

Cabinet**Thursday, 12 July 2018, 10.00 am, County Hall, Worcester****Agenda**

Item No	Subject	Page No
8	A38 Bromsgrove – appendix B	179 - 194

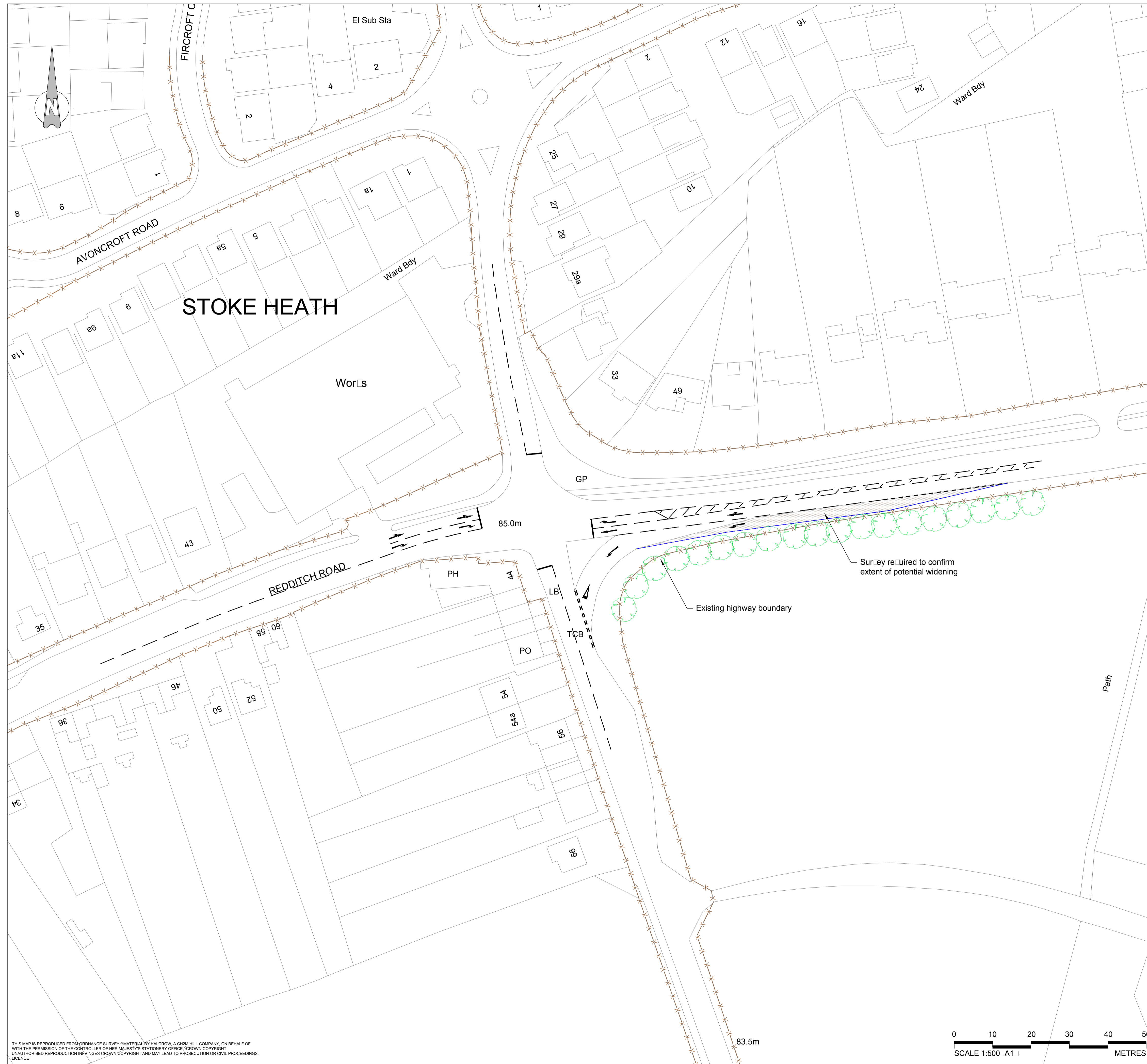
Agenda produced and published by Simon Mallinson, Head of Legal and Democratic Services, County Hall, Spetchley Road, Worcester WR5 2NP

To obtain further information or a copy of this agenda contact Nichola Garner, Committee & Appellate Officer on Worcester (01905) 843579 or email: ngarner2@worcestershire.gov.uk

All the above reports and supporting information can be accessed via the Council's website.

Date of Issue: Friday 06 July

This page is intentionally left blank



GENERAL NOTES

1. ALL DIMENSIONS IN METERS UNLESS STATED OTHERWISE.
2. ALL LEVELS ARE IN METERS RELATIVE TO ORDNANCE DATUM.
3. DO NOT SCALE FROM THIS DRAWING.

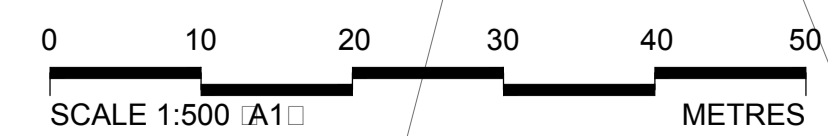
NOTES

NO.	DATE	DR	ADS	CHK	APVD	LT	DL

FOR COMMENT

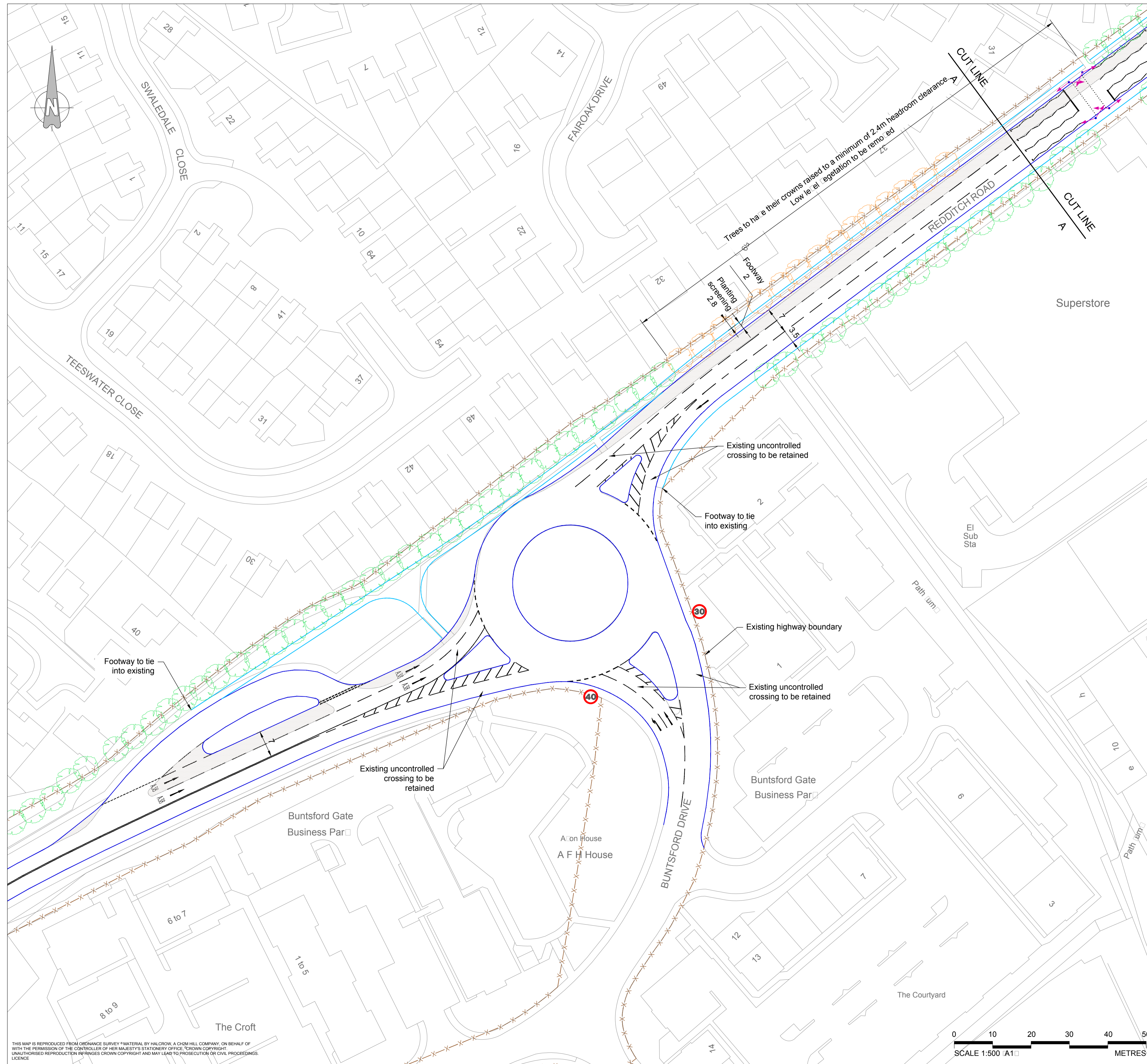
LEGEND

- Proposed highway (erb
- Proposed footway (ear
- Proposed road markings
- Proposed verge/embankment
- Proposed highway boundary
- Existing speed limits
- Approximate size and location of tree to be retained
- Approximate size and location of tree to be removed
- Carriageway widening



THIS MAP IS REPRODUCED FROM ORDNANCE SURVEY MATERIAL BY HALCROW, A CH2MHILL COMPANY, ON BEHALF OF WITH THE PERMISSION OF THE CONTROLLER OF HER MAJESTY'S STATIONERY OFFICE. CROWN COPYRIGHT. UNAUTHORISED REPRODUCTION INFRINGES CROWN COPYRIGHT AND MAY LEAD TO PROSECUTION OR CIVIL PROCEEDINGS. LICENCE.

<p>worcestershire county council</p>	<p>CH2MHILL</p> <p>BROMSGROVE TRANSPORT STRATEGY</p> <p>CONCEPT DESIGN</p> <p>A38 WORCESTER RD / HANBURY RD</p> <p>SHEET 1 OF 9</p>									
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>SCALE</td> <td>1:500 @ A1</td> </tr> <tr> <td>DATE</td> <td>30/10/2015</td> </tr> <tr> <td>PROJ</td> <td>473946.LS.00.10</td> </tr> <tr> <td>DWG</td> <td>473946.LS.00.10-01</td> </tr> <tr> <td>SHEET</td> <td>1 of 9</td> </tr> </table>	SCALE	1:500 @ A1	DATE	30/10/2015	PROJ	473946.LS.00.10	DWG	473946.LS.00.10-01	SHEET
SCALE	1:500 @ A1									
DATE	30/10/2015									
PROJ	473946.LS.00.10									
DWG	473946.LS.00.10-01									
SHEET	1 of 9									



GENERAL NOTES

1. ALL DIMENSIONS IN METERS UNLESS STATED OTHERWISE.
2. ALL LEVELS ARE IN METERS RELATIVE TO ORDNANCE DATUM.
3. DO NOT SCALE FROM THIS DRAWING.

NOTES

NO.	DATE	DSGN	DR	ADS	CHK	APVD	DL

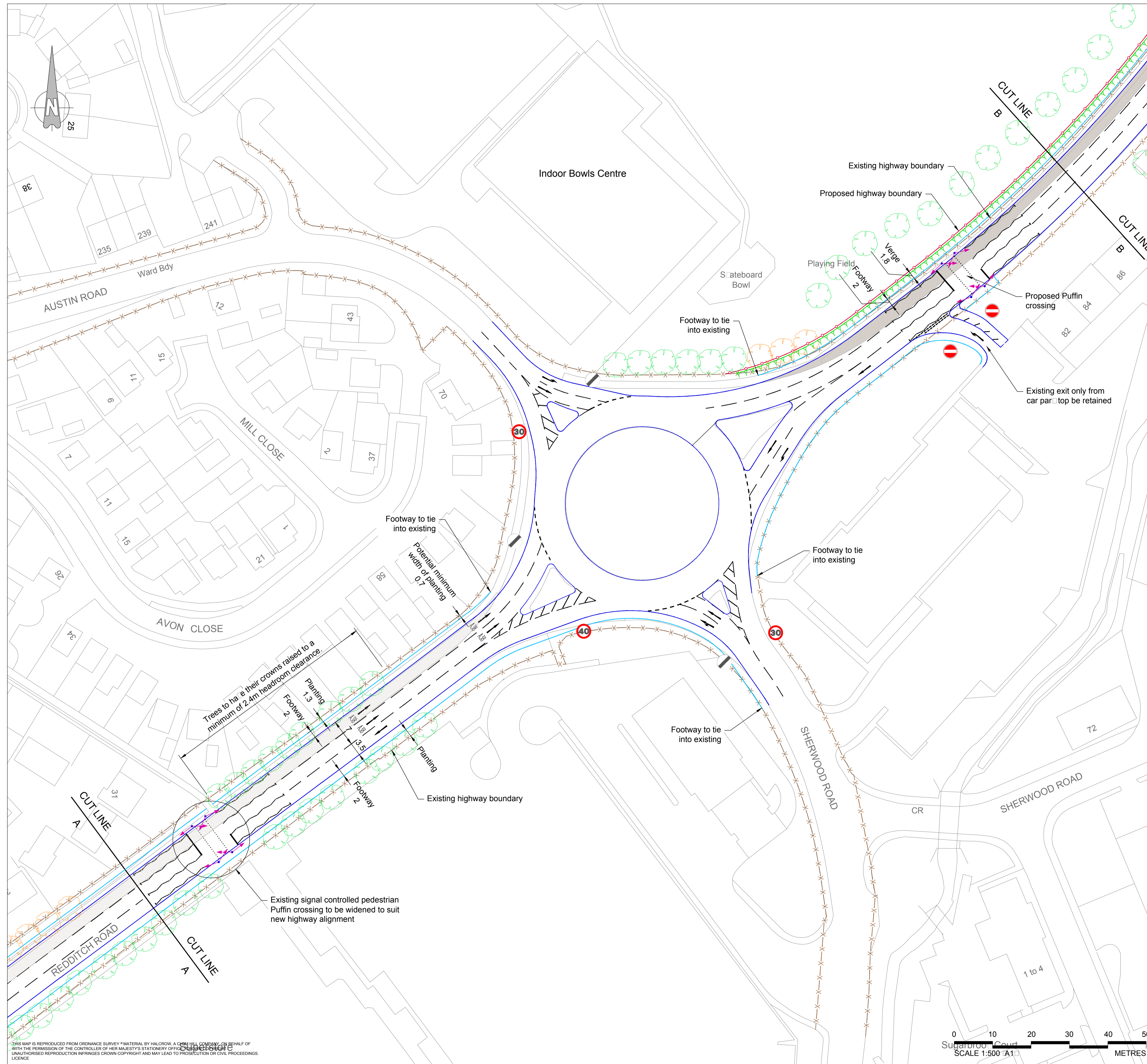
FOR COMMENT

LEGEND

- Proposed highway (kerb)
- Proposed footway (kerb)
- Proposed road markings
- Proposed verge/embankment
- Proposed highway boundary
- Existing speed limits
- Approximate size and location of tree to be retained
- Approximate size and location of tree to be removed
- Carriageway widening

CH2MHILL		BROMSGROVE TRANSPORT STRATEGY	
CONCEPT DESIGN		A38 WORCESTER RD / BUNTSFORD DR	
[SHEET 2 OF 9]		 worcestershire county council	
SCALE	1:500 @ A1	DATE	23/10/2015
PROJ	473946.LS.00.10	DWG	473946.LS.00.10-02
SHEET	2 of 9		

THIS MAP IS REPRODUCED FROM ORDNANCE SURVEY MATERIAL BY HALCROW, A CH2MHILL COMPANY, ON BEHALF OF THE CONTROLLER OF HER MAJESTY'S STATIONERY OFFICE. CROWN COPYRIGHT. UNAUTHORISED REPRODUCTION IN ANY MANNER IS PROHIBITED AND MAY LEAD TO PROSECUTION OR CIVIL PROCEEDINGS.



GENERAL NOTES

1. ALL DIMENSIONS IN METERS UNLESS STATED OTHERWISE.
2. ALL LEVELS ARE IN METERS RELATIVE TO ORDNANCE DATUM.
3. DO NOT SCALE FROM THIS DRAWING.

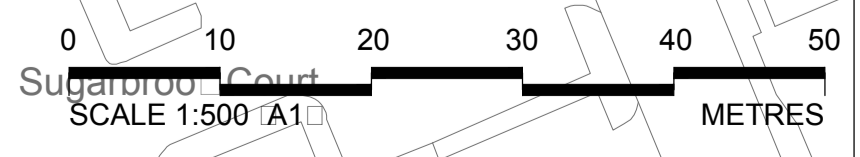
NOTES

NO.	DATE	DSGN	DR	ADS	CHK	APVD	LT	DL

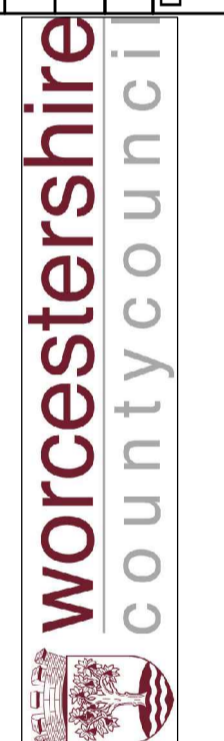
FOR COMMENT

LEGEND

- Proposed highway kerb
- Proposed footway kerb
- Proposed road markings
- Proposed verge/embankment
- Proposed highway boundary
- Existing speed limits
- Approximate size and location of tree to be retained
- Approximate size and location of tree to be removed
- Carriageway widening



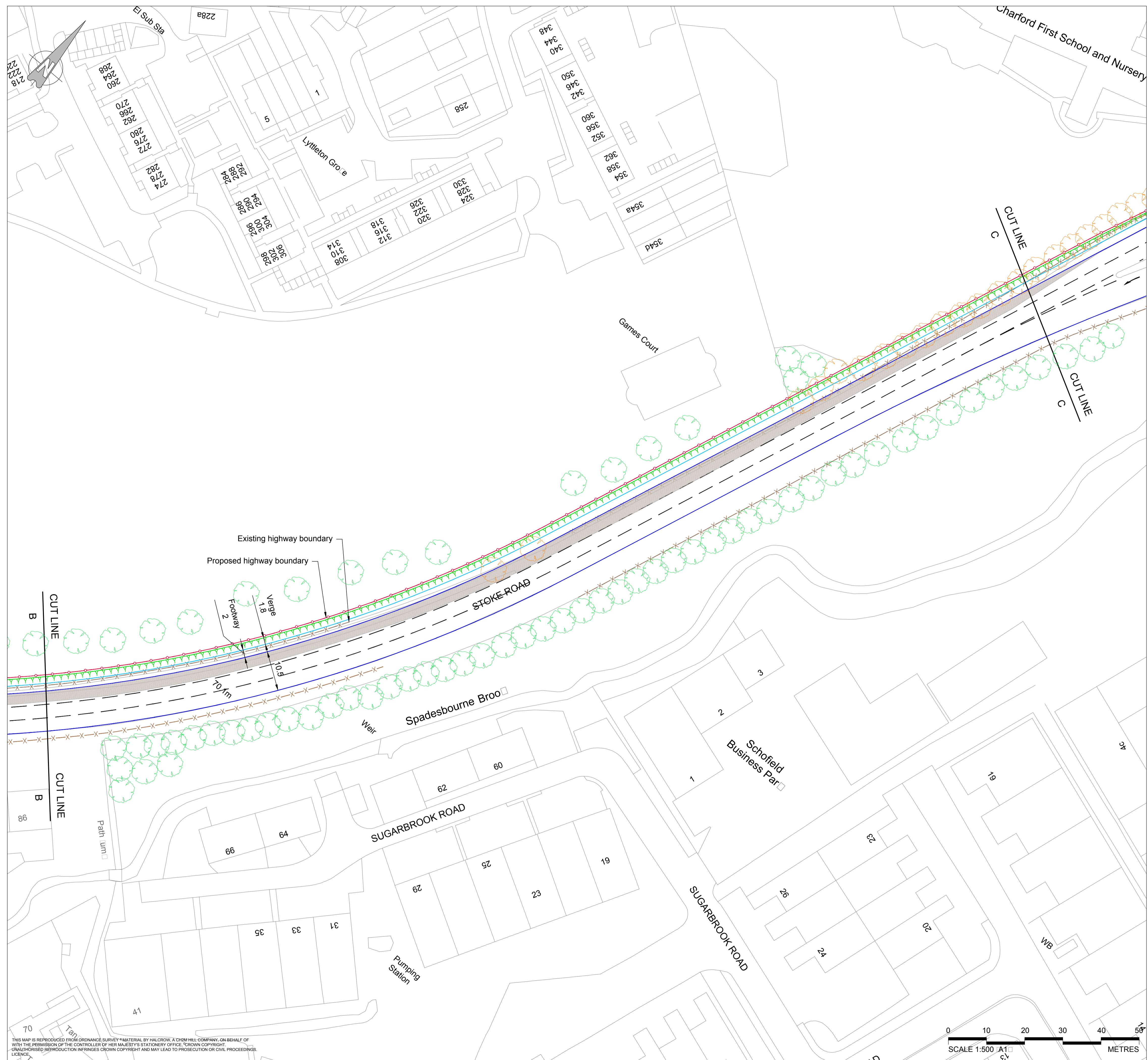
THIS MAP IS REPRODUCED FROM ORDNANCE SURVEY MATERIAL BY HALCROW, A CH2MHILL COMPANY, ON BEHALF OF THE CLIENT. UNLESS OTHERWISE STATED, ALL RIGHTS ARE RESERVED. UNAUTHORISED REPRODUCTION INFRINGES CROWN COPYRIGHT AND MAY LEAD TO PROSECUTION OR CIVIL PROCEEDINGS.



CH2MHILL

BROMSGROVE TRANSPORT STRATEGY
 CONCEPT DESIGN
 A38 WORCESTER RD / AUSTIN RD
 SHEET 3 OF 9

SCALE	1:500 @ A1
DATE	23/10/2015
PROJ	473946.LS.00.10
DWG	473946.LS.00.10-03
SHEET	3 of 9



GENERAL NOTES

1. ALL DIMENSIONS IN METERS UNLESS STATED OTHERWISE.
2. ALL LEVELS ARE IN METERS RELATIVE TO ORDNANCE DATUM.
3. DO NOT SCALE FROM THIS DRAWING.

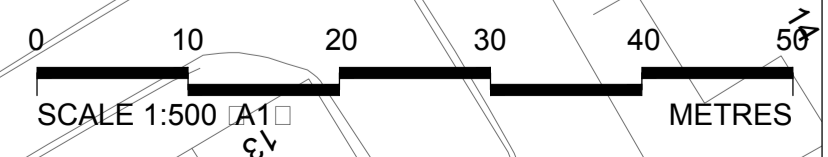
NOTES

NO.	DATE	DR	ADS	CHK	APVD	DL

FOR COMMENT

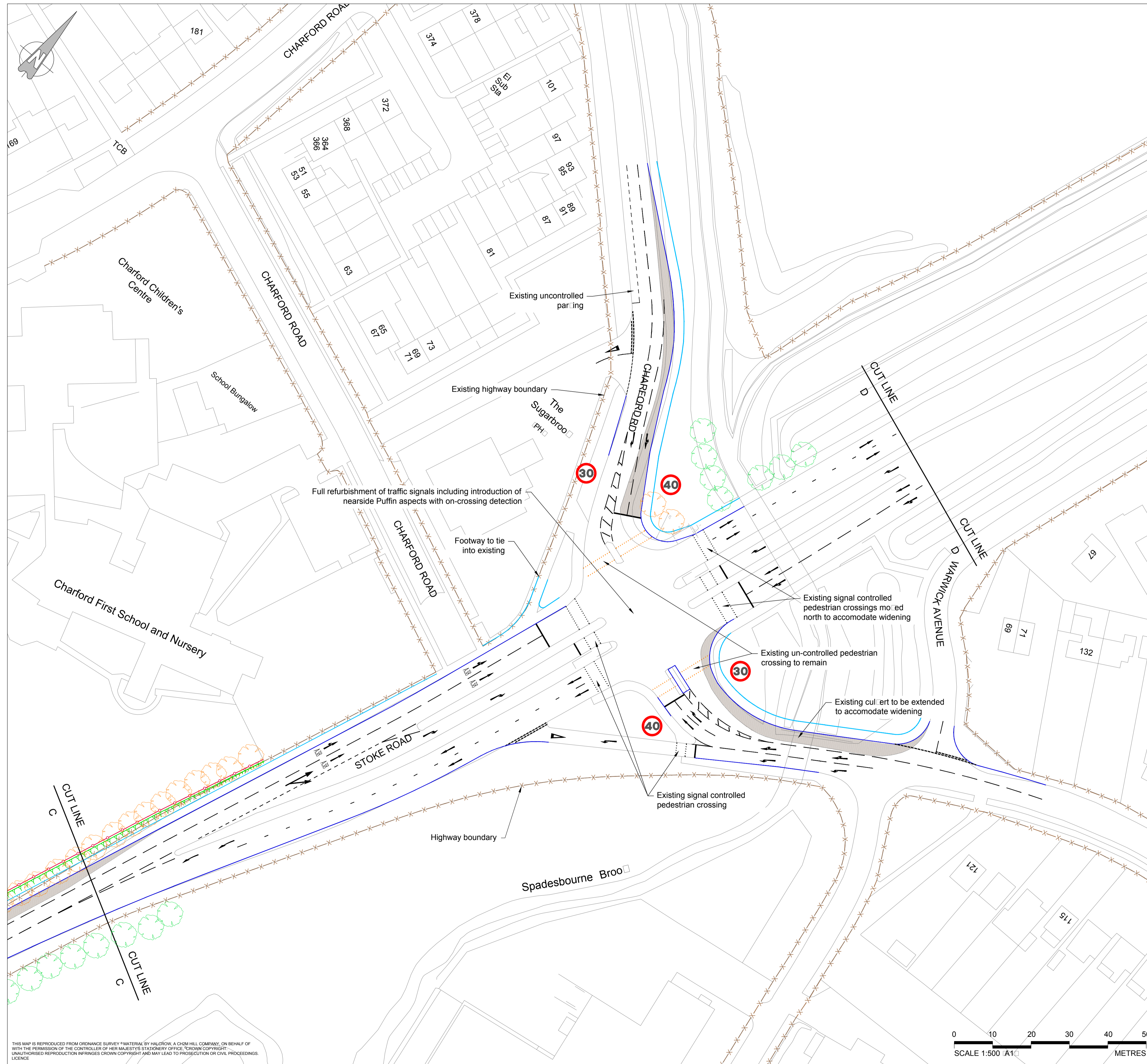
LEGEND

- Proposed highway kerb
- Proposed footway kerb
- Proposed road markings
- Proposed verge/embankment
- Proposed highway boundary
- Existing speed limits
- Approximate size and location of tree to be retained
- Approximate size and location of tree to be removed
- Carriageway widening



THIS MAP IS REPRODUCED FROM ORDNANCE SURVEY MATERIAL BY HALCROW, A CH2MHILL COMPANY, ON BEHALF OF THE PERMISSOR OF THE CONTROLLER OF HER MAJESTY'S STATIONERY OFFICE. CROWN COPYRIGHT. UNAUTHORISED REPRODUCTION INFRINGES CROWN COPYRIGHT AND MAY LEAD TO PROSECUTION OR CIVIL PROCEEDINGS.

<p>worcestershire county council</p>	<p>CH2MHILL</p> <p>BROMSGROVE TRANSPORT STRATEGY CONCEPT DESIGN A38 WORCESTER RD SHEET 4 OF 9</p>
<p>SCALE 1:500 @ A1 DATE 23/10/2015 PROJ 473946.LS.00.10 DWG 473946.LS.00.10-04 SHEET 4 of 9</p>	



GENERAL NOTES

1. ALL DIMENSIONS IN METERS UNLESS STATED OTHERWISE.
2. ALL LEVELS ARE IN METERS RELATIVE TO ORDNANCE DATUM.
3. DO NOT SCALE FROM THIS DRAWING.

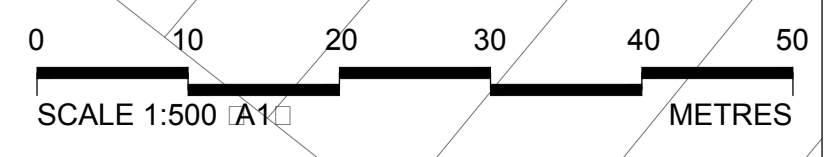
NOTES

NO.	DATE	DSGN	CHK	ADS	DR	APVD	DL

FOR COMMENT

LEGEND

- Proposed highway (kerb)
- Proposed footway (kerb)
- Proposed road markings
- Proposed kerb/embankment
- Proposed highway boundary
- Existing speed limits
- Approximate size and location of tree to be retained
- Approximate size and location of tree to be removed
- Carriageway widening

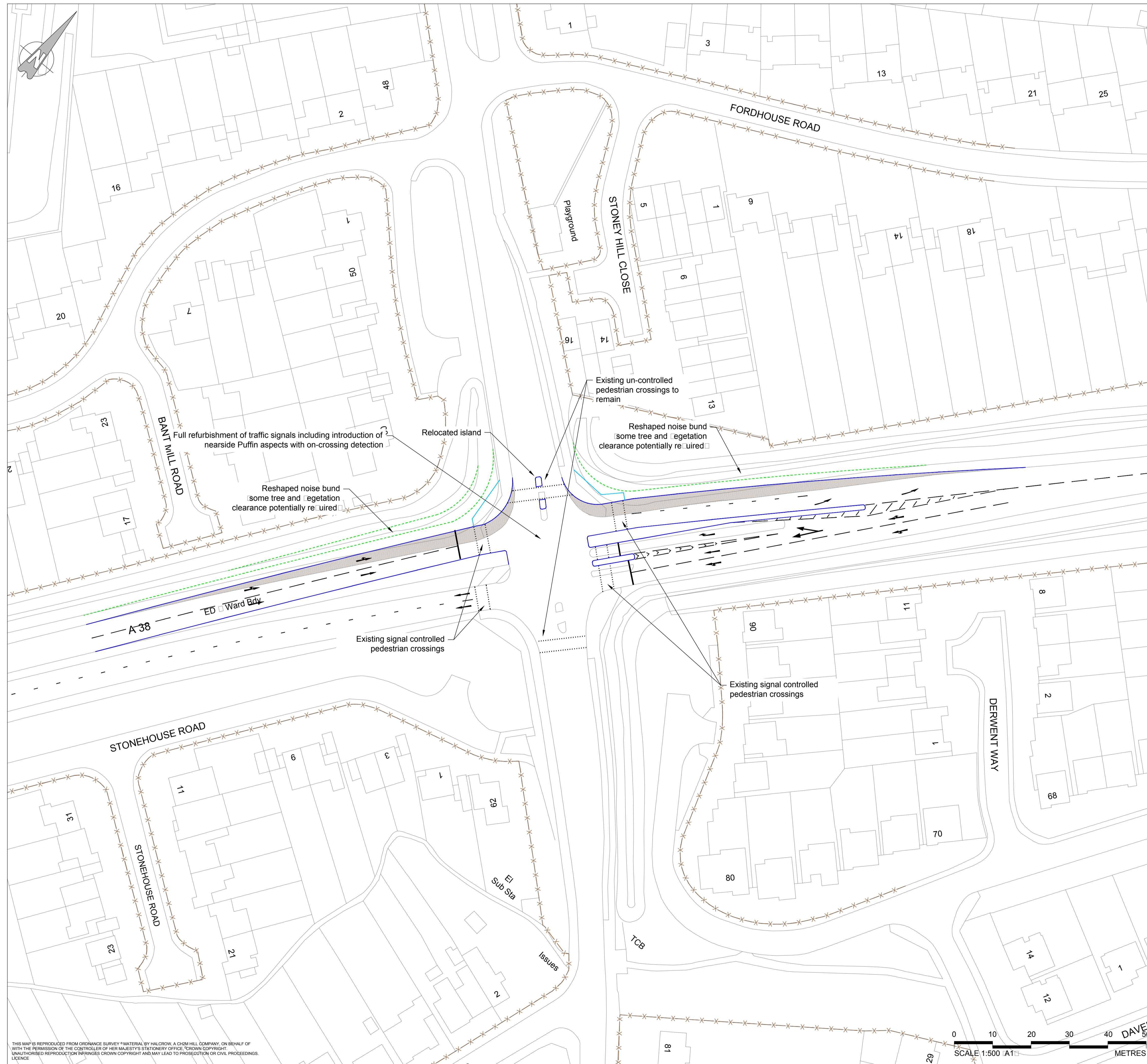


THIS MAP IS REPRODUCED FROM ORDNANCE SURVEY MATERIALS BY HALCROW, A CH2MHILL COMPANY, ON BEHALF OF THE PERMISSION OF THE CONTROLLER OF HER MAJESTY'S STATIONERY OFFICE. CROWN COPYRIGHT. UNAUTHORISED REPRODUCTION INFRINGES CROWN COPYRIGHT AND MAY LEAD TO PROSECUTION OR CIVIL PROCEEDINGS. LICENCE.

CH2MHILL
 BROMSGROVE TRANSPORT STRATEGY
 CONCEPT DESIGN
 A38 WORCESTER RD / CHARFORD RD
 SHEET 5 OF 9

worcestershire
 county council

SCALE	1:500 @ A1
DATE	23/10/2015
PROJ	473946.LS.00.10
DWG	473946.LS.00.10-05
SHEET	5 of 9



GENERAL NOTES

1. ALL DIMENSIONS IN METERS UNLESS STATED OTHERWISE.
2. ALL LEVELS ARE IN METERS RELATIVE TO ORDNANCE DATUM.
3. DO NOT SCALE FROM THIS DRAWING.

NOTES

NO.	DATE	DR	ADS	CHK	APVD	LT	DL

FOR COMMENT

LEGEND

- Proposed highway kerb
- Proposed footway kerb
- Proposed road markings
- Proposed verge/embankment
- Proposed highway boundary
- Existing speed limits
- Approximate size and location of tree to be retained
- Approximate size and location of tree to be removed
- Carriageway widening

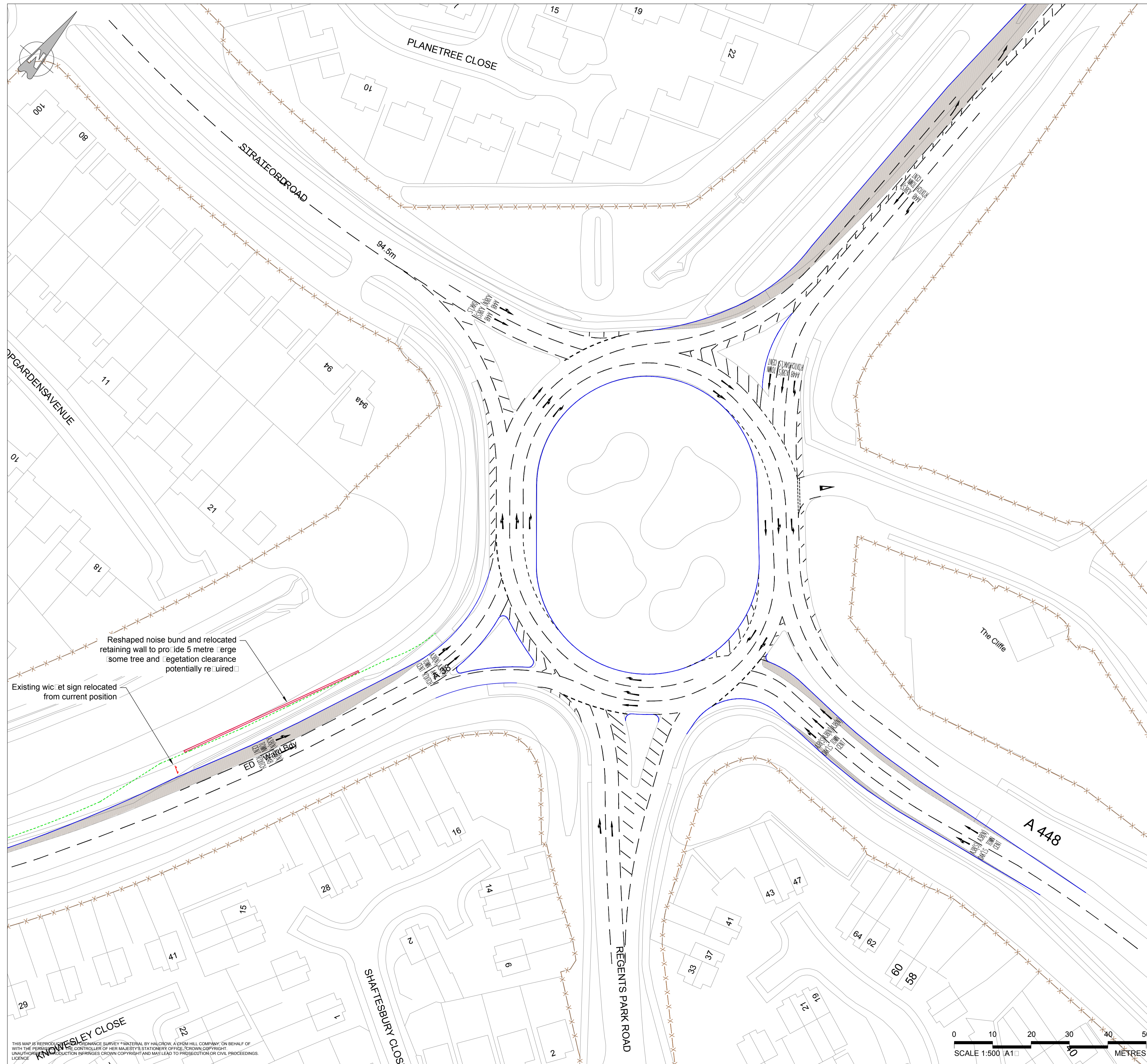


CH2MHILL

BROMSGROVE TRANSPORT STRATEGY
 CONCEPT DESIGN
 A38 / NEW RD
 SHEET 6 OF 9

SCALE	1:500 @ A1
DATE	23/10/2015
PROJ	473946.LS.00.10
DWG	473946.LS.00.10-06
SHEET	6 of 9

THIS MAP IS REPRODUCED FROM ORDNANCE SURVEY MATERIAL BY HALCROW, A CH2MHILL COMPANY, ON BEHALF OF THE PERMISSOR OF THE CONTROLLER OF HER MAJESTY'S STATIONERY OFFICE. CROWN COPYRIGHT. UNAUTHORISED REPRODUCTION INFRINGES CROWN COPYRIGHT AND MAY LEAD TO PROSECUTION OR CIVIL PROCEEDINGS.



GENERAL NOTES

1. ALL DIMENSIONS IN METERS UNLESS STATED OTHERWISE.
2. ALL LEVELS ARE IN METERS RELATIVE TO ORDNANCE DATUM.
3. DO NOT SCALE FROM THIS DRAWING.

NOTES

FOR COMMENT

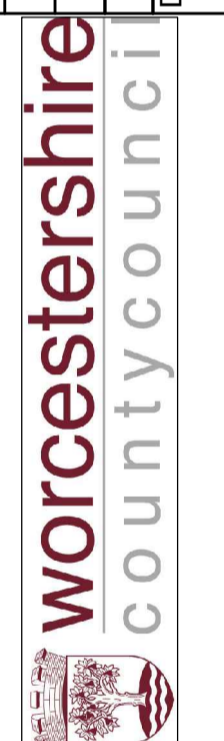
LEGEND

- Proposed highway kerb
- Proposed footway kerb
- Proposed road markings
- Proposed verge/embankment
- Proposed highway boundary
- Existing speed limits
- Approximate size and location of tree to be retained
- Approximate size and location of tree to be removed
- Carriageway widening

THIS MAP IS REPRODUCED FROM AN ORDNANCE SURVEY MATERIAL BY HALCROW, A CH2MHILL COMPANY, ON BEHALF OF THE PERMITTEE. THE CONTROLLER OF HER MAJESTY'S STATIONERY OFFICE, CROWN COPYRIGHT. UNAUTHORISED REPRODUCTION INFRINGES CROWN COPYRIGHT AND MAY LEAD TO PROSECUTION ON CIVIL PROCEEDINGS. LICENSE.

SCALE 1:500 @ A1
0 10 20 30 40 50 METRES

NO.	DSGN	DATE	DR	ADS	CHK	APVD	DL



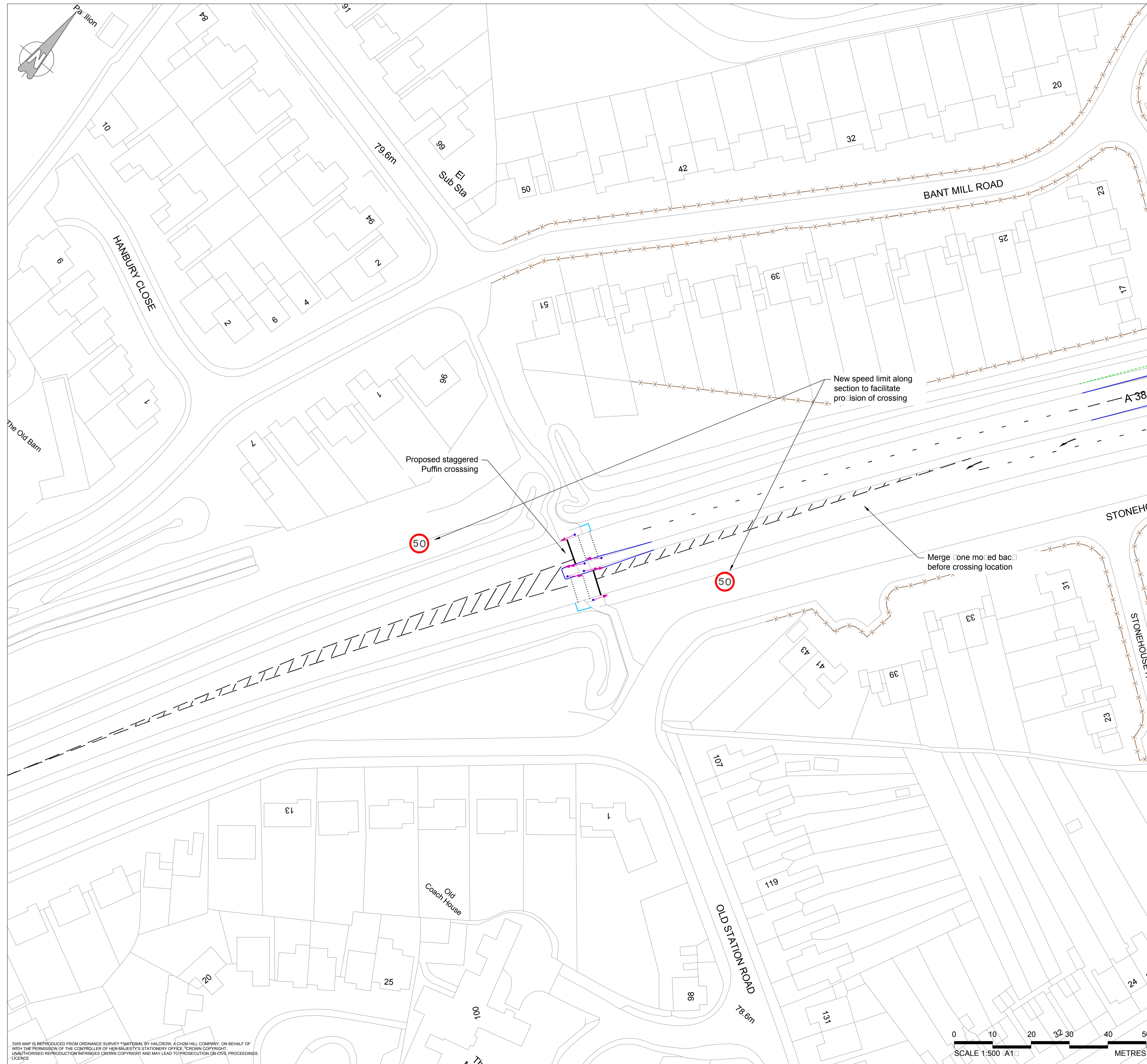
CH2MHILL

BROMSGROVE TRANSPORT STRATEGY

CONCEPT DESIGN
A38 / A448 OAKHILLS ROUNDABOUT - OPTION 1
SHEET 7 OF 9

SCALE	1:500 @ A1
DATE	23/10/2015
PROJ	473946.LS.00.10
DWG	473946.LS.00.10-07
SHEET	7 of 9

Sheet 8 of 9
NOT USED



GENERAL NOTES

1. ALL DIMENSIONS IN METERS UNLESS STATED OTHERWISE.
2. ALL LEVELS ARE IN METERS RELATIVE TO ORDNANCE DATUM.
3. DO NOT SCALE FROM THIS DRAWING.

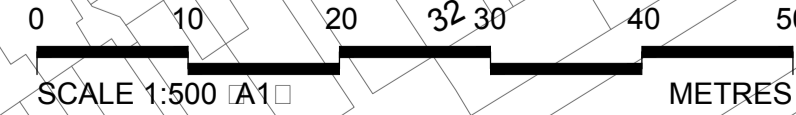
NOTES

NO.	DATE	DSGN	DR	ADS	CHK	APVD	LT	DL

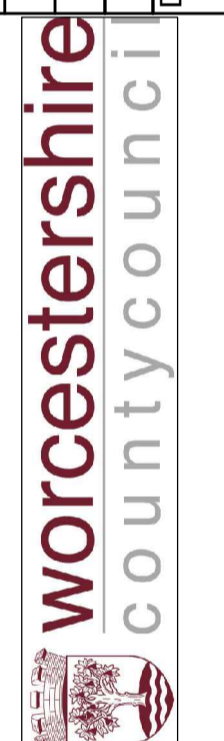
FOR COMMENT

LEGEND

- Proposed highway kerb
- Proposed footway kerb
- Proposed road markings
- Proposed kerb/embankment
- Proposed highway boundary
- Existing speed limits
- Approximate size and location of tree to be retained
- Approximate size and location of tree to be removed
- Carriageway widening



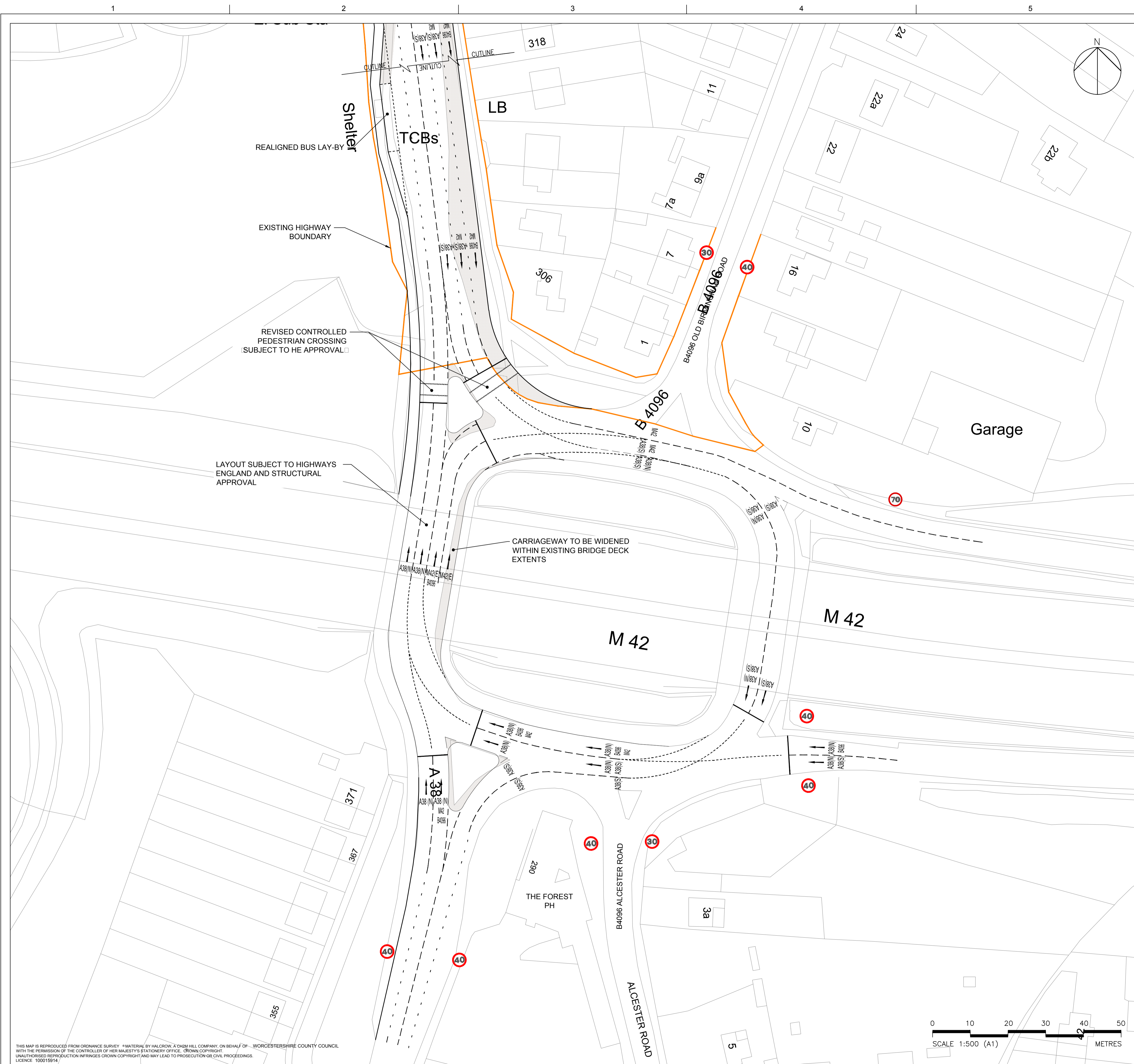
THIS MAP IS REPRODUCED FROM ORDNANCE SURVEY MATERIAL BY HALCROW, A CH2MHILL COMPANY, ON BEHALF OF WITH THE PERMISSION OF THE CONTROLLER OF HER MAJESTY'S STATIONERY OFFICE. CROWN COPYRIGHT. UNAUTHORISED REPRODUCTION INFRINGES CROWN COPYRIGHT AND MAY LEAD TO PROSECUTION OR CIVIL PROCEEDINGS IN COURT OF LAW.



CH2MHILL

BROMSGROVE TRANSPORT STRATEGY
CONCEPT DESIGN
A38 NEW STAGGERED CROSSING
 SHEET 9 OF 9

SCALE	1:500 @ A1
DATE	23/10/2015
PROJ	473946.LS.00.10
DWG	473946.LS.00.10-09
SHEET	9 of 9



GENERAL NOTES

- DO NOT SCALE FROM THIS DRAWING.
- ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.

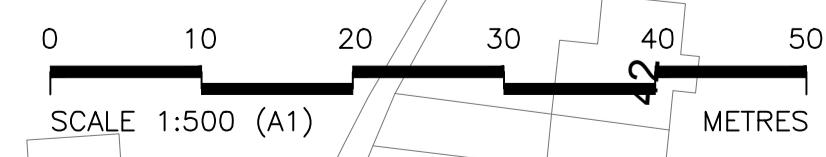
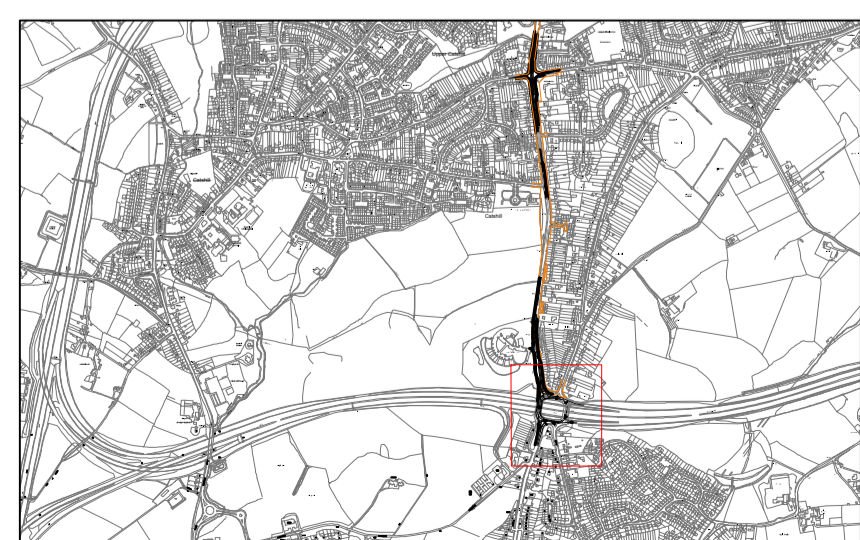
NOTES

- PROPOSED LAYOUT SUBJECT TO HIGHWAYS ENGLAND APPROVAL AND A STRUCTURAL ASSESSMENT OF THE INTERCHANGE BRIDGE.

LEGEND

- Existing speed limits
- Carrieway widening
- Highway Boundary

KEY PLAN



THIS MAP IS REPRODUCED FROM ORDNANCE SURVEY. MATERIAL BY HALCROW, A CH2M HILL COMPANY, ON BEHALF OF WORCESTERSHIRE COUNTY COUNCIL WITH THE PERMISSION OF THE CONTROLLER OF HER MAJESTY'S STATIONERY OFFICE. CROWN COPYRIGHT. UNAUTHORISED REPRODUCTION INFRINGES CROWN COPYRIGHT AND MAY LEAD TO PROSECUTION OR CIVIL PROCEEDINGS. LICENCE: 100015914

		BROMSGROVE TRANSPORT PACKAGE		A38/M42		GENERAL ARRANGEMENT	
		DATE: 29/02/16		PROJ: 473946-XA.00.10		DWG: 0101	
1 = 500 @ A1		VERIFY SCALE		BAR IS 25mm ON ORIGINAL DRAWING.		25mm	
DATE: 29/02/16		PROJ: 473946-XA.00.10		DWG: 0101		SHEET: 1 of 6	

FOR COMMENT	DRG STATUS	DRG REV	P01
NSM	MA	MA	MA
BY /APVD	REVISION	CHK	NSM
DATE	DATE	DATE	DATE
29/02/16	29/02/16	29/02/16	29/02/16
S2	P01	DR	MA
DSGN	REV	DR	MA

REUSE OF DOCUMENTS: THIS DOCUMENT AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CH2M HILL AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CH2M HILL. ©CH2M HILL 2013. ALL RIGHTS RESERVED.



GENERAL NOTES

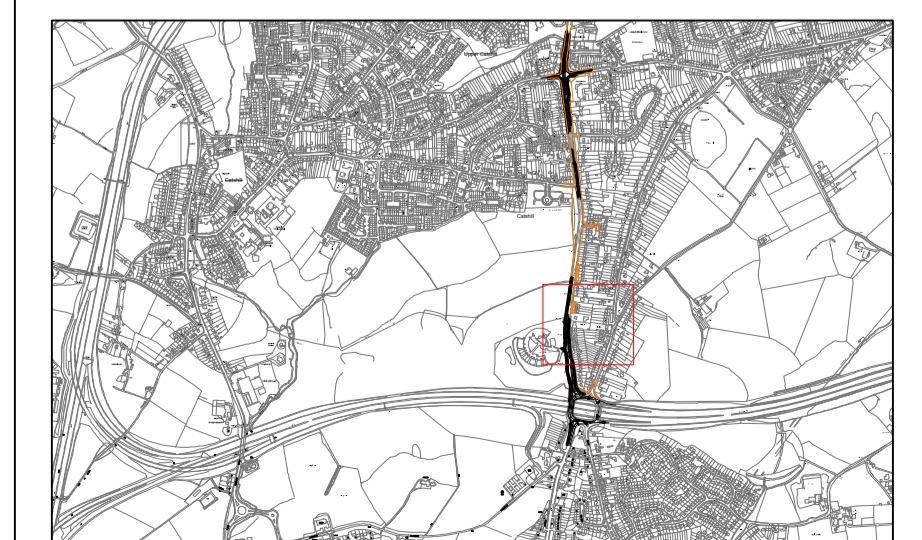
- DO NOT SCALE FROM THIS DRAWING.
- ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.

NOTES

LEGEND

- Existing speed limits
- Carriageway widening
- Highway Boundary

KEY PLAN



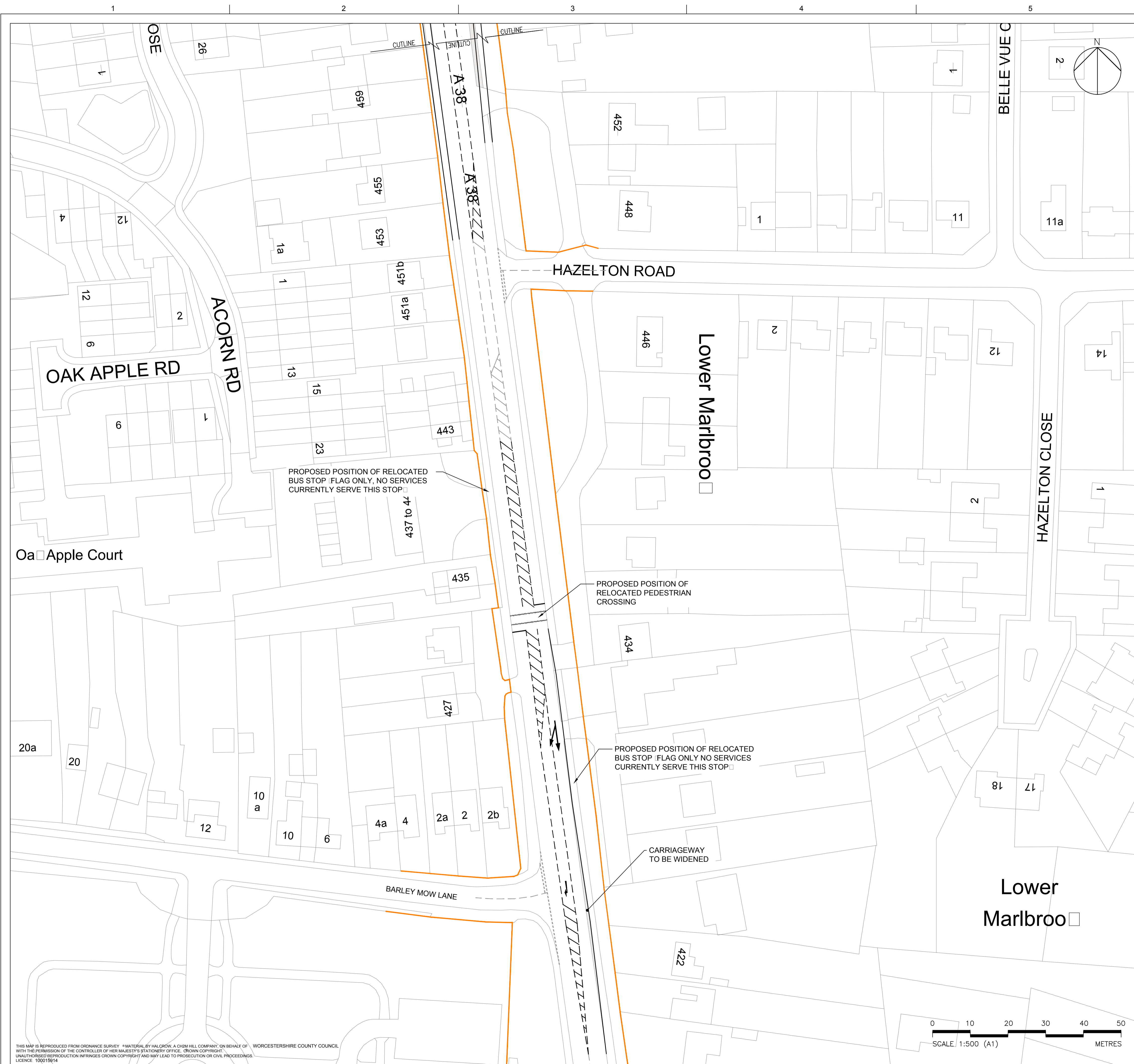
FOR COMMENT	DRG STATUS	DRG REV
	S2	P01

STATUS REV	DATE	CHK	REVISION	MA	APVD
S2	P01	29/02/16	FIRST ISSUE	NSM	MA
DSGN	DR	MA	NSM	MA	MA

CH2MHILL®
 BROMSGROVE TRANSPORT PACKAGE
 A38/M42
 GENERAL ARRANGEMENT

1 = 500 @ A1
VERIFY SCALE
BAR IS 25mm ON ORIGINAL DRAWING.
DATE 29/02/16
PROJ 473946-XA.00.10
DWG 0102
SHEET 2 of 6

THIS MAP IS REPRODUCED FROM ORDNANCE SURVEY. MATERIAL BY HALCROW, A CH2M HILL COMPANY, ON BEHALF OF WORCESTERSHIRE COUNTY COUNCIL WITH THE PERMISSION OF THE CONTROLLER OF HER MAJESTY'S STATIONERY OFFICE. CROWN COPYRIGHT. UNAUTHORISED REPRODUCTION INFRINGES CROWN COPYRIGHT AND MAY LEAD TO PROSECUTION OR CIVIL PROCEEDINGS. LICENCE: 100015914



GENERAL NOTES

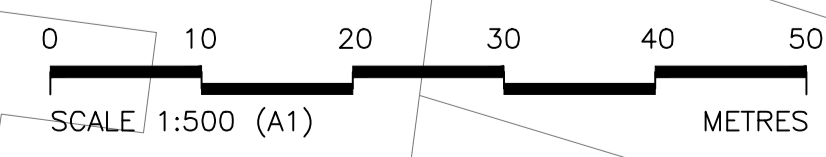
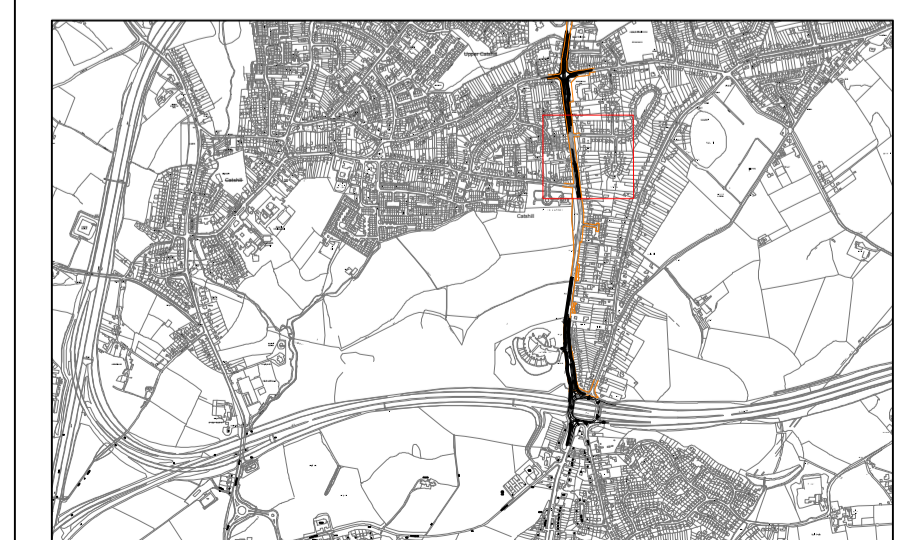
- 1. DO NOT SCALE FROM THIS DRAWING.
- 2. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.

NOTES

LEGEND

- Existing speed limits
- Carriageway widening
- Highway Boundary

KEY PLAN



STATUS	REV	DATE	DR	CHK	REVISION	BY	APVD	FOR COMMENT
S2	P01	29/02/16	MA	NSM			MA	
DRG STATUS	S2		MA				MA	
								P01

CH2MHILL®
 BROMSGROVE TRANSPORT PACKAGE
 A38/M42
 GENERAL ARRANGEMENT
 Title4

DATE	29/02/16
PROJ	473946-XA.00.10
DWG	0103
SHEET	3 of 6

1 = 500 @ A1
 VERIFY SCALE
 BAR IS 25mm ON ORIGINAL DRAWING.
 0 25mm

THIS MAP IS REPRODUCED FROM ORDNANCE SURVEY. MATERIAL BY HALCROW, A CH2M HILL COMPANY, ON BEHALF OF WORCESTERSHIRE COUNTY COUNCIL WITH THE PERMISSION OF THE CONTROLLER OF HER MAJESTY'S STATIONERY OFFICE. CROWN COPYRIGHT. UNAUTHORISED REPRODUCTION INFRINGES CROWN COPYRIGHT AND MAY LEAD TO PROSECUTION OR CIVIL PROCEEDINGS. LICENCE: 100015814



GENERAL NOTES

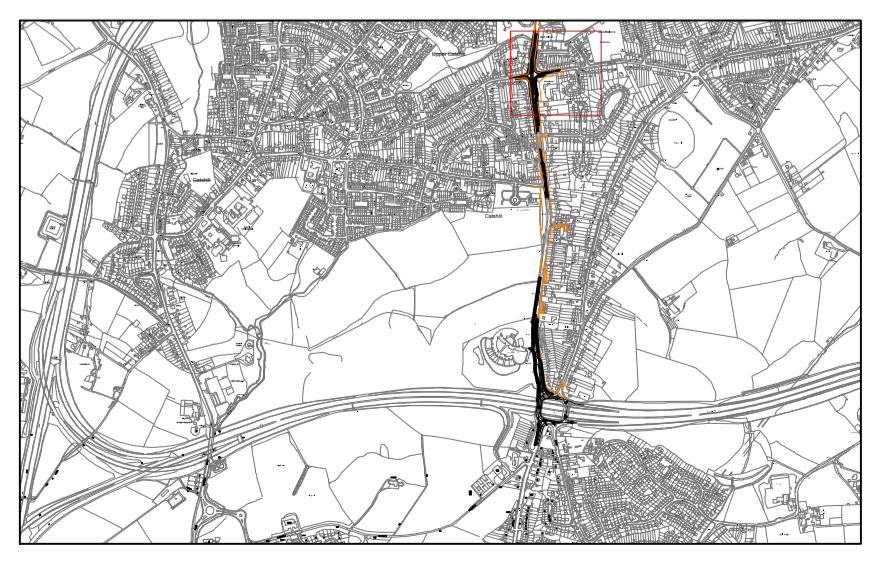
- 1. DO NOT SCALE FROM THIS DRAWING.
- 2. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.

NOTES

LEGEND

- Existing speed limits
- Carriageway widening
- Highway Boundary

KEY PLAN



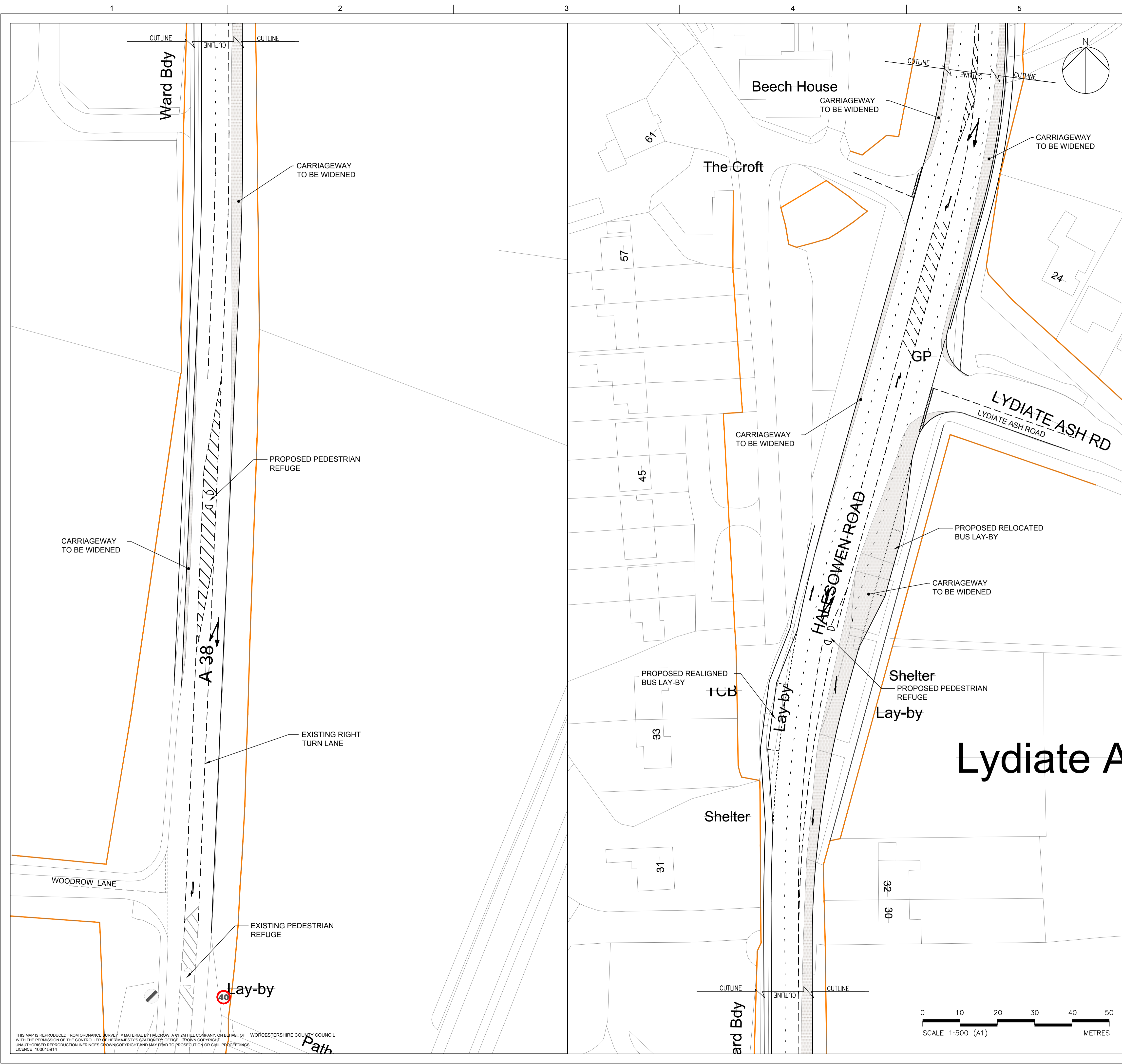
FOR COMMENT	DRG STATUS	DRG REV
	S2	P01

NSM	MA	APVD
BY	MA	MA
REVISION	CHK	NSM
DATE	DR	MA
29/02/16	MA	MA
STATUS REV	DATE	DATE
S2	P01	29/02/16
DSGN	MA	MA

CH2MHILL
 BROMSGROVE TRANSPORT PACKAGE
 A38/M42
 GENERAL ARRANGEMENT
 Title 4

DATE	29/02/16
PROJ	473946-XA.00.10
DWG	0104
SHEET	4 of 6

THIS MAP IS REPRODUCED FROM ORDNANCE SURVEY. MATERIAL BY HALCROW, A CH2M HILL COMPANY, ON BEHALF OF WORCESTERSHIRE COUNTY COUNCIL. WITH THE PERMISSION OF THE CONTROLLER OF HER MAJESTY'S STATIONERY OFFICE. CROWN COPYRIGHT. UNAUTHORISED REPRODUCTION INFRINGES CROWN COPYRIGHT AND MAY LEAD TO PROSECUTION OR CIVIL PROCEEDINGS. LICENCE: 100015914



GENERAL NOTES

- 1. DO NOT SCALE FROM THIS DRAWING.
- 2. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.

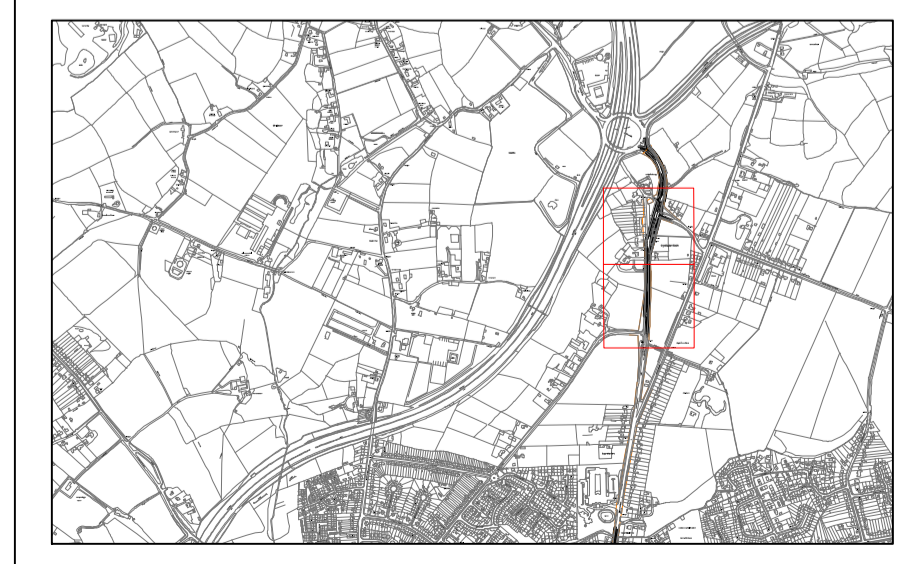
NOTES

- 1. DESIGN SPEED TO BE 70KPH
- 2. EXISTING 60mph SPEED LIMIT TO BE REVIEWED

LEGEND

- Existing speed limits
- Carriageway widening
- Highway Boundary

KEY PLAN



FOR COMMENT	DRG STATUS	DRG REV	P01
	S2		
NSM	BY	APVD	MA
NSM	MA		

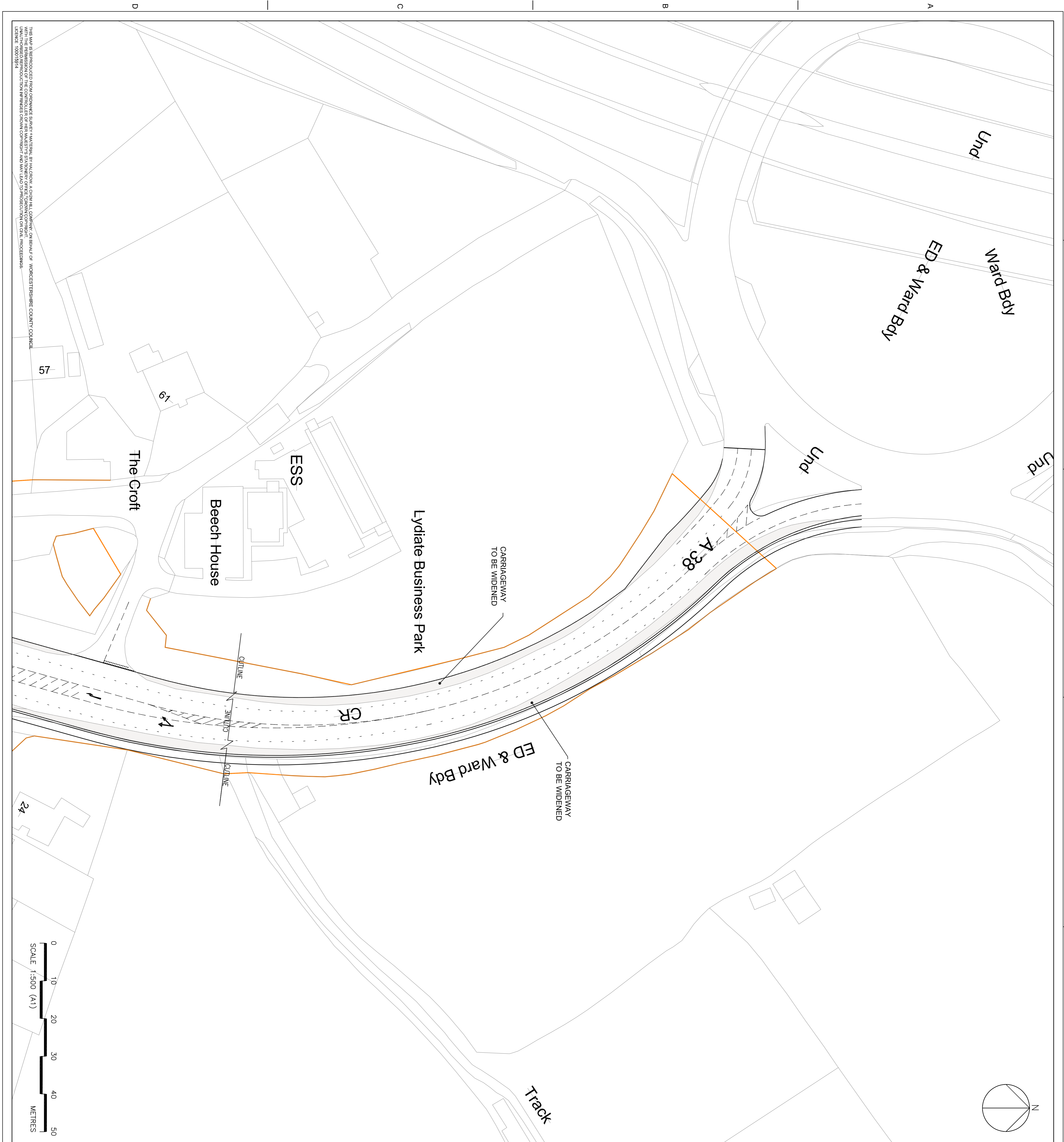
REVISION	CHK	NSM	APVD	MA
DATE	DR	MA		
29/02/16				
P01				
S2				
STATUS REV	DATE	DR	MA	
DRSGN				

BROMSGROVE TRANSPORT PACKAGE	
A38/M42	
GENERAL ARRANGEMENT	

CH2MHILL

1 = 500 @ A1
VERIFY SCALE
BAR IS 25mm ON ORIGINAL DRAWING.
DATE 29/02/16
PROJ 473946-XA.00.10
DWG 0105
SHEET 5 of 6

THIS MAP IS REPRODUCED FROM ORDNANCE SURVEY MATERIAL BY HALCSROW, A CH2M HILL COMPANY, ON BEHALF OF WORCESTERSHIRE COUNTY COUNCIL WITH THE PERMISSION OF THE CONTROLLER OF HER MAJESTY'S STATIONERY OFFICE. CROWN COPYRIGHT. UNAUTHORISED REPRODUCTION INFRINGES CROWN COPYRIGHT AND MAY LEAD TO PROSECUTION OR CIVIL PROCEEDINGS. LICENCE: 100015914



GENERAL NOTES

- DO NOT SCALE FROM THIS DRAWING.
- ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.

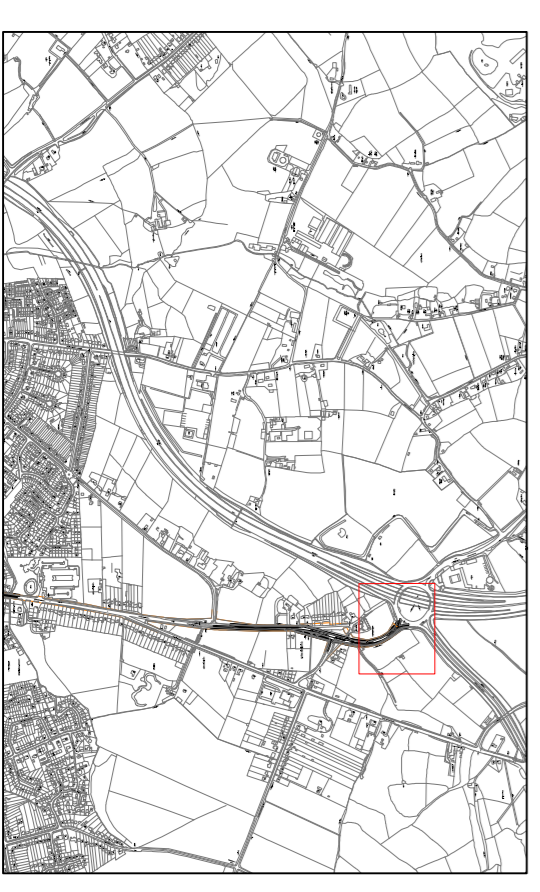
NOTES

- DESIGN SPEED TO BE 70KPH. EXISTING SPEED LIMIT OF 60MPH TO BE REVIEWED.

LEGEND

- Existing speed limits
- Carriageway widening
- Highway Boundary

KEY PLAN



CH2MHILL
 BROMSGROVE TRANSPORT PACKAGE
A38/M42
GENERAL ARRANGEMENT

1 = 500 @ A1
 VERIFY SCALE
 BAR IS 25mm ON ORIGINAL DRAWING.
 DATE 29/02/16
 PROJ 473946-XA.00.10
 DWG 0106
 SHEET 6 of 6

STATUS	REV	DATE	DR	CHK	REVISION	BY	APVD	DRG STATUS	DRG REV
S2	P01	29/02/16	MA	NSM	FIRST ISSUE	MA	MA	S2	P01

FOR COMMENT

THE ABOVE REPRESENTS PRELIMINARY DESIGN AND IS SUBJECT TO CHANGE WITHOUT NOTICE. THE CLIENT'S RESPONSIBILITY IS TO VERIFY THE ACCURACY OF ALL INFORMATION PROVIDED TO CH2M HILL. CH2M HILL ACCEPTS NO LIABILITY FOR ANY LOSS OR DAMAGE, INCLUDING REASONABLE ATTORNEY'S FEES, ARISING FROM THE USE OF THIS DOCUMENT. THE CLIENT'S RESPONSIBILITY IS TO VERIFY THE ACCURACY OF ALL INFORMATION PROVIDED TO CH2M HILL. CH2M HILL ACCEPTS NO LIABILITY FOR ANY LOSS OR DAMAGE, INCLUDING REASONABLE ATTORNEY'S FEES, ARISING FROM THE USE OF THIS DOCUMENT.

FILENAME: 473946-XA-0101_0106_GA.dwg PLOT DATE: 10-03-16 PLOT TIME: 12:05pm

This page is intentionally left blank