

T24516

Brascote Lane, Newbold Verdon Phase 2

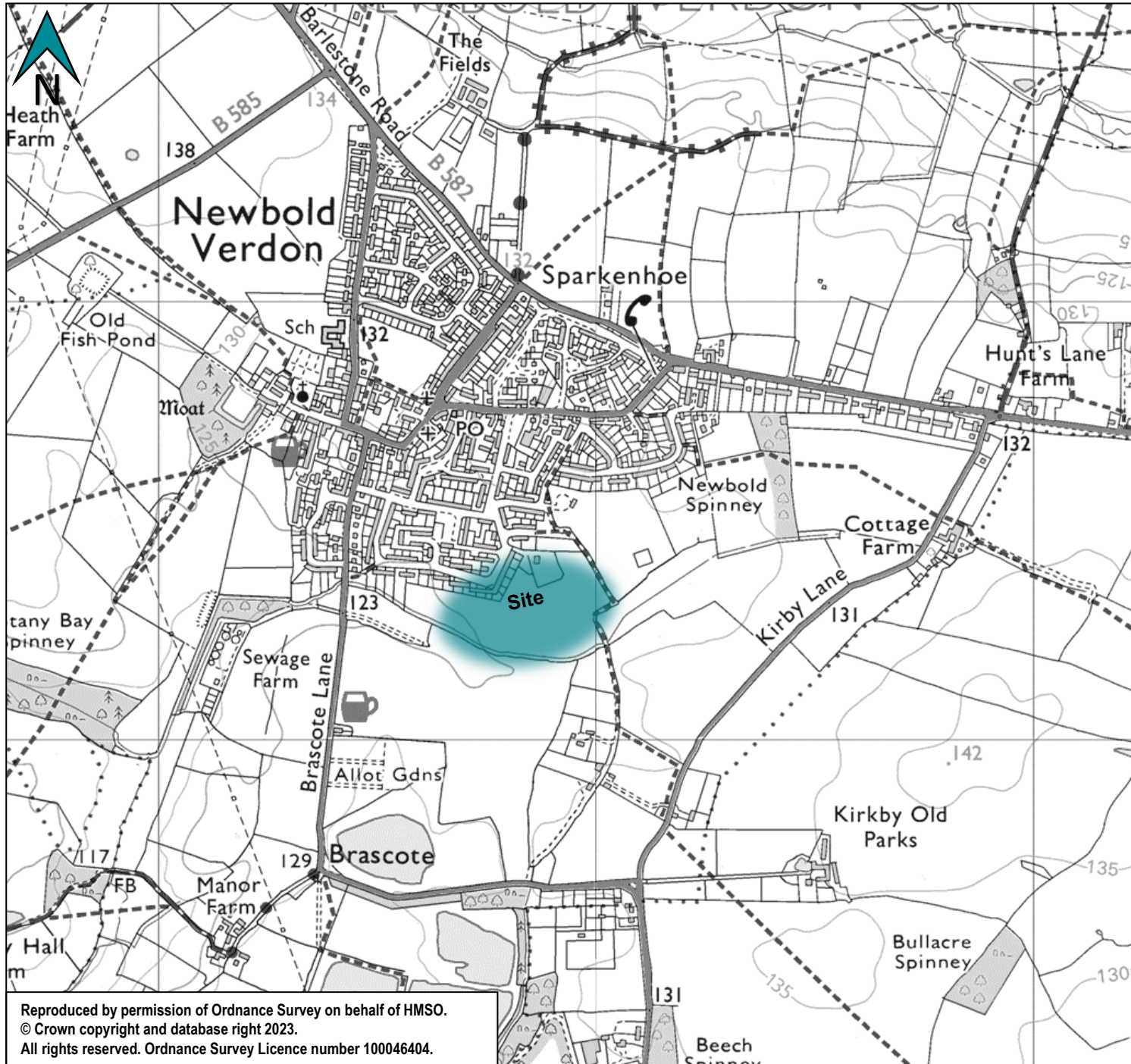
-
- 7.12 The development is located to make use of existing infrastructure and services and is suitable in transport terms. The development will promote the use of sustainable modes to transport, and the site provides safe and suitable access for all users.
 - 7.13 The assessment work undertaken and detailed in this report demonstrates that, in NPPF terms, the development will not have an unacceptable impact on highway safety and the residual cumulative impacts on the road network will not be severe.
 - 7.14 It is therefore concluded that the proposals accord with national, regional, and local transport related policies and, as such, it is considered there are no reasons why the proposals should be resisted on traffic or transportation grounds.

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Brascote Lane, Newbold Verdon Phase 2

Figures



Legend

● Site



TRANSPORT PLANNING LTD

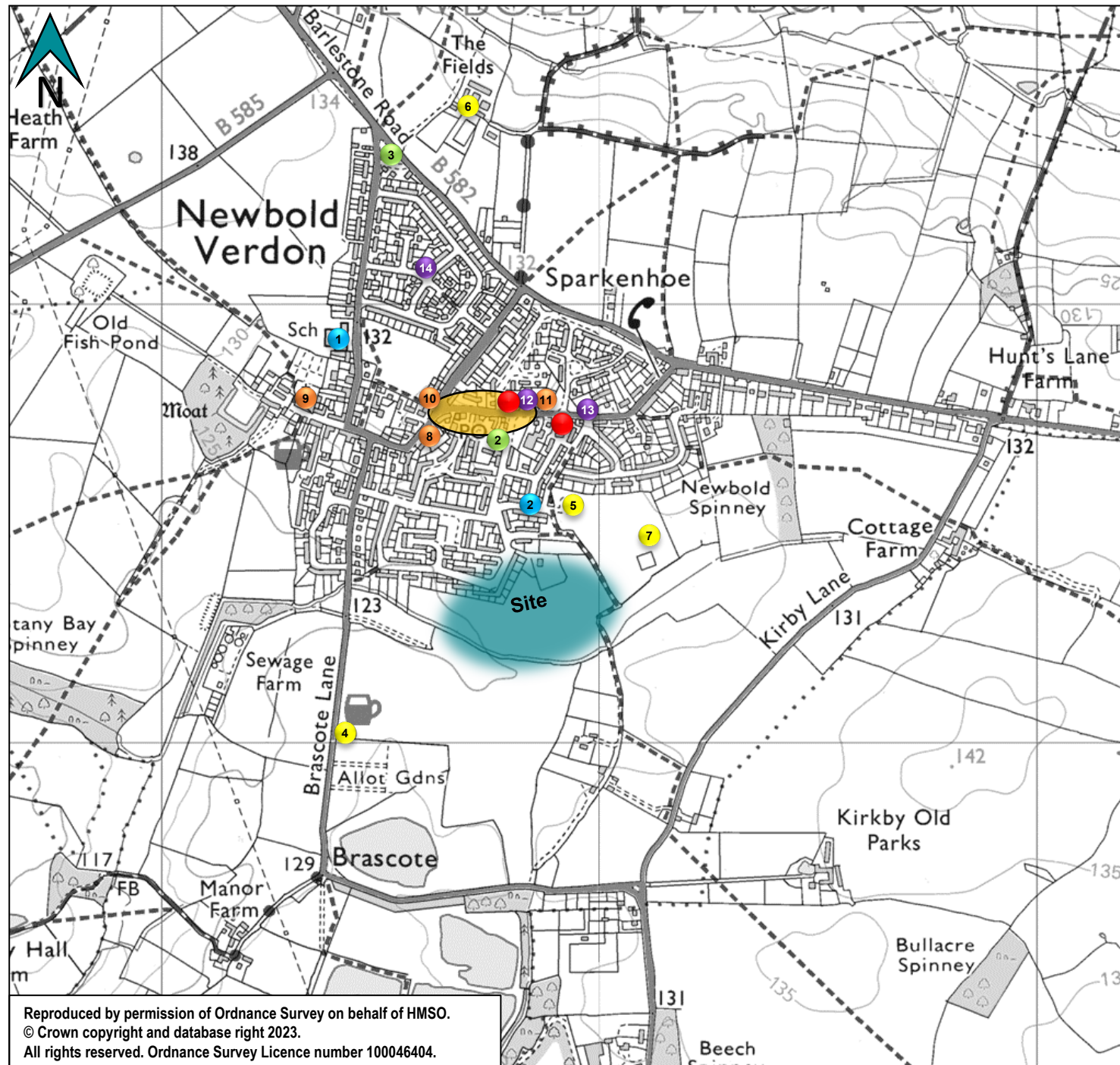
Not to Scale

Brascote Lane

Newbold Verdon Phase 2
Phase 2

Figure 1.1 – Site Location

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- Legend**
- Site
 - Bus Stops
 - 1 Newbold Verdon Primary School
 - 2 Heathbrook Pharmacy
 - 3 Newbold Verdon Medical Practice
 - 4 The Windmill Inn
 - 5 Newbold Verdon Cricket Club
 - 6 Newbold Verdon Equestrian Centre
 - 7 Alans Way Playing Fields
 - 8 Newbold Verdon Methodist Church
 - 9 Church of St. James
 - 10 Newbold Verdon Baptist Church
 - 11 Newbold Verdon Library
 - 12 The Co-Op Food
 - 13 Kareem's Balti
 - 14 Lotus House
 - Main Street Facilities (Incl. Inn, Convenience Stores, Cafés, Hairdressers, Public House, Nisa Local and Takeaways, Sports & Social Club)



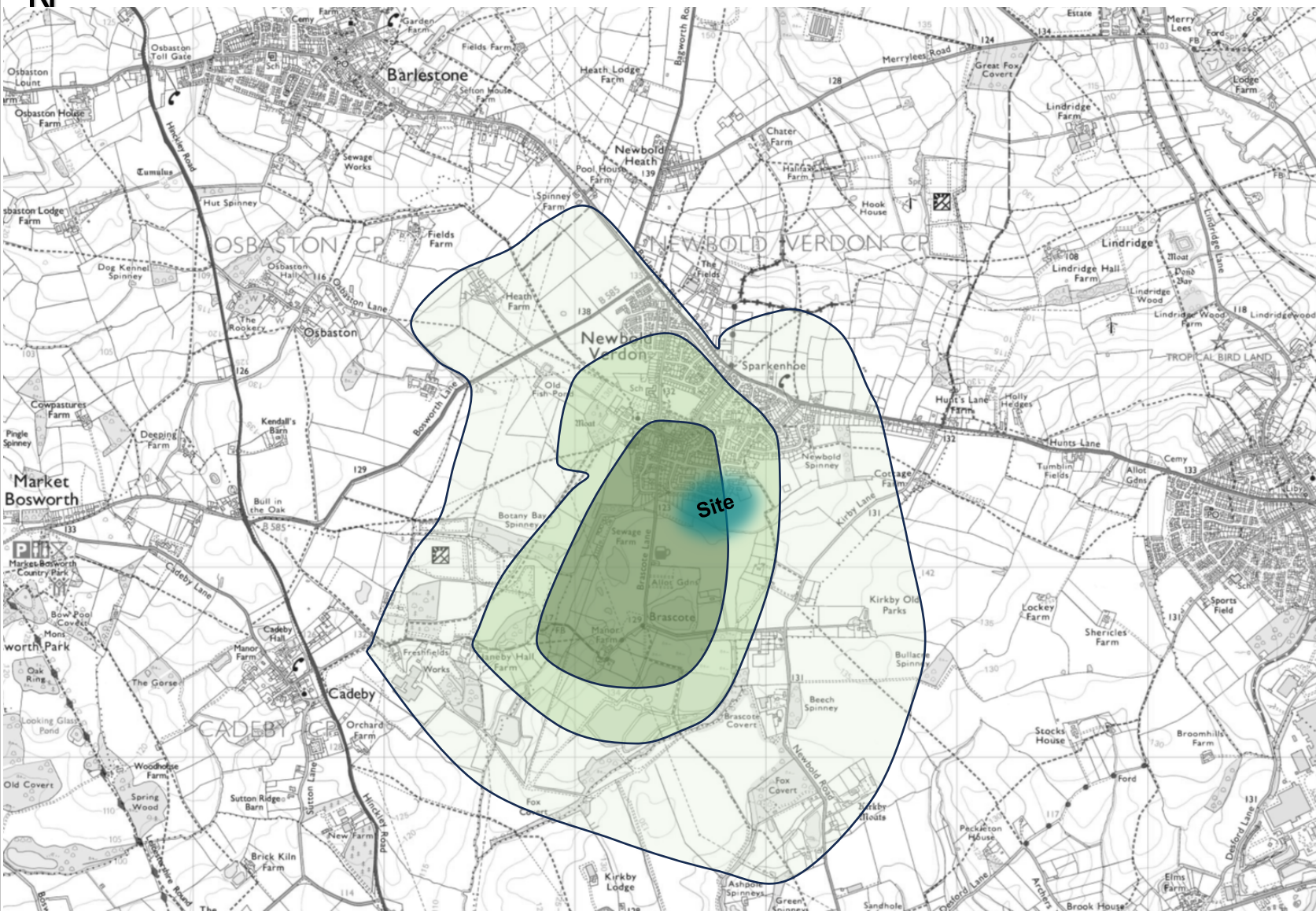
hub
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Not to Scale





Brascote Lane
Newbold Verdon Phase 2

Figure 3.1 – Local Facilities

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Legend

-  Site
-  800m Walk Distance
-  1.20km Walk Distance
-  2.0km Walk Distance

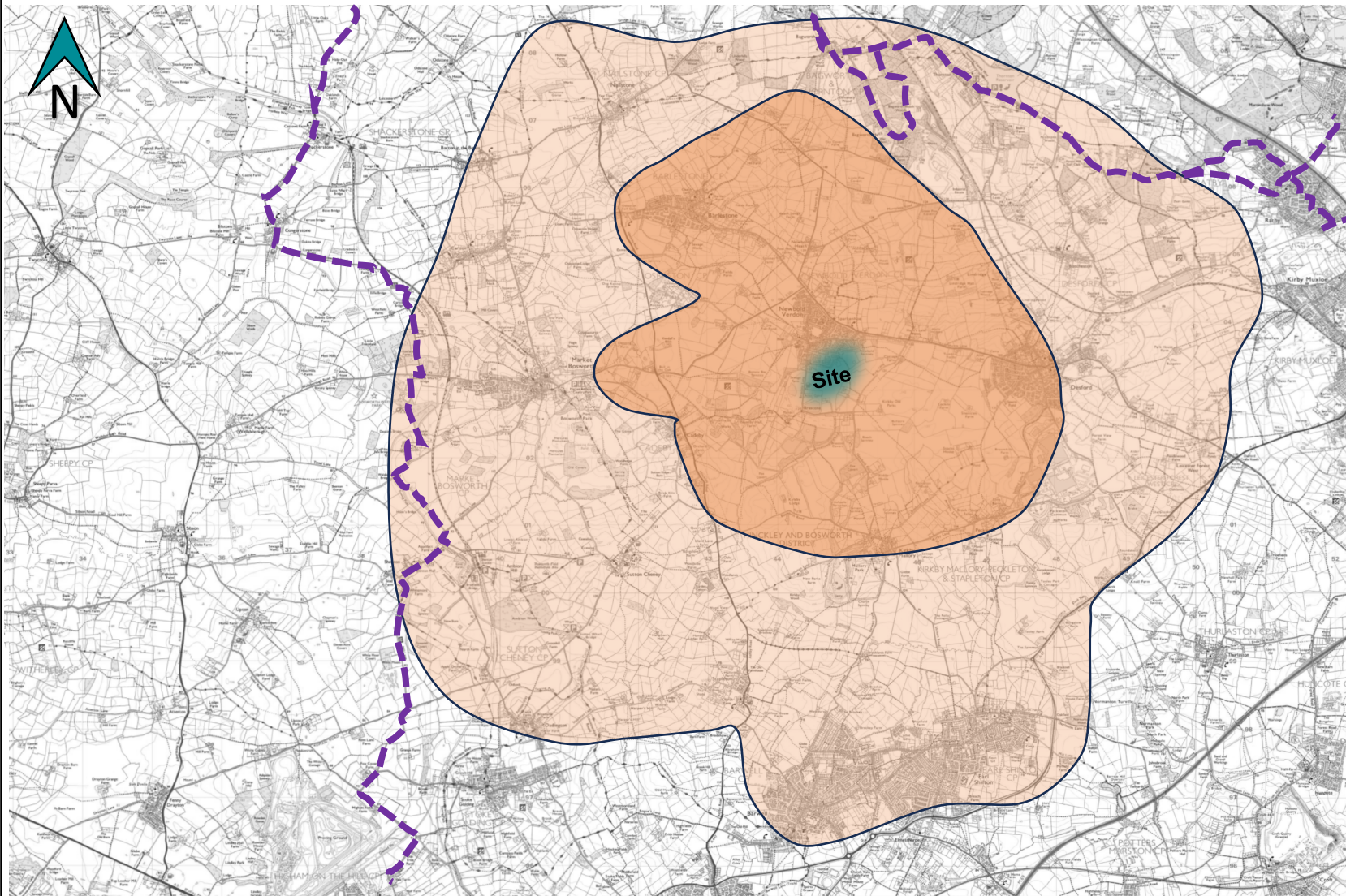


Not to Scale

Brascote Lane

Newbold Verdon Phase 2

Figure 3.2 – Walk Distances



Legend

- Site
- 5.0km
- 8.0km
- NCN



Not to Scale

Brascote Lane

Newbold Verdon Phase 2

Figure 3.3 – Cycle Distances

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Brascote Lane, Newbold Verdon Phase 2

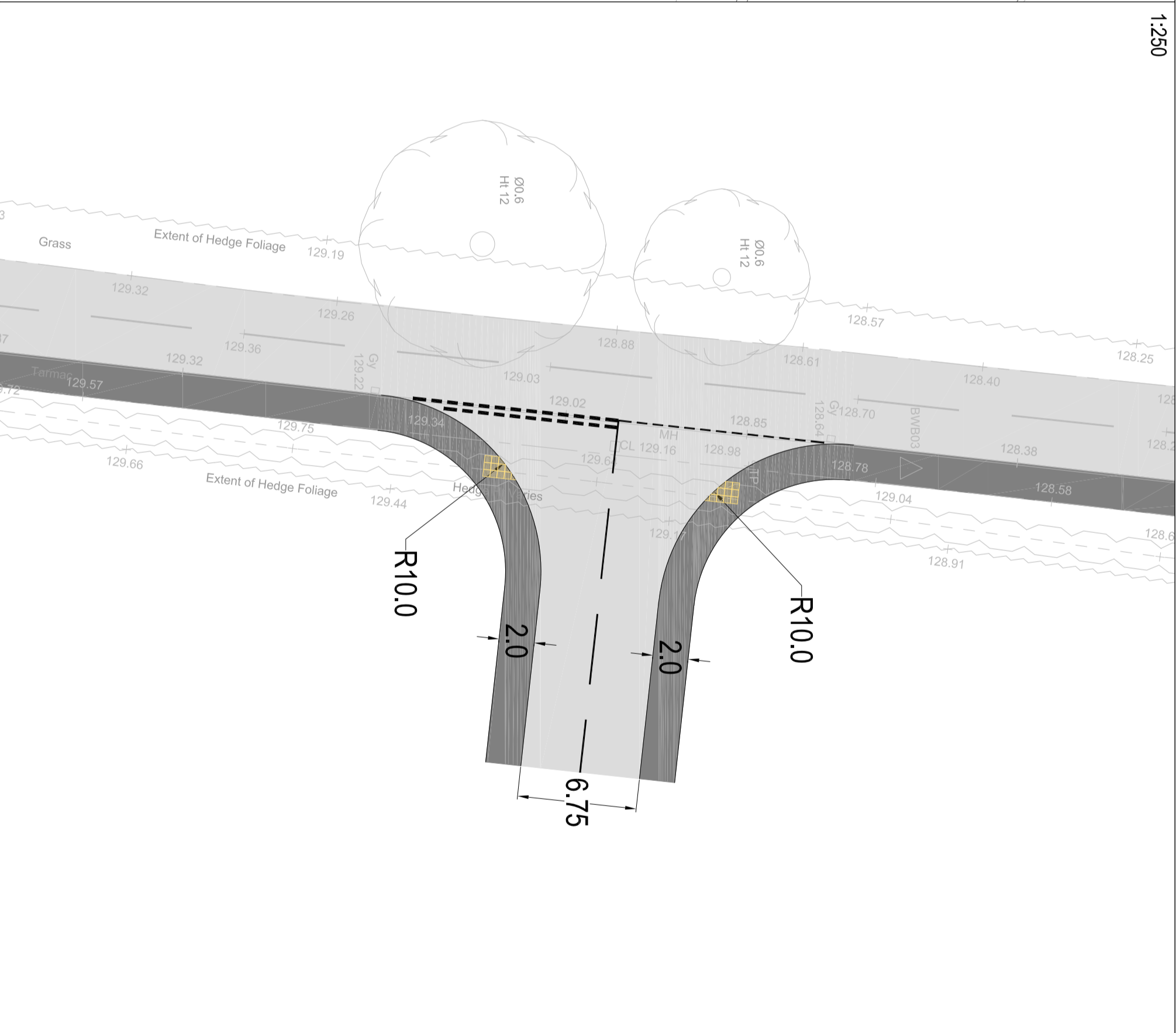


Drawings

1:1000

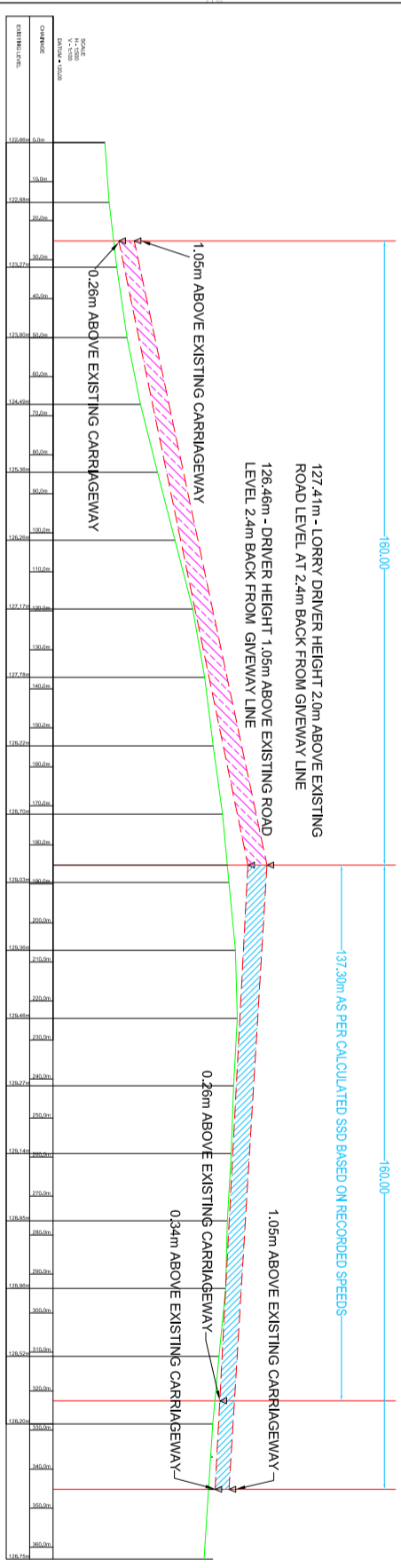


1:250



KEY

- EXISTING ROAD LEVEL ALONG CENTRELINE
- VISIBILITY ENVELOPE FROM SITE ACCESS JUNCTION TO THE SOUTH ALONG BRASCOTE LANE
- VISIBILITY ENVELOPE FROM SITE ACCESS JUNCTION TO THE NORTH ALONG BRASCOTE LANE



1. THIS DRAWING IS NOT TO BE SCALED FOR CONSTRUCTION PURPOSES.
2. THE CONTRACTOR SHALL CHECK ALL DIMENSIONS AND LEVELS ON SITE.

C	MINOR AMENDMENT FOLLOWING COMMENTS FROM LOCAL HIGHWAY AUTHORITY	02.08.23	JC	GM
REV	DESCRIPTION	DATE	BY	AUTH



Hub Transport Planning Ltd
Floor 1B
4 Temple Row
Birmingham
B2 5HG
T : 0121 454 5530

CLIENT
RICHBOROUGH ESTATES

PROJECT
**LAND OFF BRASCOTE LANE
NEWBOLD VERDON**

TITLE
PROPOSED SITE ACCESS LAYOUT

DRAWN	AUTHORISED	SCALE	SHEET SIZE	DATE
ML	GM	AS SHOWN	A2	28.07.22
PROJECT NO.	DRAWING NO.	REV		
T20517	001	C		

T24516

Brascote Lane, Newbold Verdon Phase 2

Appendix A

Accident Data



Accidents between dates 01/01/2017 and 31/07/2022 (67) months

Selection: Notes:

; Refined using Accidents within selected Polygons -Data request polygons ("Hub Newbold Verdon 30.06.2021")

Selected Polygon:Hub Newbold Verdon 30.06.2021

Police_ref	Date	Easting	Northing	Weather	Road_cond	Visibility	Severity
201700123	20/01/2017	446150	303710	Fine without high winds	Dry	Daylight	Serious

Location: B582 HUNTS LANE DESFORD 250M E KIRKBY LANE.

Vehicles:

Type	Junct_Locn	Manvres	Movef	Movet
Car	Not at, or within 20M of Jct	Going ahead other	E	W
Goods over 3.5 tonnes and under 7.5 tonnes mgw	Not at, or within 20M of Jct	Going ahead other	W	E

Casualties:

Class	Severity
Driver / Rider	Serious
Vehicle Passenger	Serious

Accidents between dates 01/01/2017 and 31/07/2022 (67) months

Selection: Notes:

; Refined using Accidents within selected Polygons -Data request polygons ("Hub Newbold Verdon 30.06.2021")

Police_ref	Date	Easting	Northing	Weather	Road_cond	Visibility	Severity
201700928	17/06/2017	444478	304417	Fine without high winds	Dry	Daylight	Slight

Location: B582 BARLESTONE ROAD NEWBOLD VERDON JW DRAGON LANE.

Vehicles:

Type	Junct_Locn	Manvres	Movet	Movet
Car	Jct Approach	Stopping	NW	SE
Agricultural vehicle	Cleared junction or waiting/parked at junction exit	Going ahead other	SE	NW
Car	Jct Approach	Stopping	NW	SE

Casualties:

Class	Severity
Driver / Rider	Slight
Vehicle Passenger	Slight
Vehicle Passenger	Slight

Accidents between dates 01/01/2017 and 31/07/2022 (67) months

Selection: Notes:

; Refined using Accidents within selected Polygons -Data request polygons ("Hub Newbold Verdon 30.06.2021")

Police_ref	Date	Easting	Northing	Weather	Road_cond	Visibility	Severity
201700964	26/07/2017	445173	303867	Fine without high winds	Wet/Damp	Daylight	Serious

Location: B582 BARLESTONE ROAD NEWBOLD VERDON JW MAIN STREET.

Vehicles:

Type	Junct_Locn	Manvres	Movef	Movet
Car	Entering main road	Turning right	SW	E
Motorcycle over 500cc	Mid Junction - on roundabout or main road	Going ahead right bend	E	NW

Casualties:

Class	Severity
Driver / Rider	Slight
Driver / Rider	Serious

Police_ref	Date	Easting	Northing	Weather	Road_cond	Visibility	Severity
201800086	27/01/2018	444861	303758	Other	Wet/Damp	Daylight	Slight

Location: MAIN STREETNEWBOLD VERDON OUTSIDE 103

Vehicles:

Type	Junct_Locn	Manvres	Movef	Movet
Car	Not at, or within 20M of Jct	Reversing	N	S

Casualties:

Class	Severity
Pedestrian	Slight

Accidents between dates 01/01/2017 and 31/07/2022 (67) months

Selection: Notes:

; Refined using Accidents within selected Polygons -Data request polygons ("Hub Newbold Verdon 30.06.2021")

Police_ref	Date	Easting	Northing	Weather	Road_cond	Visibility	Severity
201800665	24/06/2018	444685	303980	Fine without high winds	Dry	Daylight	Serious

Location: MILL LANE NEWBOLD VERDON JW ENSTON STREET.

Vehicles:

Type	Junct_Locn	Manvres	Movef	Movet
Car	Leaving main road	Turning left	NE	SE

Casualties:

Class	Severity
Vehicle Passenger	Serious
Vehicle Passenger	Slight

Police_ref	Date	Easting	Northing	Weather	Road_cond	Visibility	Severity
201801309	11/12/2018	444444	303935	Fine without high winds	Wet/Damp	Daylight	Slight

Location: C5103 DRAGON LANE NEWBOLD VERDON EXACT LOCATION NOT KNOWN

Vehicles:

Type	Junct_Locn	Manvres	Movef	Movet
Car	Not at, or within 20M of Jct	Parked	Parked	Parked
Car	Not at, or within 20M of Jct	Reversing	N	S

Casualties:

Class	Severity
Vehicle Passenger	Slight
Vehicle Passenger	Slight

Accidents between dates 01/01/2017 and 31/07/2022 (67) months

Selection: Notes:

; Refined using Accidents within selected Polygons -Data request
polygons ("Hub Newbold Verdon 30.06.2021")

Police_ref	Date	Easting	Northing	Weather	Road_cond	Visibility	Severity
201900378	19/04/2019	444475	304420	Fine without high winds	Dry	Daylight	Serious

Location: B582 BARLESTONE ROAD NEWBOLD VERDON 10M NW DRAGON LANE.

Vehicles:

Type	Junct_Locn	Manvres	Movef	Movet
Car	Cleared junction or waiting/parked at junction exit	Going ahead other	SE	NW

Casualties:

Class	Severity
Pedestrian	Serious

Police_ref	Date	Easting	Northing	Weather	Road_cond	Visibility	Severity
201900905	10/09/2019	445280	300860	Fine without high winds	Dry	Daylight	Slight

Location: C5101 BOSWORTH ROAD PECKLETON APPROX 50M W OF STAPLETON LANE.

Vehicles:

Type	Junct_Locn	Manvres	Movef	Movet
Car	Not at, or within 20M of Jct	Parked	Parked	Parked
Car	Not at, or within 20M of Jct	Going ahead other	E	W

Casualties:

Class	Severity
Vehicle Passenger	Slight

Accidents between dates 01/01/2017 and 31/07/2022 (67) months

Selection: Notes:

; Refined using Accidents within selected Polygons -Data request polygons ("Hub Newbold Verdon 30.06.2021")

Police_ref	Date	Easting	Northing	Weather	Road_cond	Visibility	Severity
201901559	11/06/2019	444500	304395	Fine without high winds	Dry	Daylight	Slight

Location: B582 NEWBOLD VERDON JW DRAGON LANE.

Vehicles:

Type	Junct_Locn	Manvres	Movef	Movet
Van / Goods 3.5 tonnes mgw and under	Mid Junction - on roundabout or main road	Going ahead other	SE	NW
Car	Mid Junction - on roundabout or main road	Going ahead other	SE	NW

Casualties:

Class	Severity
Driver / Rider	Slight

Police_ref	Date	Easting	Northing	Weather	Road_cond	Visibility	Severity
202000319	15/06/2020	444940	300960	Fog or mist	Wet/Damp	Darkness: no street lighting	Serious

Location: C5101 BOSWORTH ROAD PECKLETON APPROX 100M W NUMBER 33.

Vehicles:

Type	Junct_Locn	Manvres	Movef	Movet
Car	Not at, or within 20M of Jct	Going ahead other	E	W

Casualties:

Class	Severity
Driver / Rider	Serious

Accidents between dates 01/01/2017 and 31/07/2022 (67) months

Selection: Notes:

; Refined using Accidents within selected Polygons -Data request polygons ("Hub Newbold Verdon 30.06.2021")

Police_ref	Date	Easting	Northing	Weather	Road_cond	Visibility	Severity
202100701	12/09/2021	445320	300850	Fine without high winds	Dry	Daylight	Serious

Location: C5101 MAIN STREET KIRKBY MALLORY (PECKLETON) JW NEWBOLD ROAD.

Vehicles:

Type	Junct_Locn	Manvres	Movef	Movet
Car	Entering main road	Turning right	N	W
Van / Goods 3.5 tonnes mgw and under	Mid Junction - on roundabout or main road	Going ahead other	E	W

Casualties:

Class	Severity
Driver / Rider	Serious

Number of records in selection: 11

Accidents between dates **01/01/2017 and 31/07/2022** (67) months

Selection: **Notes:**

; Refined using Accidents within selected Polygons -Data request
polygons ("Hub Newbold Verdon 30.06.2021")

Table 1 - Accidents by Month

	2017	2018	2019	2020	2021	2022	Total
January	1	1	-	-	-	-	2
February	-	-	-	-	-	-	0
March	-	-	-	-	-	-	0
April	-	-	1	-	-	-	1
May	-	-	-	-	-	-	0
June	1	1	1	1	-	-	4
July	1	-	-	-	-	-	1
August	-	-	-	-	-	-	0
September	-	-	1	-	1	-	2
October	-	-	-	-	-	-	0
November	-	-	-	-	-	-	0
December	-	1	-	-	-	-	1
TOTAL	3	3	3	1	1	0	11

Table 2 - Casualties by Month

	2017	2018	2019	2020	2021	2022	Total
January	2	1	-	-	-	-	3
February	-	-	-	-	-	-	0
March	-	-	-	-	-	-	0
April	-	-	1	-	-	-	1
May	-	-	-	-	-	-	0
June	3	2	1	1	-	-	7
July	2	-	-	-	-	-	2
August	-	-	-	-	-	-	0
September	-	-	1	-	1	-	2
October	-	-	-	-	-	-	0
November	-	-	-	-	-	-	0
December	-	2	-	-	-	-	2
TOTAL	7	5	3	1	1	0	17

Table 3 - All Accidents by Severity

	2017	2018	2019	2020	2021	2022	Total
Fatal	0	0	0	0	0	0	0
Serious	2	1	1	1	1	0	6
Slight	1	2	2	0	0	0	5
TOTAL	3	3	3	1	1	0	11

Table 4 - Casualties by Severity

	2017	2018	2019	2020	2021	2022	Total
Fatal	0	0	0	0	0	0	0
Serious	3	1	1	1	1	0	7
Slight	4	4	2	0	0	0	10
TOTAL	7	5	3	1	1	0	17

Accidents between dates 01/01/2017 and 31/07/2022 (67) months

Selection: Notes:

; Refined using Accidents within selected Polygons -Data request
polygons ("Hub Newbold Verdon 30.06.2021")

Police Ref.	Date	Cas.	Sev.	Cycs	Peds	Ch	OAPs	Vis.	Manv.	Road Cond.	Time	Location
Selected Polygon:Hub Newbold Verdon 30.06.2021												
201700123	20/01/2017	2	Serious	0	0	0	2	Light	No turn	Dry	1320	B582 HUNTS LANE DESFORD 250M E KIRKBY LANE.
201700928	17/06/2017	3	Slight	0	0	0	0	Light	No turn	Dry	1800	B582 BARLESTONE ROAD NEWBOLD VERDON JW DRAGON LANE.
201700964	26/07/2017	2	Serious	0	0	0	0	Light	Right	Wet/Damp	0715	B582 BARLESTONE ROAD NEWBOLD VERDON JW MAIN STREET.
201800086	27/01/2018	1	Slight	0	1	0	1	Light	No turn	Wet/Damp	1420	MAIN STREETNEWBOLD VERDON OUTSIDE 103
201800665	24/06/2018	2	Serious	0	0	0	0	Light	Left	Dry	1825	MILL LANE NEWBOLD VERDON JW ENSTON STREET.
201801309	11/12/2018	2	Slight	0	0	2	0	Light	No turn	Wet/Damp	1530	C5103 DRAGON LANE NEWBOLD VERDON EXACT LOCATION NOT K
201900378	19/04/2019	1	Serious	0	1	1	0	Light	No turn	Dry	1225	B582 BARLESTONE ROAD NEWBOLD VERDON 10M NW DRAGON LAN
201901559	11/06/2019	1	Slight	0	0	0	1	Light	No turn	Dry	1955	B582 NEWBOLD VERDON JW DRAGON LANE.
201900905	10/09/2019	1	Slight	0	0	0	0	Light	No turn	Dry	1549	C5101 BOSWORTH ROAD PECKLETON APPROX 50M W OF STAPLETO
202000319	15/06/2020	1	Serious	0	0	0	0	Dark	No turn	Wet/Damp	0342	C5101 BOSWORTH ROAD PECKLETON APPROX 100M W NUMBER 33.
202100701	12/09/2021	1	Serious	0	0	0	0	Light	Right	Dry	1442	C5101 MAIN STREET KIRKBY MALLORY (PECKLETON) JW NEWBOL
Column Totals		17		0	2	3	4					
No. of Accidents				0	2	2	3					

Total number of accidents listed: 11

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Brascote Lane, Newbold Verdon Phase 2

Appendix B

Speed Measurement and Visibility Calculations

Newbold Verdon

(Weekday 24hr)

[illegible]

Direction	Volume	Speed	Total
Southbound	569	49.5	28165.5
	553	48.3	26709.9
	638	49.5	31581.0
	713	49.2	35079.6
	688	48.6	33436.8
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
			0.0
Total	3161		154972.8
Average 85th Percentile Speed =			49.0265106
Wet Weather Addition?			
Dry Weather 85th Percentile Speed =			49.0265106

T20517

Newbold Verdon

MfS Visibility Calculation

ABOVE 60 KPH DESIGN/MEASURED SPEED

Para 10.1.5 MfS2

Northbound

Calculation Params	Speed Survey Result
v 21.27096	47.85967 mph
t 2	
d 2.45	
a 0 (gradient)	

SSD = 134.9 m **Vis required = 137.3 m**

Note 1: Above 60kph calculation shows ABSOLUTE MINIMUM SSD

Note 2: For DESIRABLE MINIMUM SSD, change 'd' value to 2.45

Southbound

Calculation Params	Speed Survey Result
v 21.78956	49.02651 mph
t 2	
d 2.45	
a 0 (gradient)	

SSD = 140.5 m **Vis required = 142.9 m**

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Brascote Lane, Newbold Verdon Phase 2



Appendix C

Illustrative Masterplan

T24516

Brascote Lane, Newbold Verdon Phase 2



Appendix D

Site Access/Brascote Lane – PICADY Assessment

Junctions 10										
PICADY 10 - Priority Intersection Module										
Version: 10.1.0.1820										
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+44 (0)1344 379777 software@trl.co.uk trlsoftware.com										
The users of this computer program for the solution of an engineering problem are in no way relieved of their responsibility for the correctness of the solution										

Filename: T24516 - Main St-Brascote Ln.j10

Path: C:\Users\NeilBateman\Hub Transport Planning Ltd\Hub Transport Planning - General\Projects\T24516 Newbold Verdon Phase 2\Modelling\Picady

Report generation date: 09/06/2024 17:22:09

»2021, AM
»2021, PM
»2024, AM
»2024, PM
»2029, AM
»2029, PM
»2029 + Dev, AM
»2029 + Dev, PM

Summary of junction performance

	AM					PM				
	Set ID	Queue (PCU)	Delay (s)	RFC	LOS	Set ID	Queue (PCU)	Delay (s)	RFC	LOS
	2021									
Stream B-AC	D1	0.2	7.34	0.15	A	D2	0.4	9.12	0.28	A
Stream C-AB		0.1	6.44	0.07	A		0.2	6.90	0.14	A
	2024									
Stream B-AC	D3	0.2	7.35	0.16	A	D4	0.4	9.52	0.29	A
Stream C-AB		0.1	6.43	0.07	A		0.2	6.91	0.14	A
	2029									
Stream B-AC	D5	0.2	7.43	0.16	A	D6	0.4	9.79	0.30	A
Stream C-AB		0.1	6.45	0.08	A		0.2	6.96	0.15	A
	2029 + Dev									
Stream B-AC	D7	0.6	11.05	0.37	B	D8	0.5	10.41	0.35	B
Stream C-AB		0.1	6.52	0.09	A		0.5	8.48	0.29	A

Values shown are the highest values encountered over all time segments. Delay is the maximum value of average delay per arriving vehicle.