

TECHNICAL NOTE

Project No: ITB10358
Project Title: Yapton Road, Barnham
Title: Transport Statement
Ref: JCB/RH/ITB10358-001 TN
Date: 24 June 2015

SECTION 1 INTRODUCTION

1.1.1 Crayfern Homes has instructed i-Transport to provide highway and transport advice in respect of a reserved matters planning application for the construction of 44 dwellings at Yapton Road, Barnham. The proposed site layout plan is included in Appendix A of this note.

1.1.2 This Transport Statement (TS) provides an assessment of the transport and highways implications of the scheme.

1.2 Outline Planning Application

1.2.1 An outline planning application (planning ref: BN/7/12) was submitted to Arun District Council in March 2012, for the following:

“Outline application with some matters reserved for up to 44 no. dwellings including 30% affordable, comprising of a mix of 2-4 bed houses with associated landscaping & works.”

1.2.2 The outline application considered the offsite highways and transport impacts of the proposed development. In response to the information submitted as part of the outline planning application West Sussex County Council (WSCC) raised no objection. However, the outline application was refused by Arun District Council in July 2012. There were no highways or transport related reasons for refusal included in the decision notice.

1.2.3 The outline application was subsequently granted permission following an appeal in January 2013. Attached to the appeal decision were the following conditions:

“Condition 15 – No dwelling hereby approved shall be occupied until vehicular access has been provided to it in accordance with plan ITB7022-SK-007 Rev C hereby approved and any layout subsequently approved as a reserved matter”; and

“Condition 16 – The visibility splays shown on plan ITB7022-SK-007 Rev C hereby approved shall be provided prior to the occupation of any dwelling and shall thereafter be permanently retained and kept free of any obstruction above a height of 600mm.”

- 1.2.4 The information submitted as part of this reserved matters application relates to the transport matters relevant to the above conditions, i.e. the site access arrangements. It also deals with transport and highways matters relating to the proposed detailed site layout, i.e. parking and refuse collection arrangements.

1.3 Report Structure

- 1.3.1 The remainder of this report is therefore structured as follows:

- Section 2 – proposed development;
- Section 3 – site access; and
- Section 4 – summary and conclusions.

SECTION 2 PROPOSED DEVELOPMENT

2.1 Proposal

- 2.1.1 It is proposed to construct 44 no. dwellings at Yapton Road consisting of 30 open market dwellings and 14 affordable dwellings. The proposed accommodation schedule is summarised in Table 2.1:

Table 2.1: Proposed Accommodation Schedule

Number of Beds	Private	Affordable	Total
2	3	6	9
3	18	6	24
4	9	2	11
Total	30	14	44

Source: Architect's Site Layout

2.2 Parking

- 2.2.1 Parking for the proposed development will be provided in accordance with WSCC's car parking calculator spreadsheet. Table 2.2 provides a summary of the number of parking spaces to be provided. A copy of the WSCC's parking calculator is included in Appendix B.

Table 2.2: Parking Provision

Allocated	Unallocated	Total
99	15	114

Source: Architect's Site Layout

- 2.2.2 The allocated parking spaces for the proposed development are provided through a mixture of garages, on-plot and on-street parking spaces. Each of the allocated parking spaces is located in close proximity to the relevant residential dwelling.
- 2.2.3 The proposed unallocated parking spaces are distributed across the site to ensure that the spaces are located near to the residential dwellings and to deter inconsiderate parking occurring on the internal site roads.

2.3 Refuse Collection

- 2.3.1 Refuse collection will take place within the site and drawing number ITB10358-GA-006 rev C demonstrates that a refuse vehicle can enter, circulate around the site and exit in forward gear. Where the refuse vehicle is required to turn within the site, adequate turning heads are provided to facilitate this manoeuvre.

SECTION 3 SITE ACCESS

3.1 Outline Planning Application

3.1.1 The proposed site access was previously approved as part of outline permission BN/7/12. The permitted site access consisted of a simple priority junction with 8.0m kerb radii and 2.0m footways either side of the 6.0m wide site access road. Visibility splays of 2.4m x 71m to the west and 2.4m x 148m to the east were shown on drawing number ITB7022-SK-007 rev C.

3.1.2 The proposed site access also included localised road widening of Yapton Road to accommodate the proposed site access for the Angel's Nursery development.

3.2 Proposed Site Access

Pre Application Discussions

3.2.1 The proposed site access was discussed in detail with WSCC prior to submission of the reserved matters application. The following amendments are agreed:

- Visibility splays to be provided in accordance with 85th percentile speeds for Yapton Road to minimise vegetation clearance and future maintenance of hedgerows on Yapton Road;
- Site access road to be reduced from 6.0m to 5.5m in accordance with the Manual for Streets design guidance;
- 2.0m footway to be provided on eastern side of the site access road to accommodate eastbound pedestrian movements from the site. Westbound pedestrian movements will be accommodated by the proposed footway/cycleway link to Crescent Gardens;
- Kerb radii to be reduced from 8.0m to 6.0m; and
- No localised widening to be provided at the site access as 3.0m lane widths can be maintained at this location.

3.3 Visibility

3.3.1 In accordance with the requirements of WSCC, the speed data collected as part of the outline planning application was interrogated to inform the required site access visibility splays. Table 3.1 summarises the average and 85th percentile speeds for eastbound and westbound vehicles. The full results of the traffic survey are included in Appendix C.

Table 3.1: Yapton Road – Recorded Speeds

Direction of Travel	Average Speed (mph)	85 th Percentile Speed (mph)
Eastbound	33.1	38.4
Westbound	32.6	38.3

Source: Traffic Surveys

3.3.2 Table 3.1 demonstrates that the average and 85th percentile speeds exceed the 30mph speed limit on Yapton Road Barnham.

3.3.3 In accordance with guidance in the Manual for Streets, visibility splays of 2.4m x 62m to the west and 2.4m x 61m to the east are achievable within the highway without obstruction. Drawing number ITB10358-GA-005 rev E illustrates the proposed access arrangement and the visibility splays.

3.3.4 As identified by the speed survey, vehicle speeds along Yapton Road exceed the posted 30 mph speed limit. Therefore, it is proposed to highlight the existing 30mph roundels on Yapton Road using a different coloured surfacing. This has been included following pre-application consultation with the Parish Council.

3.4 Width

3.4.1 The proposed site access road has been reduced from 6.0m to 5.5m in accordance with the Manual for Streets guidance. Drawing number ITB10358-GA-008 rev B demonstrates that there is sufficient width to allow a car to turn into the site access while one waits to exit the development.

3.5 Pedestrian and Cycle Access

3.5.1 It is proposed development will be accessible for pedestrians and cyclists via the proposed site access road from Yapton Road and from Crescent Gardens via the proposed pedestrian and cycle link.

- 3.5.2 The proposed site access road will include a 2.0m footway for pedestrians with cyclists expected to travel on carriageway as currently required on Yapton Road. The footway link will accommodate eastbound pedestrian movements from the site.
- 3.5.3 A 3.0m footway/cycleway link will be provided to the west of the site which provides a direct link to Cresecent Gardens. The link will provide for westbound pedestrian/cycle movements from the site including towards Barnham Rail Station and the services and facilities located in the village centre.

SECTION 4 SUMMARY AND CONCLUSIONS

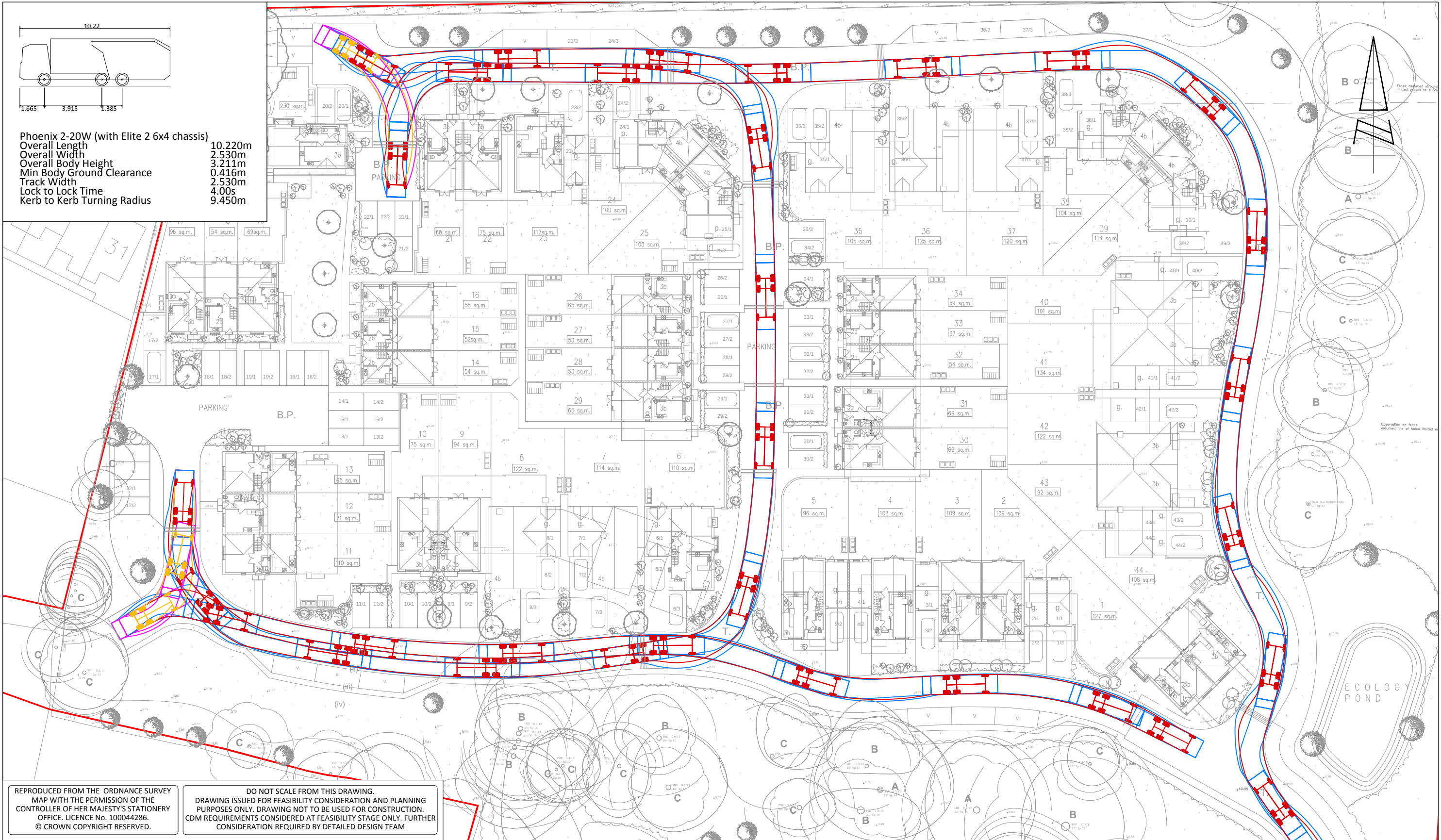
4.1 Summary

- 4.1.1 Crayfern Homes has appointed i-Transport to provide highway and transport advice for a detailed planning application for the proposed development of 44 residential dwellings at Yapton Road, Barnham.
- 4.1.2 The location of the proposed site access was previously approved as part of application BN/7/12. As part of the pre-application discussions the details relating to the proposed site access have been amended. However, the location and form of access remains the same as that approved as part of the outline planning application. As part of pre-application discussions the proposed amendments to the access have been agreed with WSCC.
- 4.1.3 The proposed access arrangement fully complies with the design guidance set out in the Manual for Streets in terms of visibility, width and provision for servicing.
- 4.1.4 It has been demonstrated that parking for the proposed development is in accordance with WSCC's parking standards, with an appropriate mix of allocated and unallocated parking spaces to be provided throughout the development.
- 4.1.5 Refuse collection for the proposed development will be undertaken within the site. The refuse vehicle swept path analysis demonstrates that the refuse vehicle can enter and exit the site in forward gear, whilst turning manoeuvres are minimised throughout the site.

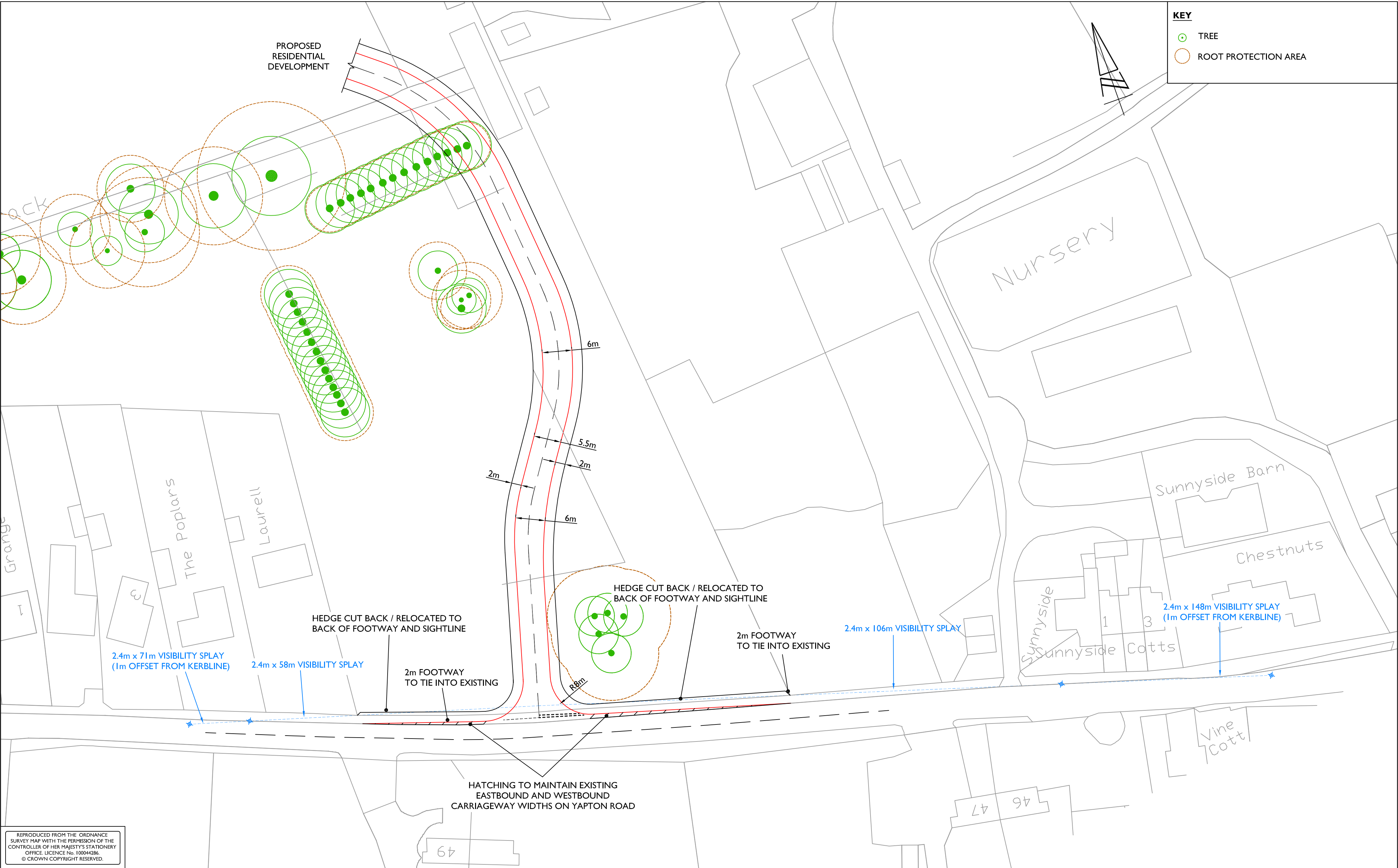
4.2 Conclusion

- 4.2.1 In conclusion, the site achieves safe and suitable access from Yapton Road, in accordance with that agreed as part of the outline planning permission. The proposed development is therefore acceptable in highways and transport terms.

DRAWINGS



 Grove House, Lutyens Close, Chineham Basingstoke, Hampshire, RG24 8AG www.i-transport.co.uk	C	24.06.15	SH	SITE LAYOUT REVISED	RH	JCB	TITLE: SWEPT PATH ANALYSIS - LARGE REFUSE VEHICLE	SCALE @ A3: 1:500	CHECKED: RH	APPROVED: JCB	
	B	08.06.15	HL	ISSUED FOR PLANNING	RH	JCB		FILE REF: ITB10358-GA-006	DRAWN: HL	DATE: APRIL 2015	
	A	27.04.15	HL	UPDATED SITE LAYOUT	RH	JCB					
	REV	DATE	BY	DESCRIPTION	CHK	APD		PROJECT: YAPTON ROAD, BARNHAM	CLIENT: CRAYFERN HOMES	DRAWING No: ITB10358-GA-006	
	STATUS: ISSUED							PROJECT No: ITB10358 REV: C			



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C	1/06/12	TK	MINOR AMENDMENTS
B	9/02/12	TK	MINOR AMENDMENTS
A	27/01/12	TK	MINOR AMENDMENTS

MG	MG
JM	MG
MG	MG

REV	DATE	BY	DESCRIPTION
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STATUS: PLANNING

TITLE:

PROPOSED SITE ACCESS FROM B2233 YAPTON ROAD -
SIMPLE PRIORITY JUNCTION WITH MINOR WIDENING
TO ACCOMMODATE THE ANGELS DEVELOPEMENT ACCESS ARRANGEMENT

PROJECT:

YAPTON ROAD, BARNHAM

CLIENT:

WELBECK STRATEGIC LAND

DRAWING No:

ITB7022-SK-007

PROJECT No:

ITB7022

REV:

C

SCALE @ A2:

1:500

CHECKED:

JM

APPROVED:

MG

FILE REF:

ITB7022-SK-007

DRAWN:

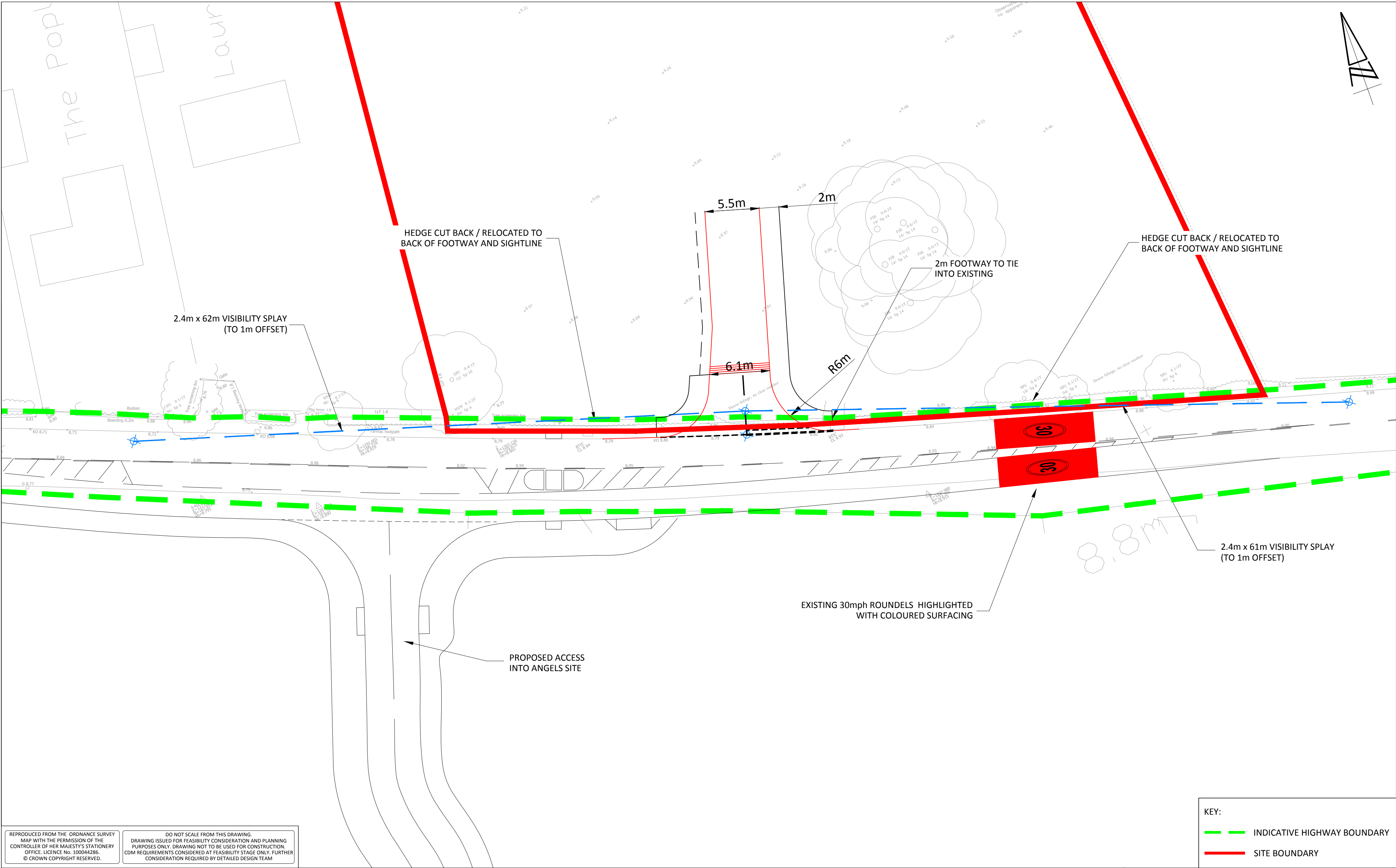
MGH

DATE:

NOV 2011

ITB7022-SK-007

ARUN DISTRICT COUNCIL B2026/51/RES

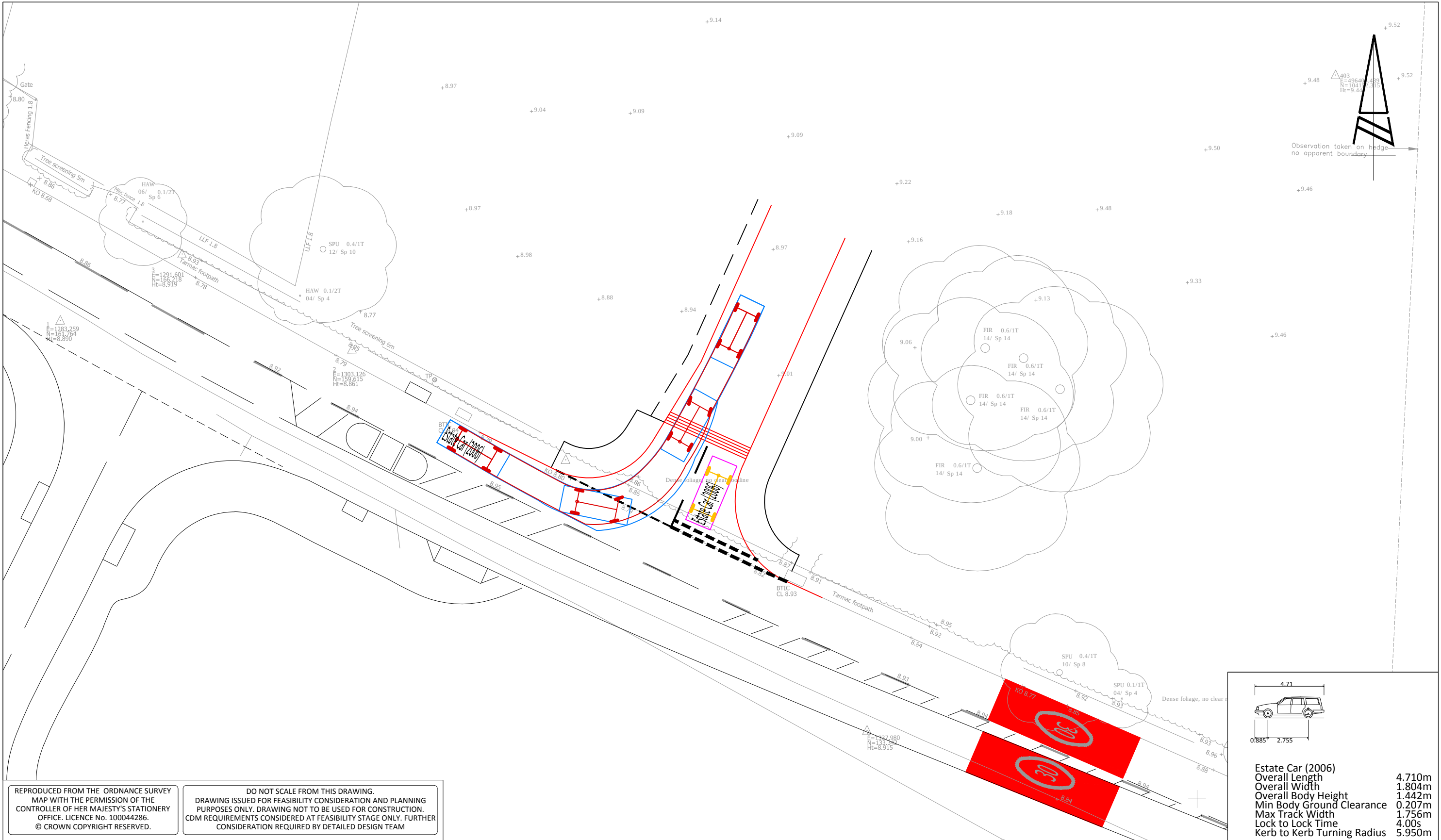


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CONSIDERATION REQUIRED BY DETAILED DESIGN TEAM.

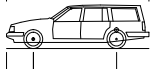
KEY:		
	INDICATIVE HIGHWAY BOUNDARY	
	SITE BOUNDARY	

 Grove House, Lutyens Close, Chineham Basingstoke, Hampshire, RG24 8AG www.i-transport.co.uk Tel: 01256 338640 Fax: 01256 338644	E	08.06.15	HL	ISSUED FOR PLANNING	RH	JCB	TITLE: VISIBILITY SPLAYS IN ACCORDANCE WITH 85th PERCENTILE SPEEDS	SCALE @ A2: 1:250	CHECKED: JCB	APPROVED: JCB		
	D	02.06.15	HL	MINOR AMENDMENTS	RH	JCB		FILE REF: ITB10358	DRAWN: SH	DATE: APRIL 2015		
	C	28.05.15	PH	COLOUR SURFACING AND NOTE ADDED	RH	JCB		PROJECT: YAPTON ROAD, BARNHAM	CLIENT: CRAYFERN HOMES	DRAWING No: ITB10358-GA-005		
	B	13.05.15	SH	MINOR AMENDMENTS	RH	JCB					PROJECT No: ITB10358	REV: E
	REV	DATE	BY	DESCRIPTION	CHK	APD						
STATUS: ISSUED												



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Estate Car (2006)	
Overall Length	4.710m
Overall Width	1.804m
Overall Body Height	1.442m
Min Body Ground Clearance	0.207m
Max Track Width	1.756m
Lock to Lock Time	4.00s
Kerb to Kerb Turning Radius	5.950m

 Grove House, Lutyens Close, Chineham Basingstoke, Hampshire, RG24 8AG www.i-transport.co.uk Tel: 01256 338640 Fax: 01256 338644		B	08.06.15	HL	ISSUED FOR PLANNING	RH	JB	TITLE: PROPOSED SITE ACCESS - SWEEP PATH ANALYSIS - LARGE CAR		SCALE @ A3: 1:250	CHECKED: RH	APPROVED: JCB
		A	26.05.15	PH	COLOURED SURFACING ADDED	RH	JB			FILE REF: ITB10358	DRAWN: SH	DATE: MAY 2015
		REV	DATE	BY	DESCRIPTION	CHK	APD	PROJECT: YAPTON ROAD, BARNHAM	CLIENT: CRAYFERN HOMES	DRAWING No: ITB10358-GA-008		
		STATUS: ISSUED								PROJECT No: ITB10358		

APPENDIX A

Site Layout Plan



SCHEDULE OF UNITS - 44 Total

LEGEND :

ORDNANCE SURVEY APPLICATION SITE BOUNDARY

INDICATES INDIVIDUAL BIN STORE FOR 3 BINS IN EACH PRIVATE GARDEN

INDICATES CYCLE STORE FOR 2NO. CYCLES TO DWELLINGS WITHOUT A GARAGE.

NOTE : ALL GARAGES TO MEASURE A MINIMUM OF 6x3m INTERNALLY. CYCLE STORAGE TO REAR OF EACH GARAGE.

BLUE NUMBERING INDICATES H.A. RENTED UNITS

GREEN NUMBERING INDICATES H.A. SHARED OWNERSHIP UNITS

GARDEN SIZE IN SQUARE METRES

G. INDICATES GARAGE

P. INDICATES COVERED PARKING

T. INDICATES TARMAC ROAD FINISH

B.P. INDICATES BLOCK PAVED ROAD FINISH - All private drives are Block Paved.

B.F. REFERS TO STREET SCENE ELEVATIONS - SEE SEPARATE SHEET FOR DETAILS.

2 REFERS TO SITE SECTIONS - SEE SEPARATE SHEET FOR DETAILS.

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client

GRAYFERN HOMES

project

RESIDENTIAL DEVELOPMENT
YAPTON ROAD
BARNHAM
WEST SUSSEX

drawing

SITE PLAN

scale date job no. dwg no. rev.
1:500 @A1 MAR.15 1505 2:10 -

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APPENDIX B

West Sussex County Council's Parking Calculator

WEST SUSSEX COUNTY COUNCIL CAR OWNERSHIP PARKING DEMAND TOOL

This parking demand tool has been compiled by West Sussex County Council. If you have queries relating to the information provided or require additional information please contact darryl.hemmings@westsussex.gov.uk.

Please input the ward name for your development location below by double clicking in the box or click box and use the drop down menu to the right of the box. The spreadsheet will automatically show the District and Ward of this location. If the ward is not known please input postcode into the Ward Finder. The tool will allow input up to 3 wards in the boxes below. Please refer to notes for more details.

Ward 1	Barnham
District	Arun
Ward 2	
District	
Ward 3	
District	
Ward Tempro Factor 2009-2026	1.052438
District Tempro Factor 2009-2026	1.067644



west
sussex
county
council

Ward Finder

Postcode		Ward	
----------	--	------	--

Note:

No special provision need be made for visitors where at least half of the total parking provision associated with a development is unallocated. In other circumstances, it may be appropriate to allow for additional visitor parking of up to 0.2 spaces per dwelling.

In areas of parking constraint, levels of provision below predicted demand may be applicable.

The tool is expressed as number of Rooms (Per Unit). If data is not available in this format and nurseries or student accommodation is used this will need to be converted. A general guide for conversion is as follows but not applicable in some cases.

Houses	Flats
1 bed = 3 rooms	Studio = 1 room
2 bed = 4 rooms	1 bed = 2 rooms
3 bed = 5 rooms	2 bed = 3 rooms
4 bed = 6 rooms	3 bed = 4 rooms
5 bed = 7 rooms	4 bed = 5 rooms

Garages will count as 1 space when allocating spaces.

Ward data used can be checked by the user by referring to the District-Ward Data Tables. The Ward Data Tables highlight if the Census data does not include data for certain dwelling sizes. In such cases census data values have been obtained using the nearest sized dwelling with same tenure and ward. For example, if census data is available for a private house with 1 room then data for a private house with 2 rooms has been used. The Car Ownership Data is highlighted in purple where such an approach has been used. Where Census data contains small samples for certain sized dwellings this is highlighted in red if <20, and green if <50 dwellings in the Demand column. In such cases, other wards should be selected to achieve a higher sample size.

Report Summary Table

DEVELOPMENT MIX				
Ref.	Unit Type	Unit Tenure	Habitable Rooms (Per Unit)	No. of Units (Total)
A	Houses	Private	4	3
B	Houses	Private	5	18
C	Houses	Private	6	9
D	Houses	Council/Housing Association (not including shared ownership)	4	6
E	Houses	Council/Housing Association (not including shared ownership)	5	6
F	Houses	Council/Housing Association (not including shared ownership)	6	2
G				
H				
I				
J				
K				
L				
M				
N				
O				
P				
Q				
R				
S				
Total				44

ALLOCATED PARKING
Spaces (Per Unit)
2
2
3+
2
2
3+

PARKING DEMAND					
Allocated No.	Unallocated for Residents		Unallocated for Visitors		Total Demand
	per unit	Total	per unit	Total	
6	0	0	0	1	7
36	0	3	0	4	42
27	0	0	0	2	29
12	0	1	0	1	14
12	0	1	0	1	14
6	0	0	0	0	6
99		5.22		8.80	113

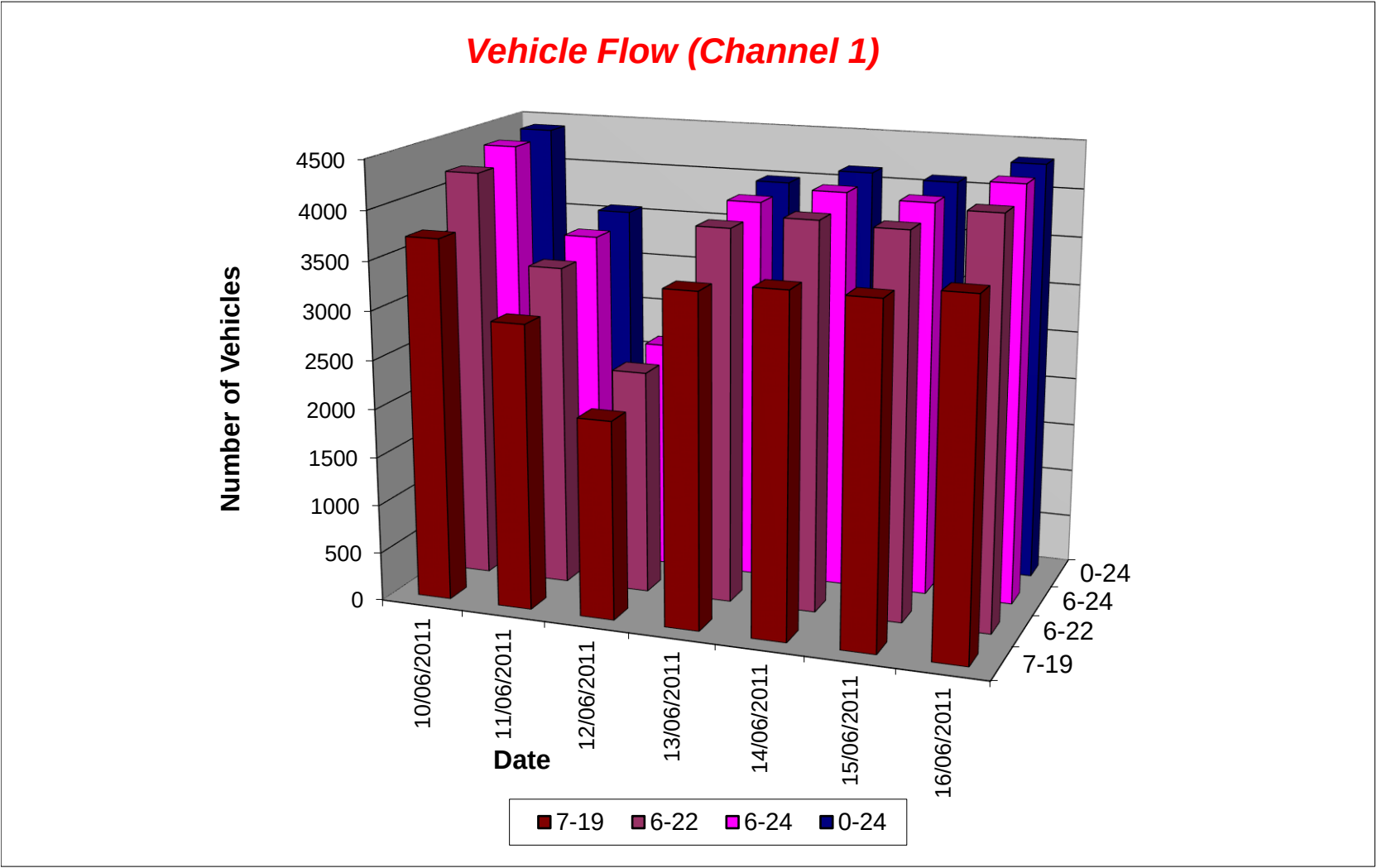
APPENDIX C

Traffic Surveys

1106 06 Barnham ATC, B2233 Yapton Road

Base Point Data

Channel 1 - Eastbound								Vehicle Flow	Week 1
Hr Ending	10/06/2011 Friday	11/06/2011 Saturday	12/06/2011 Sunday	13/06/2011 Monday	14/06/2011 Tuesday	15/06/2011 Wednesday	16/06/2011 Thursday	5 Day Ave	7 Day Ave
1	26	46	37	16	25	22	24	23	28
2	5	17	14	7	1	3	4	4	7
3	2	6	6	4	9	3	2	4	5
4	4	6	2	2	3	5	5	4	4
5	2	10	10	7	7	12	7	7	8
6	10	23	8	21	12	14	12	14	14
7	71	53	32	53	60	53	62	60	55
8	191	139	48	171	182	176	203	185	159
9	319	156	76	274	289	292	310	297	245
10	244	209	131	225	252	236	269	245	224
11	220	267	224	206	192	221	229	214	223
12	284	282	246	237	240	252	224	247	252
13	278	321	227	248	251	254	264	259	263
14	282	257	222	242	218	240	245	245	244
15	293	282	202	277	287	274	287	284	272
16	470	300	213	409	365	383	408	407	364
17	449	260	181	373	432	397	400	410	356
18	397	246	137	426	432	427	418	420	355
19	285	211	134	303	331	309	315	309	270
20	200	153	104	166	195	175	210	189	172
21	140	91	77	132	145	144	138	140	124
22	94	79	48	88	95	99	166	108	96
23	80	89	42	68	80	77	83	78	74
24	60	66	28	36	42	30	47	43	44
7-19	3712	2930	2041	3391	3471	3461	3572	3521	3225
6-22	4217	3306	2302	3830	3966	3932	4148	4019	3672
6-24	4357	3461	2372	3934	4088	4039	4278	4139	3790
0-24	4406	3569	2449	3991	4145	4098	4332	4194	3856



1106 06 Barnham ATC, B2233 Yapton Road

Base Point Data

Channel 1 - Eastbound				Average Speed			Week 1
Hr Ending	10/06/2011 Friday	11/06/2011 Saturday	12/06/2011 Sunday	13/06/2011 Monday	14/06/2011 Tuesday	15/06/2011 Wednesday	16/06/2011 Thursday
1	36.8	40.2	38.8	36.1	40.5	39.0	38.9
2	39.0	37.7	40.5	40.9	25.5	41.3	32.4
3	35.5	49.2	38.4	45.5	51.1	38.0	31.8
4	38.0	31.3	35.5	40.5	38.0	39.0	29.0
5	38.0	38.5	43.0	42.3	33.0	36.8	36.6
6	30.8	38.1	36.8	36.3	38.6	35.3	37.4
7	38.2	36.5	36.5	36.3	36.6	36.0	36.3
8	32.8	35.1	34.7	34.7	35.3	34.3	33.5
9	31.9	33.2	32.5	33.6	33.4	32.5	32.4
10	31.4	33.5	32.3	33.1	33.7	31.9	32.8
11	31.1	32.2	32.9	32.3	32.2	32.3	32.9
12	31.2	33.4	33.3	32.2	31.6	32.4	31.2
13	32.1	32.4	32.6	32.4	32.7	31.6	32.6
14	32.6	31.8	32.5	33.0	33.0	33.4	32.7
15	31.2	32.4	34.6	33.4	32.0	31.8	32.7
16	30.2	32.9	33.0	31.8	31.4	31.3	31.9
17	32.1	33.5	34.4	33.8	31.5	30.7	33.3
18	33.2	33.4	34.5	32.3	32.2	31.9	32.9
19	34.1	34.4	34.2	34.0	32.2	33.2	34.6
20	35.4	35.1	36.4	33.1	34.1	33.1	33.7
21	35.2	35.0	36.3	33.7	34.9	34.2	35.0
22	34.5	34.6	35.0	34.3	33.4	33.8	32.5
23	34.0	35.0	35.1	35.1	35.0	34.1	34.9
24	35.0	38.2	36.0	34.2	37.2	39.9	37.0
10-12	31.2	32.8	33.1	32.3	31.9	32.3	32.1
14-16	30.6	32.7	33.8	32.4	31.7	31.5	32.2
0-24	32.5	33.6	33.9	33.2	32.9	32.5	33.1

7 Day Ave	33.1
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85th Percentile

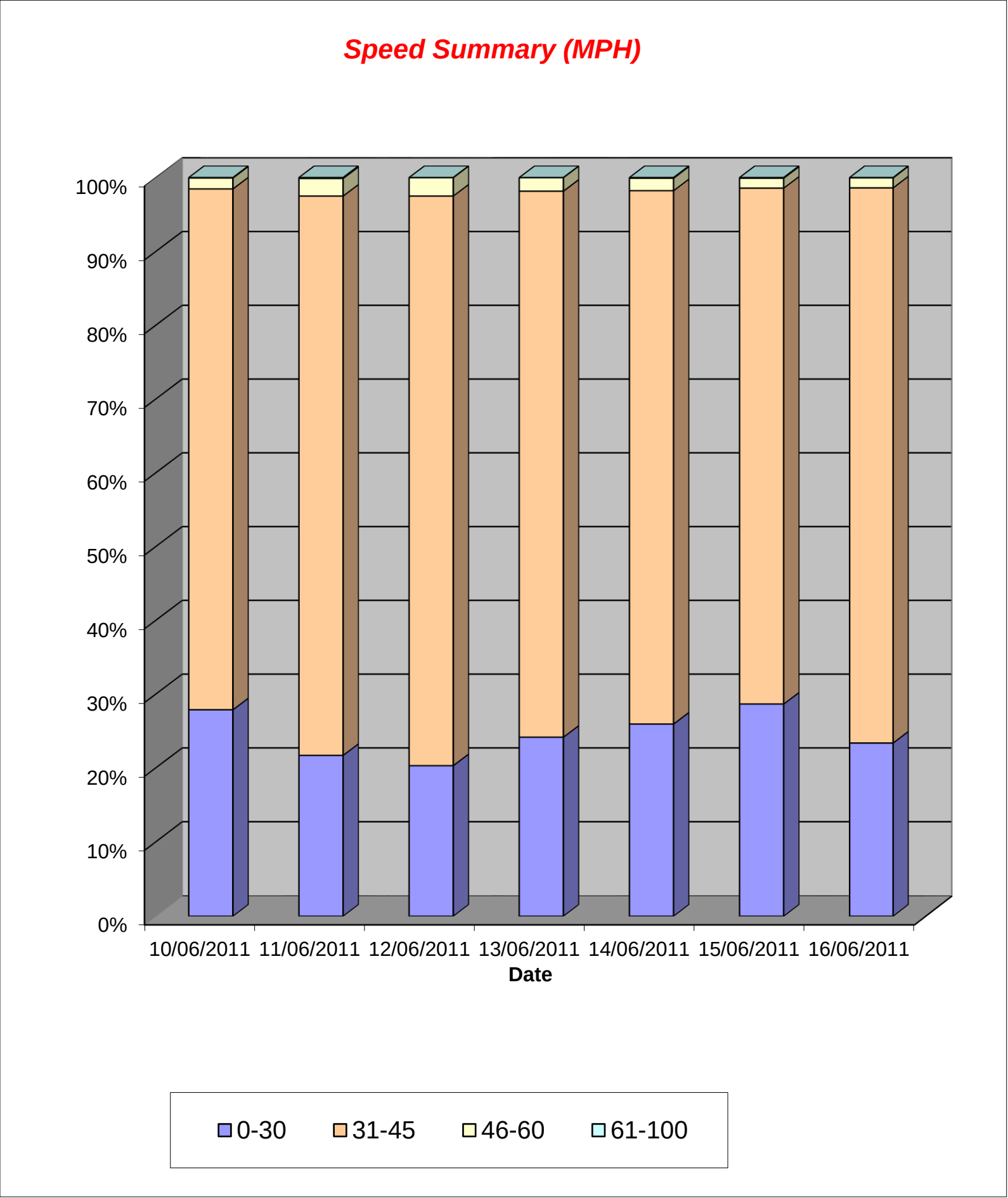
Hr Ending	10/06/2011 Friday	11/06/2011 Saturday	12/06/2011 Sunday	13/06/2011 Monday	14/06/2011 Tuesday	15/06/2011 Wednesday	16/06/2011 Thursday
1	43.7	48.6	49.0	43.7	48.9	48.7	43.2
2	43.5	43.3	53.4	48.9	26.2	48.9	38.5
3	38.6	65.8	48.3	53.8	58.5	43.5	38.3
4	43.3	43.8	38.2	48.0	43.4	48.1	43.3
5	43.3	43.8	53.2	53.5	43.1	48.8	43.0
6	38.8	43.6	43.6	43.9	48.8	48.4	43.5
7	48.0	44.0	43.4	43.4	43.5	43.5	43.2
8	38.8	43.9	43.4	43.7	43.8	38.5	38.9
9	38.8	38.2	43.7	38.5	38.6	38.2	38.6
10	38.7	38.7	38.3	38.5	38.8	38.3	38.8
11	38.0	39.0	38.6	38.5	38.0	38.1	38.9
12	38.4	38.2	38.2	38.4	38.2	38.6	38.3
13	38.9	38.5	38.2	38.4	38.1	38.2	38.5
14	38.8	38.1	38.6	38.3	38.1	38.9	38.1
15	38.4	39.0	38.1	38.1	38.3	38.1	38.6
16	39.0	38.7	38.5	38.2	38.1	38.4	38.4
17	38.9	38.0	38.9	39.0	38.0	38.3	39.0
18	38.1	38.6	38.3	38.1	38.5	38.9	38.1
19	43.9	38.1	38.8	38.4	38.7	38.8	43.9
20	43.4	43.1	43.4	38.4	38.5	38.3	38.6
21	43.5	38.8	43.3	43.5	38.8	43.7	43.3
22	38.8	43.3	43.9	43.2	38.1	38.3	38.1
23	43.1	43.0	43.6	43.5	43.2	38.1	43.5
24	43.6	43.3	43.6	43.3	43.7	48.0	43.2
10-12	38.5	38.4	38.4	38.6	38.5	38.3	39.0
14-16	38.3	38.3	38.1	38.5	38.4	38.8	38.1
0-24	38.6	38.9	38.6	38.2	38.1	38.3	38.0

7 Day Ave	38.4
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1106 06 Barnham ATC, B2233 Yapton Road

Base Point Data

Channel 1 - Eastbound				Speed Summary			Week 1
Speed (MPH)	10/06/2011 Friday	11/06/2011 Saturday	12/06/2011 Sunday	13/06/2011 Monday	14/06/2011 Tuesday	15/06/2011 Wednesday	16/06/2011 Thursday
0-30	1228	774	497	964	1075	1174	1012
31-45	3111	2706	1891	2954	2997	2866	3260
46-60	65	85	61	73	70	55	59
61-100	2	4	0	0	3	3	1
TOTAL	4406	3569	2449	3991	4145	4098	4332

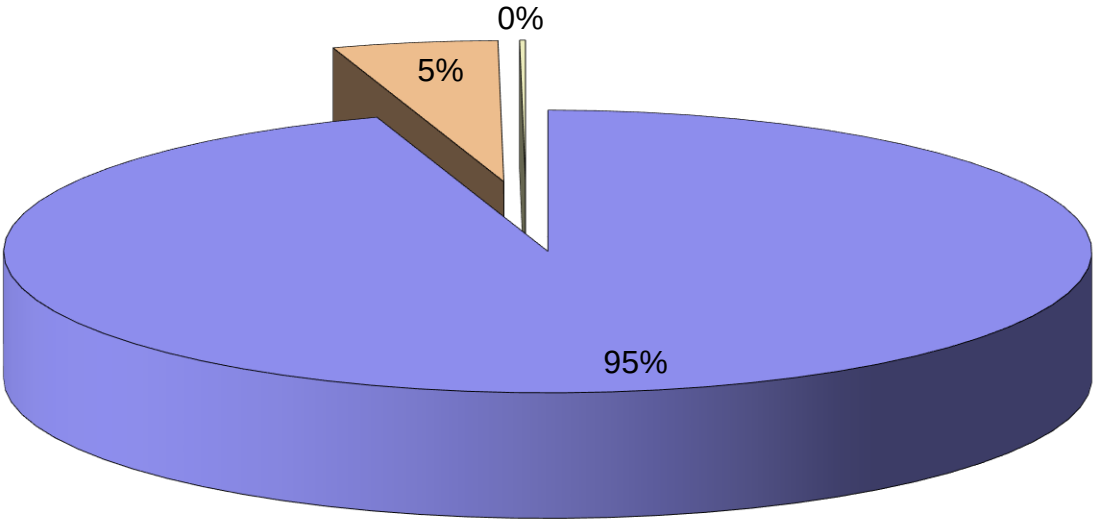


1106 06 Barnham ATC, B2233 Yapton Road

Base Point Data

Channel 1 - Eastbound		Vehicle Class		Week 1
Classes Day / Time	Car / LGV / Caravan - 1	OGV1 / Bus - 2,3,5,6,7,12	OGV2 - 4,8,9,10,11,13	TOTAL - 1-13
10/06/2011				
7-19	3512	190	10	3712
6-22	4002	205	10	4217
6-24	4141	206	10	4357
0-24	4189	207	10	4406
11/06/2011				
7-19	2836	93	1	2930
6-22	3199	106	1	3306
6-24	3351	109	1	3461
0-24	3450	118	1	3569
12/06/2011				
7-19	1976	62	3	2041
6-22	2226	73	3	2302
6-24	2294	75	3	2372
0-24	2368	78	3	2449
13/06/2011				
7-19	3190	192	9	3391
6-22	3613	208	9	3830
6-24	3713	210	11	3934
0-24	3765	215	11	3991
14/06/2011				
7-19	3263	198	10	3471
6-22	3742	212	12	3966
6-24	3862	214	12	4088
0-24	3914	219	12	4145
15/06/2011				
7-19	3242	215	4	3461
6-22	3696	232	4	3932
6-24	3799	236	4	4039
0-24	3850	244	4	4098
16/06/2011				
7-19	3356	211	5	3572
6-22	3907	235	6	4148
6-24	4033	239	6	4278
0-24	4080	246	6	4332
Average				
7-19	3054	166	6	3225
6-22	3484	182	6	3672
6-24	3599	184	7	3790
0-24	3659	190	7	3856

Total Vehicle Class Distribution

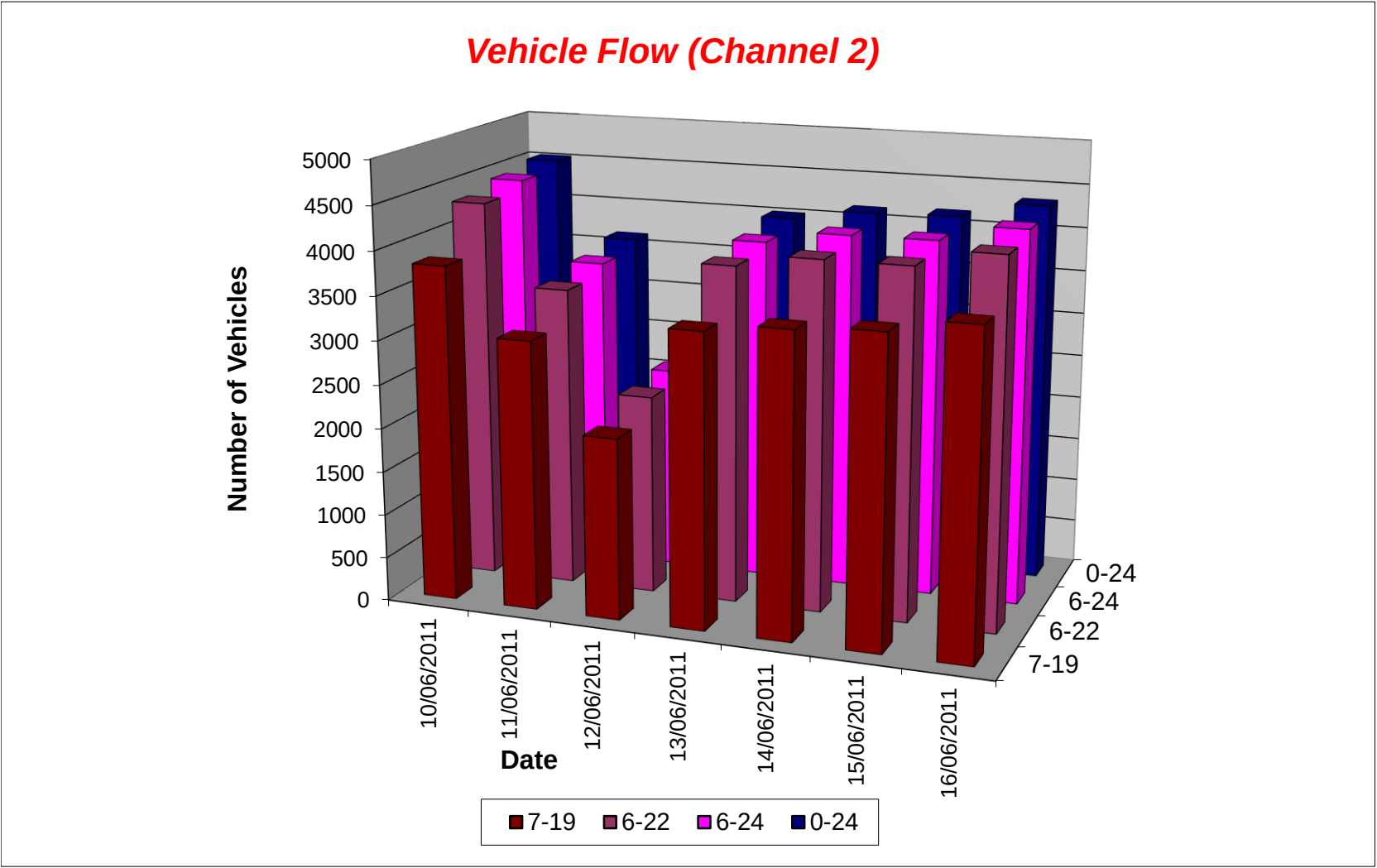


1106 06 Barnham ATC, B2233 Yapton Road

Base Point Data

Channel 2 - Westbound					Vehicle Flow			Week 1	
	10/06/2011	11/06/2011	12/06/2011	13/06/2011	14/06/2011	15/06/2011	16/06/2011		
Hr Ending	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	5 Day Ave	7 Day Ave
1	11	26	33	9	4	9	6	8	14
2	4	20	11	3	5	4	3	4	7
3	4	4	3	3	2	1	2	2	3
4	6	5	5	6	3	7	5	5	5
5	12	18	7	18	15	12	23	16	15
6	44	29	25	55	47	57	46	50	43
7	158	51	28	176	171	172	174	170	133
8	379	89	67	365	358	368	365	367	284
9	499	202	83	493	435	443	479	470	376
10	286	310	163	244	278	257	335	280	268
11	258	367	254	233	236	250	295	254	270
12	265	412	242	236	248	269	260	256	276
13	261	336	275	217	238	238	235	238	257
14	300	270	222	214	248	238	268	254	251
15	331	275	198	289	264	285	288	291	276
16	349	205	137	325	282	307	268	306	268
17	348	226	160	249	313	312	296	304	272
18	321	228	131	261	302	294	276	291	259
19	226	149	138	212	237	236	287	240	212
20	174	138	70	156	176	151	152	162	145
21	112	90	74	108	117	99	105	108	101
22	75	76	35	64	80	64	92	75	69
23	65	68	33	56	50	56	51	56	54
24	39	41	17	21	30	33	34	31	31

7-19	3823	3069	2070	3338	3439	3497	3652	3550	3270
6-22	4342	3424	2277	3842	3983	3983	4175	4065	3718
6-24	4446	3533	2327	3919	4063	4072	4260	4152	3803
0-24	4527	3635	2411	4013	4139	4162	4345	4237	3890



1106 06 Barnham ATC, B2233 Yapton Road

Base Point Data

Channel 2 - Westbound				Average Speed			Week 1
Hr Ending	10/06/2011 Friday	11/06/2011 Saturday	12/06/2011 Sunday	13/06/2011 Monday	14/06/2011 Tuesday	15/06/2011 Wednesday	16/06/2011 Thursday
1	47.3	37.8	41.2	33.8	38.0	31.3	37.6
2	37.4	37.0	42.8	34.7	33.5	37.4	28.0
3	33.6	37.4	38.0	47.2	43.0	48.0	24.2
4	34.2	30.5	31.9	38.4	40.5	33.7	29.0
5	32.4	34.8	40.5	35.2	40.2	40.5	38.4
6	37.6	37.9	37.5	36.6	39.6	39.4	36.5
7	37.0	36.9	35.9	35.6	37.0	35.0	35.2
8	32.9	36.1	34.5	33.5	33.1	32.7	31.9
9	31.1	34.3	33.4	31.3	31.6	31.1	30.7
10	31.2	32.6	32.5	31.2	32.3	30.7	31.3
11	31.1	30.7	32.6	32.1	31.4	30.8	31.0
12	31.2	31.4	31.3	31.3	31.4	31.3	31.7
13	31.1	31.8	31.9	32.6	32.4	30.8	32.1
14	31.6	31.6	32.4	32.3	31.6	30.4	32.4
15	32.2	33.4	33.0	32.2	31.6	31.4	32.2
16	30.9	33.1	33.8	31.6	31.9	31.1	32.6
17	31.4	33.2	34.9	32.4	31.8	30.7	32.9
18	33.7	33.0	34.5	31.6	31.8	31.3	32.7
19	34.1	35.6	35.3	33.5	33.2	32.7	34.7
20	34.1	35.3	36.1	33.3	33.1	32.7	34.7
21	35.2	34.1	34.6	33.4	35.2	34.3	35.6
22	34.0	33.7	33.6	33.5	34.1	32.0	33.8
23	34.7	34.6	37.5	35.2	34.8	33.4	36.1
24	32.9	35.3	36.8	36.7	38.4	38.6	36.9

10-12	31.1	31.1	31.9	31.7	31.4	31.1	31.3
14-16	31.5	33.2	33.3	31.9	31.8	31.2	32.4
0-24	32.4	33.0	33.5	32.5	32.6	31.8	32.6

7 Day Ave	32.6
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85th Percentile

Hr Ending	10/06/2011 Friday	11/06/2011 Saturday	12/06/2011 Sunday	13/06/2011 Monday	14/06/2011 Tuesday	15/06/2011 Wednesday	16/06/2011 Thursday
1	65.8	43.3	48.7	38.6	43.2	33.6	48.8
2	48.5	43.3	48.5	38.3	43.2	43.8	33.3
3	43.9	48.2	43.6	65.6	43.3	48.5	33.7
4	43.5	53.5	48.2	53.2	53.8	43.2	38.4
5	43.4	48.2	53.5	43.1	53.1	48.9	48.8
6	48.8	43.6	43.7	43.4	48.5	48.4	43.7
7	43.8	43.4	48.8	44.0	43.8	38.3	38.4
8	38.7	43.9	38.4	38.5	38.8	38.8	38.1
9	33.7	43.5	38.9	38.5	38.3	38.2	33.4
10	39.0	38.2	38.7	39.0	39.0	38.4	38.3
11	38.3	33.7	38.1	38.2	38.8	38.2	33.7
12	38.5	33.7	33.6	38.4	38.7	38.9	38.3
13	38.4	38.6	38.7	38.4	38.9	38.6	38.8
14	38.7	38.8	38.0	38.3	38.9	33.4	38.2
15	38.2	38.2	38.4	38.5	38.4	38.4	38.6
16	38.4	38.8	38.4	38.1	38.1	33.9	39.0
17	38.5	38.2	38.3	38.5	39.0	38.6	38.2
18	38.8	39.0	39.0	39.0	38.8	38.9	38.9
19	38.5	43.1	38.8	38.6	38.7	38.5	38.1
20	38.4	38.1	43.7	38.9	38.4	38.3	44.0
21	43.5	38.8	38.4	38.7	43.0	38.9	43.6
22	38.2	38.4	43.7	38.4	38.2	38.3	43.6
23	43.6	38.5	48.3	43.7	43.2	38.3	43.9
24	43.5	43.1	43.4	43.1	43.5	48.2	38.6

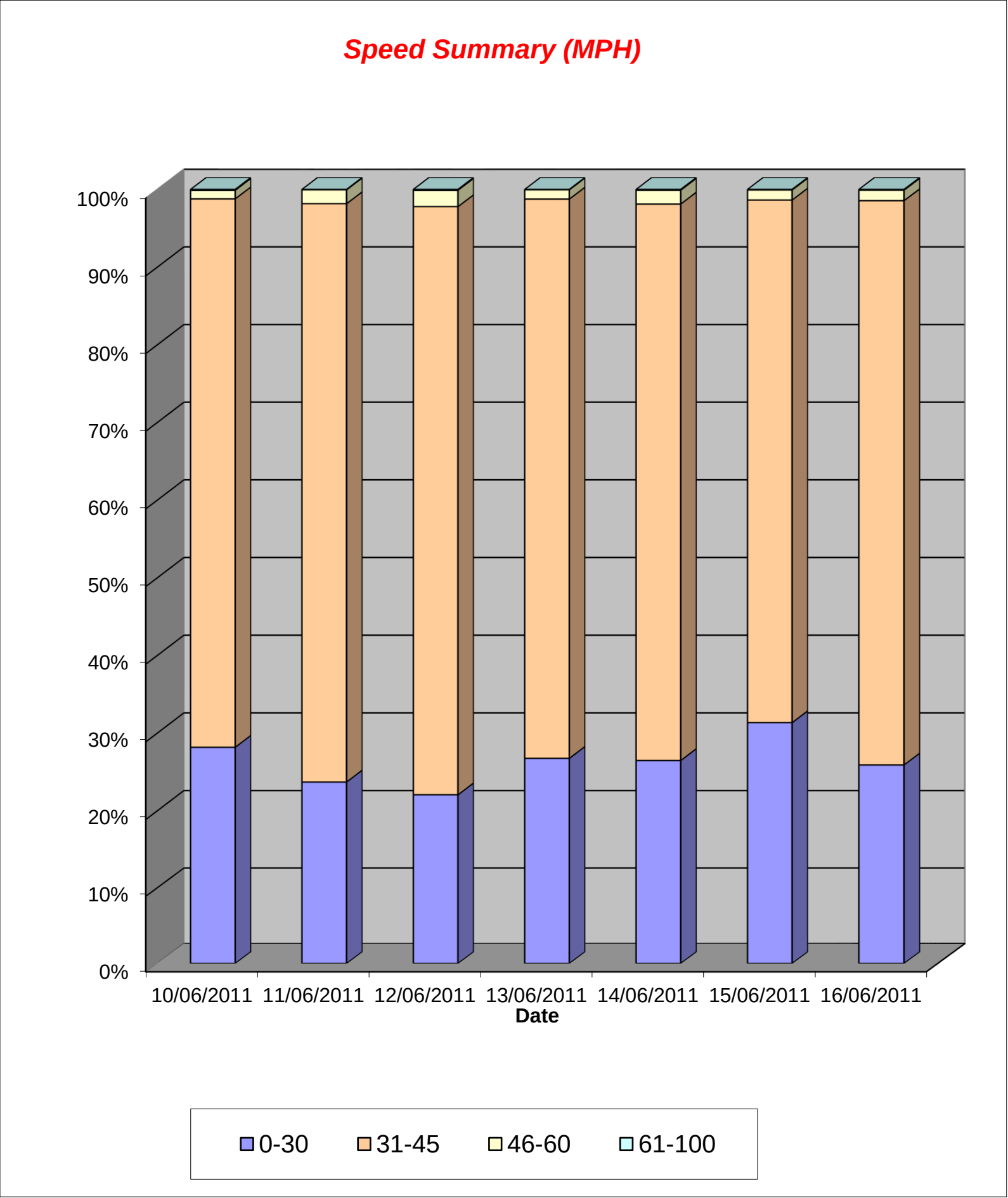
10-12	38.7	33.1	38.4	38.8	38.4	38.3	38.2
14-16	38.9	38.2	38.9	38.7	38.1	38.0	38.9
0-24	38.4	38.0	38.1	38.5	38.3	38.7	38.1

7 Day Ave	38.3
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1106 06 Barnham ATC, B2233 Yapton Road

Base Point Data

Channel 2 - Westbound				Speed Summary			Week 1
Speed (MPH)	10/06/2011 Friday	11/06/2011 Saturday	12/06/2011 Sunday	13/06/2011 Monday	14/06/2011 Tuesday	15/06/2011 Wednesday	16/06/2011 Thursday
0-30	1276	862	532	1074	1096	1305	1126
31-45	3197	2707	1826	2890	2966	2801	3157
46-60	50	65	51	48	74	54	59
61-100	4	1	2	1	3	2	3
TOTAL	4527	3635	2411	4013	4139	4162	4345



1106 06 Barnham ATC, B2233 Yapton Road

Base Point Data

Channel 2 - Westbound		Vehicle Class		Week 1
Classes Day / Time	Car / LGV / Caravan - 1	OGV1 / Bus - 2,3,5,6,7,12	OGV2 - 4,8,9,10,11,13	TOTAL - 1-13
10/06/2011				
7-19	3589	227	7	3823
6-22	4086	247	9	4342
6-24	4187	250	9	4446
0-24	4263	255	9	4527
11/06/2011				
7-19	2947	117	5	3069
6-22	3292	127	5	3424
6-24	3399	129	5	3533
0-24	3496	134	5	3635
12/06/2011				
7-19	2008	62	0	2070
6-22	2208	69	0	2277
6-24	2256	71	0	2327
0-24	2337	74	0	2411
13/06/2011				
7-19	3113	222	3	3338
6-22	3599	238	5	3842
6-24	3674	240	5	3919
0-24	3759	249	5	4013
14/06/2011				
7-19	3211	219	9	3439
6-22	3733	240	10	3983
6-24	3810	243	10	4063
0-24	3882	247	10	4139
15/06/2011				
7-19	3274	215	8	3497
6-22	3737	237	9	3983
6-24	3823	240	9	4072
0-24	3905	248	9	4162
16/06/2011				
7-19	3404	244	4	3652
6-22	3905	265	5	4175
6-24	3988	267	5	4260
0-24	4063	277	5	4345
Average				
7-19	3078	187	5	3270
6-22	3509	203	6	3718
6-24	3591	206	6	3803
0-24	3672	212	6	3890

Total Vehicle Class Distribution

