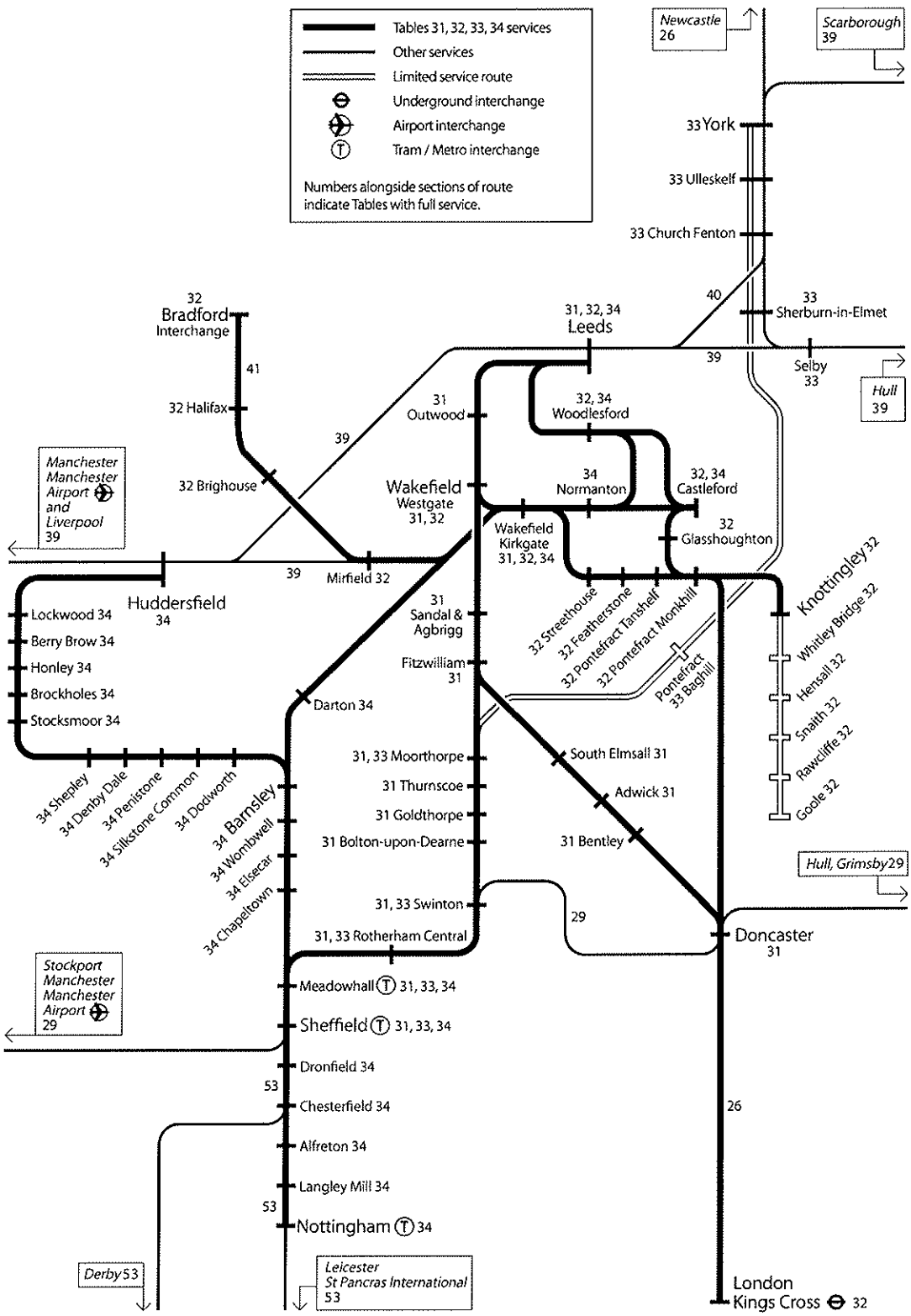
Project	New Road, Pilley, Barnsley			
Title	5km Cycling Radius from the Site			
Drawn RD		Date 19.03.13	Drg. No. 7217/Fig3	Rev. –
Scale NTS		Checked MJ		



APPENDIX K

RAIL NETWORK DIAGRAM

Network Diagram for Tables 31, 32, 33, 34



TOCs operating on this network - Northern (NT), East Coast (GR), Cross Country (XC), Grand Central (GC), East Midlands Trains (EM), First TransPennine Express (TP)

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