

**RESIDUAL DESIGN HAZARDS**  
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**KEY:**

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- Cycleway 2.5m
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Revision	Revision comment	
P02	Revised for SMBC Cabinet Report	
	Drawn: JL	Date: 26/01/2024
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Working on behalf of

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WOLVERHAMPTON  
COUNCIL

part of

Sandwell  
Metropolitan Borough Council

Project Name  
**A4123 Transport Study & OBC**

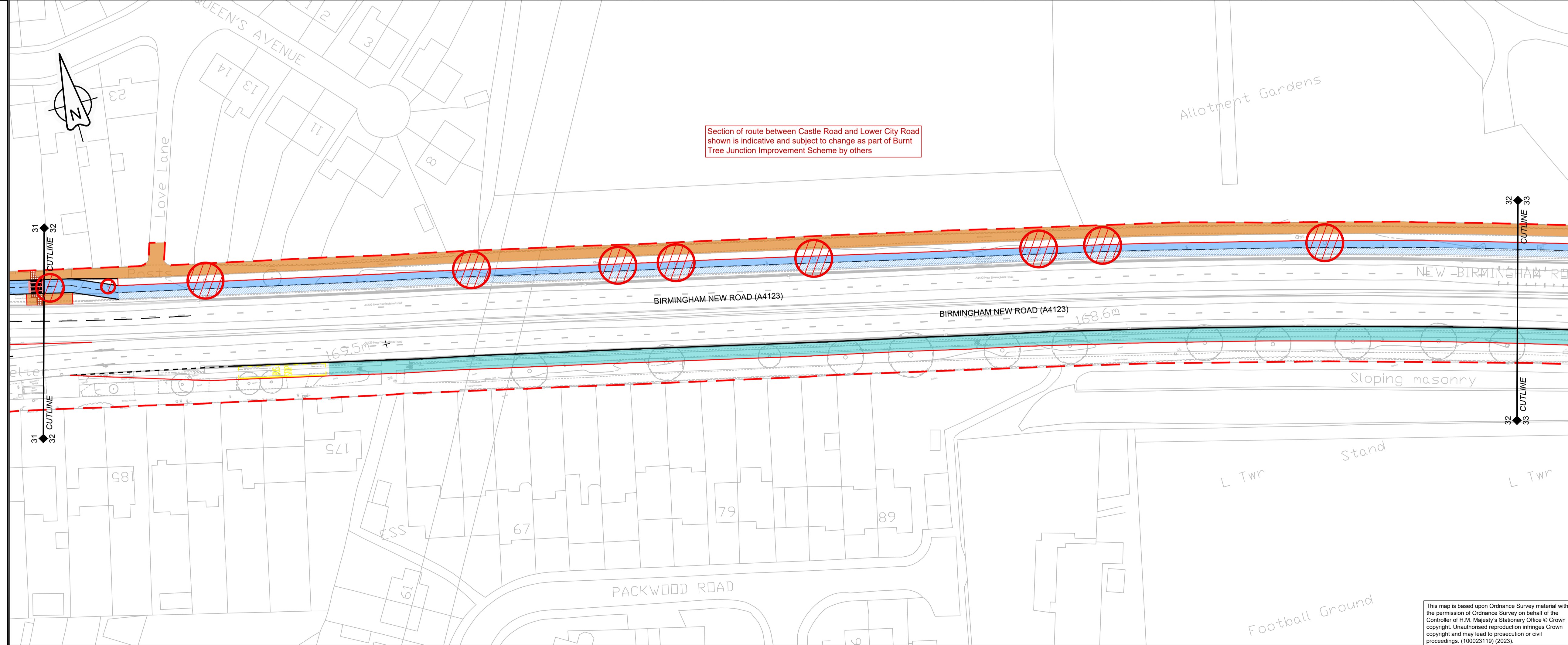
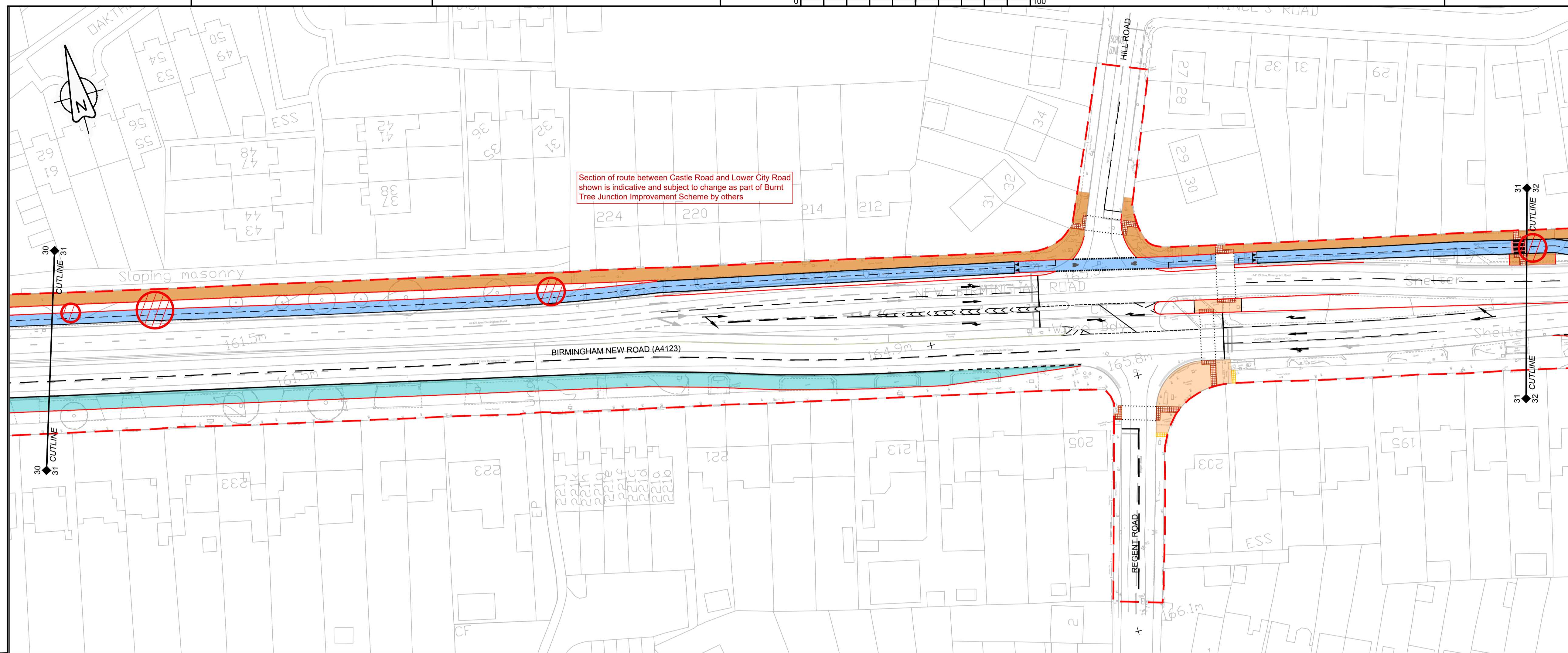
Drawing Title  
**Option C: Comprehensive Bus Priority**  
 Sheet 16 of 29

Project Ref. No: COMHA1CWC018      Scale: 1:500      @ A1  
 Stage: Preliminary Design      Dimensions: m

Drawing Number  
 Project Number | Originator | Volume  
**COMHA1CWC018 - AMY - HGN**  
 A4123 -DR-CH-010075  
 Location | Type | Role | Number

Suitability	Suitability Description	Revision
S2	Suitable For Information	P02

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Project Name  
**A4123 Transport Study & OBC**

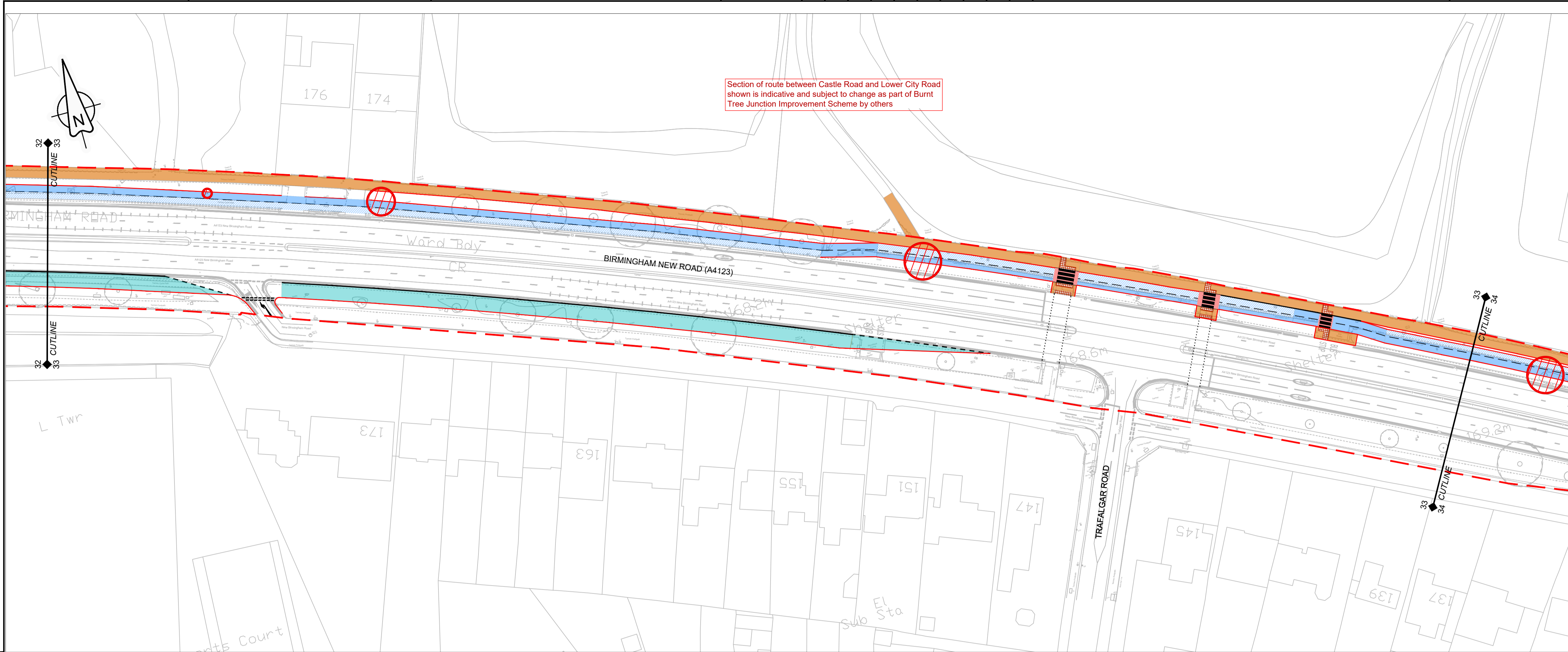
Drawing Title  
**Option C: Comprehensive Bus Priority**  
Sheet 17 of 29

Project Ref. No: COMHA1CWC018 | Scale: 1:500 @ A1  
Stage: Preliminary Design | Dimensions: m

Drawing Number  
Project Number | Originator | Volume  
**COMHA1CWC018 - AMY - HGN**  
A4123 -DR-CH-010076  
Location | Type | Role | Number

Suitability	Suitability Description	Revision
S2	Suitable For Information	P02

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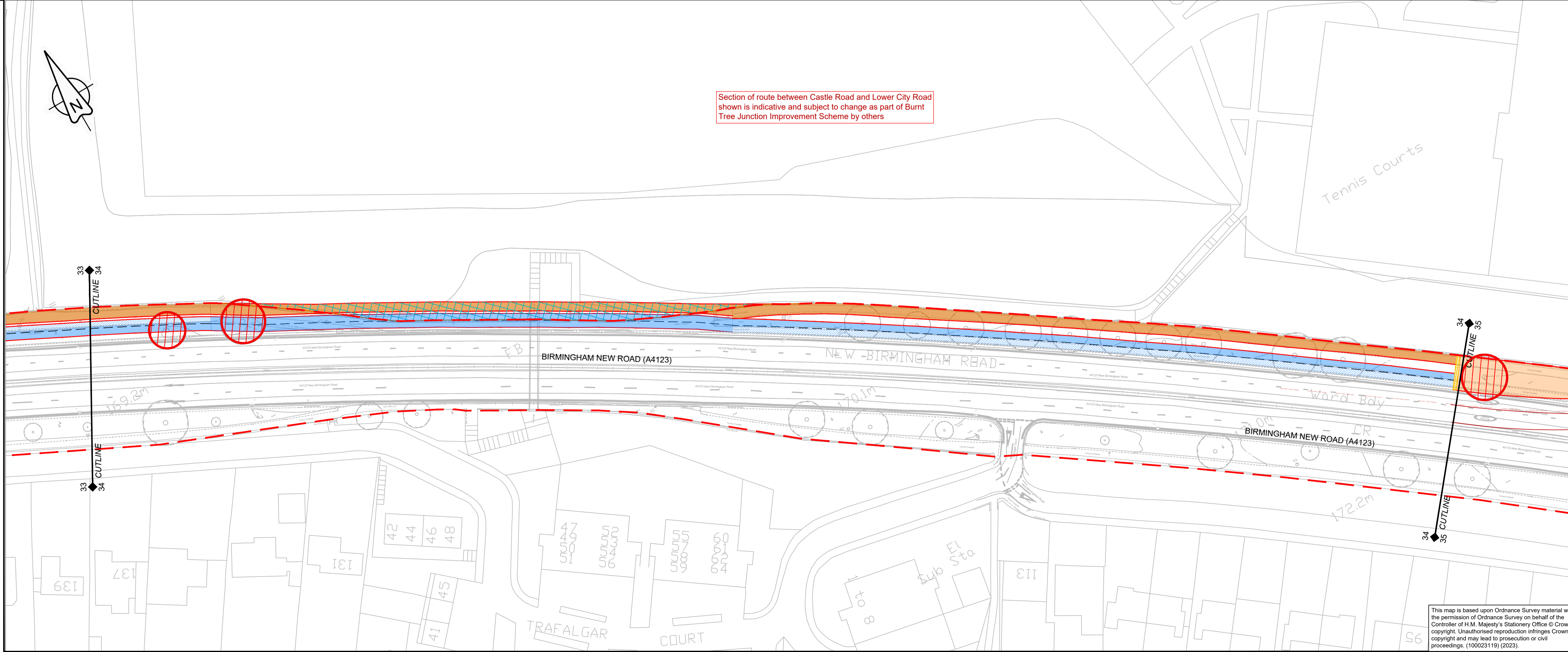
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Working on behalf of:

CITY OF WOLVERHAMPTON COUNCIL

Dudley part of bct Black Country Transport

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Project Name  
**A4123 Transport Study & OBC**

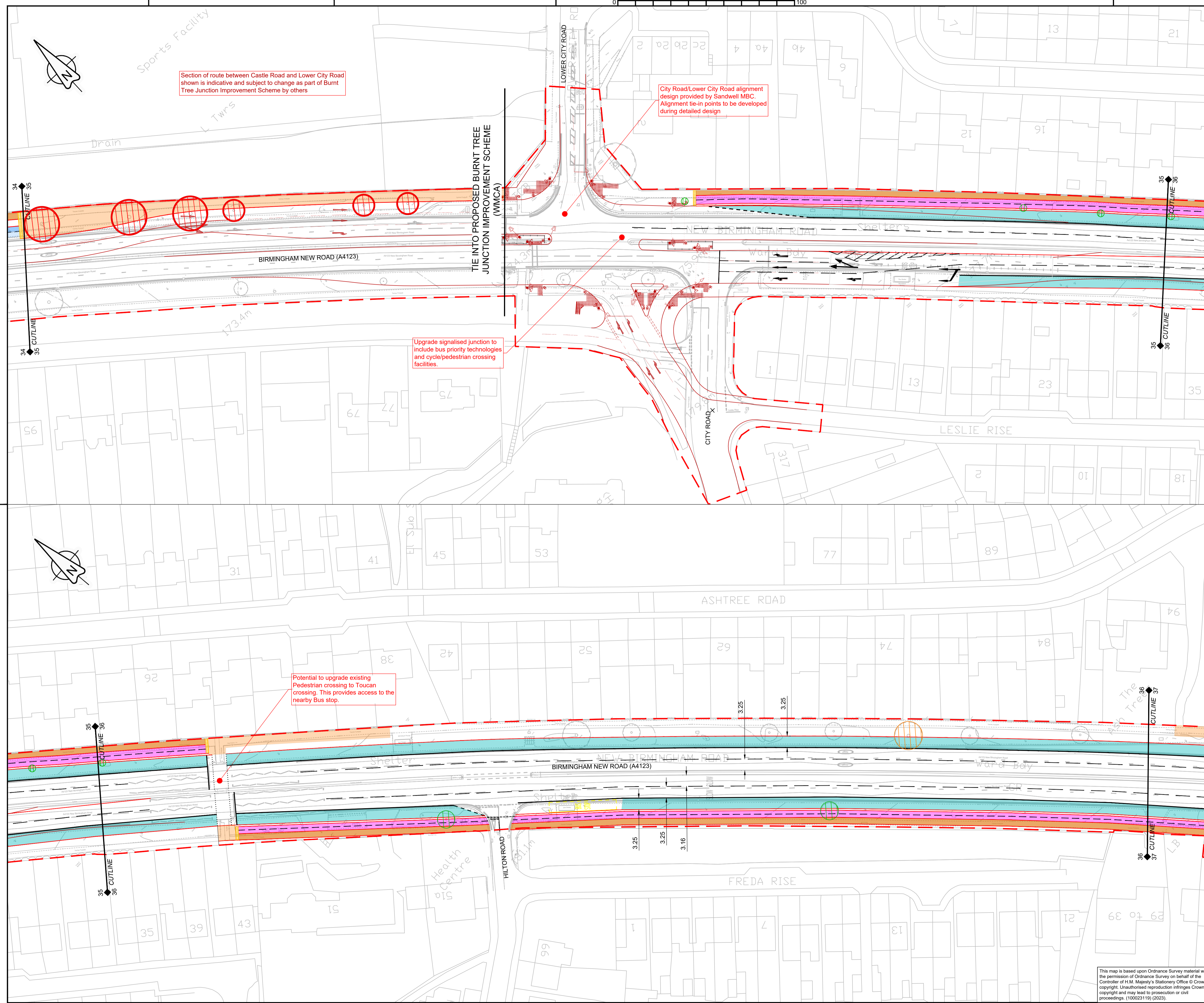
Drawing Title  
**Option C: Comprehensive Bus Priority**  
 Sheet 18 of 29

Project Ref. No: COMHA1CWC018	Scale: 1:500	@ A1
Stage: Preliminary Design	Dimensions: m	

Drawing Number	Project Number	Originator	Volume
COMHA1CWC018 - AMY - HGN	A4123	-DR-CH-	010077
Location	Type	Role	Number

Suitability	Suitability Description	Revision
S2	Suitable For Information	P02

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Working on behalf of:

CITY OF WOLVERHAMPTON COUNCIL

Dudley part of bct Black Country Transport

Sandwell

Project Name  
**A4123 Transport Study & OBC**

Drawing Title  
**Option C: Comprehensive Bus Priority**  
**Sheet 19 of 29**

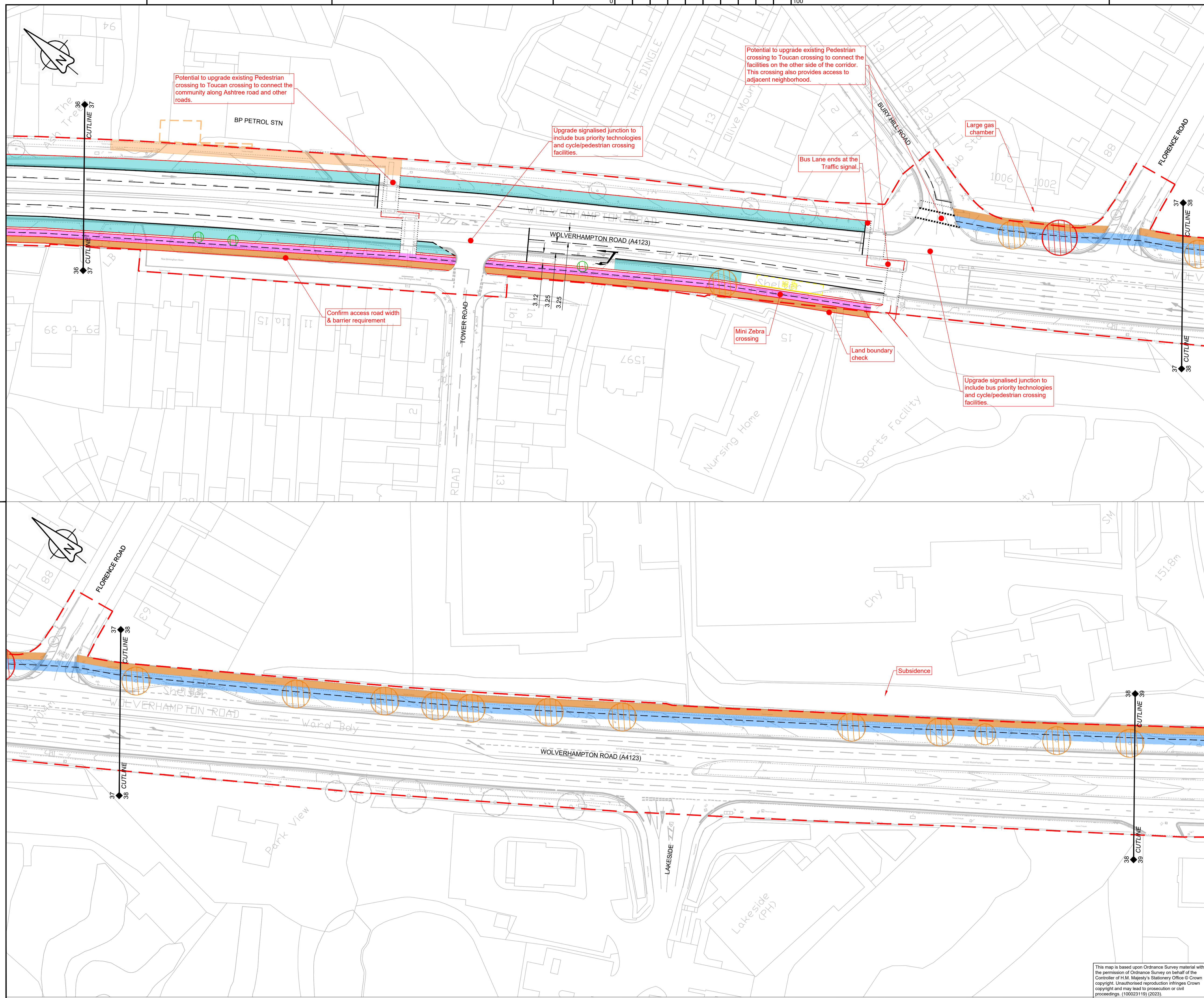
Project Ref. No: COMHA1CWC018 Scale: 1:500 @ A1

Stage: Preliminary Design Dimensions: m

Drawing Number  
Project Number | Originator | Volume  
**COMHA1CWC018 - AMY - HGN**  
**A4123 -DR-CH-010078**  
Location | Type | Role | Number

Suitability	Suitability Description	Revision
S2	Suitable For Information	P02

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Working on behalf of:

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Sandwell

Project Name  
**A4123 Transport Study & OBC**

Drawing Title  
**Option C: Comprehensive Bus Priority**  
**Sheet 20 of 29**

Project Ref. No: COMHA1CWC018	Scale: 1:500 @ A1
Stage: Preliminary Design	Dimensions: m

Drawing Number	Project Number	Originator	Volume
COMHA1CWC018 - AMY - HGN	A4123	-DR-CH-	010079
Location	Type	Role	Number

Suitability	Suitability Description	Revision
S2	Suitable For Information	P01.01

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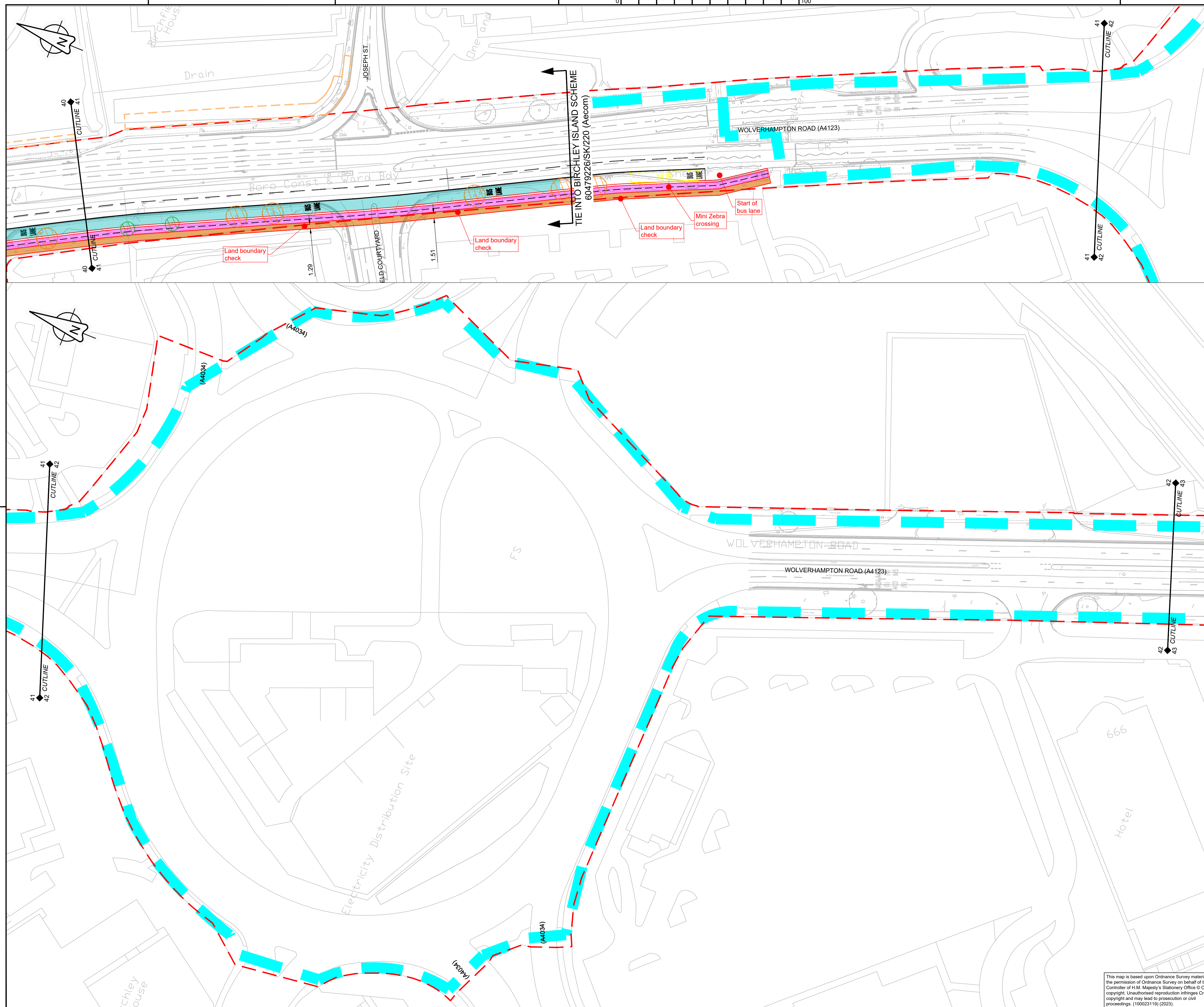
Drawing Title  
**Option C: Comprehensive Bus Priority**  
Sheet 21 of 29

Project Ref. No: COMHA1CWC018 | Scale: 1:500 @ A1  
Stage: Preliminary Design | Dimensions: m

Drawing Number  
Project Number | Originator | Volume  
**COMHA1CWC018 - AMY - HGN**  
A4123 -DR-CH-010080  
Location | Type | Role | Number

Suitability	Suitability Description	Revision
S2	Suitable For Information	P01.01

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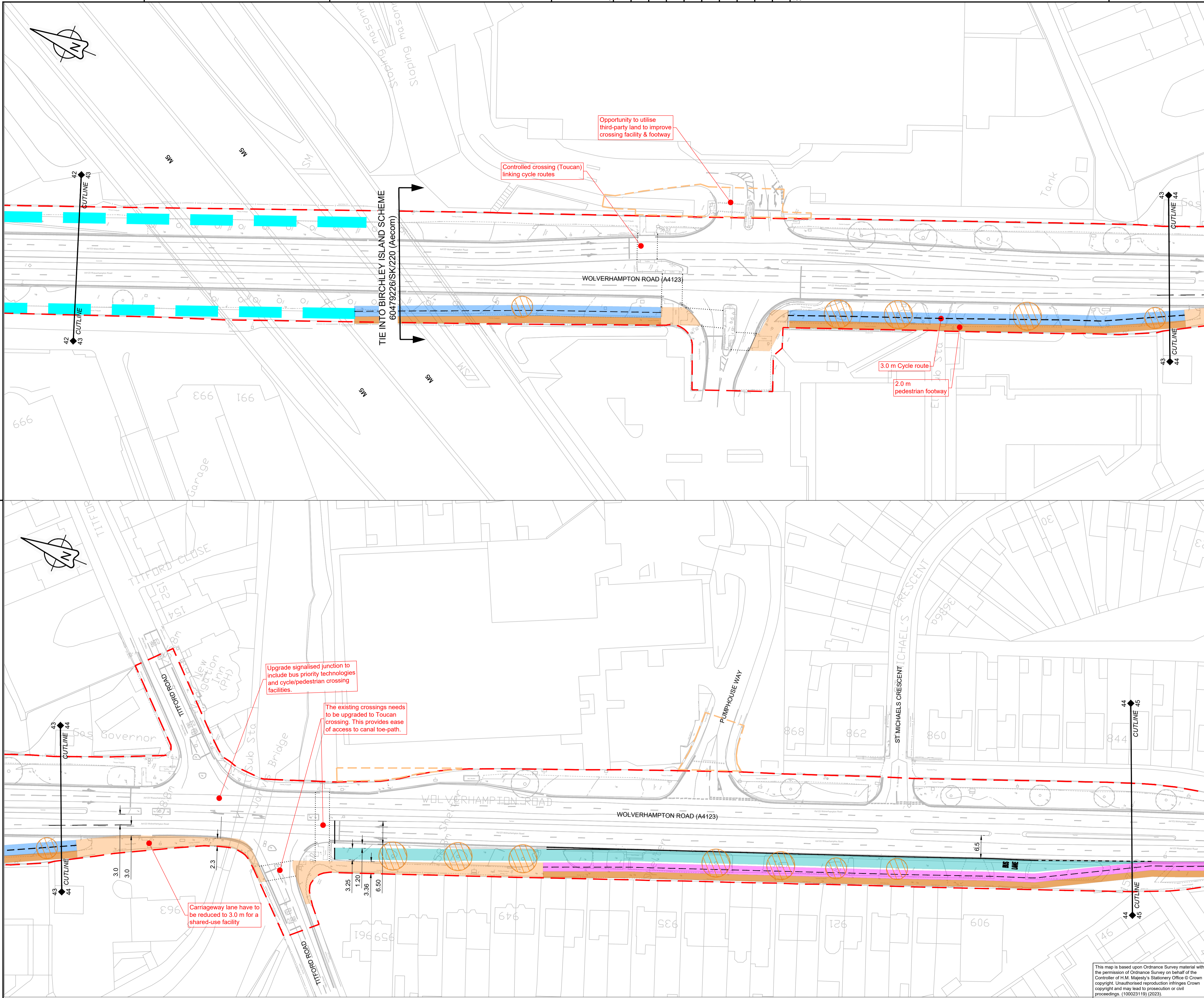
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**Option C: Comprehensive Bus Priority**  
Sheet 22 of 29

Project Ref. No: COMHA1CWC018 | Scale: 1:500 @ A1  
Stage: Preliminary Design | Dimensions: m

Drawing Number  
Project Number | Originator | Volume  
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A4123 -DR-CH-010081  
Location | Type | Role | Number

Suitability	Suitability Description	Revision
S2	Suitable For Information	P01.01

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**Option C: Comprehensive Bus Priority**  
**Sheet 23 of 29**

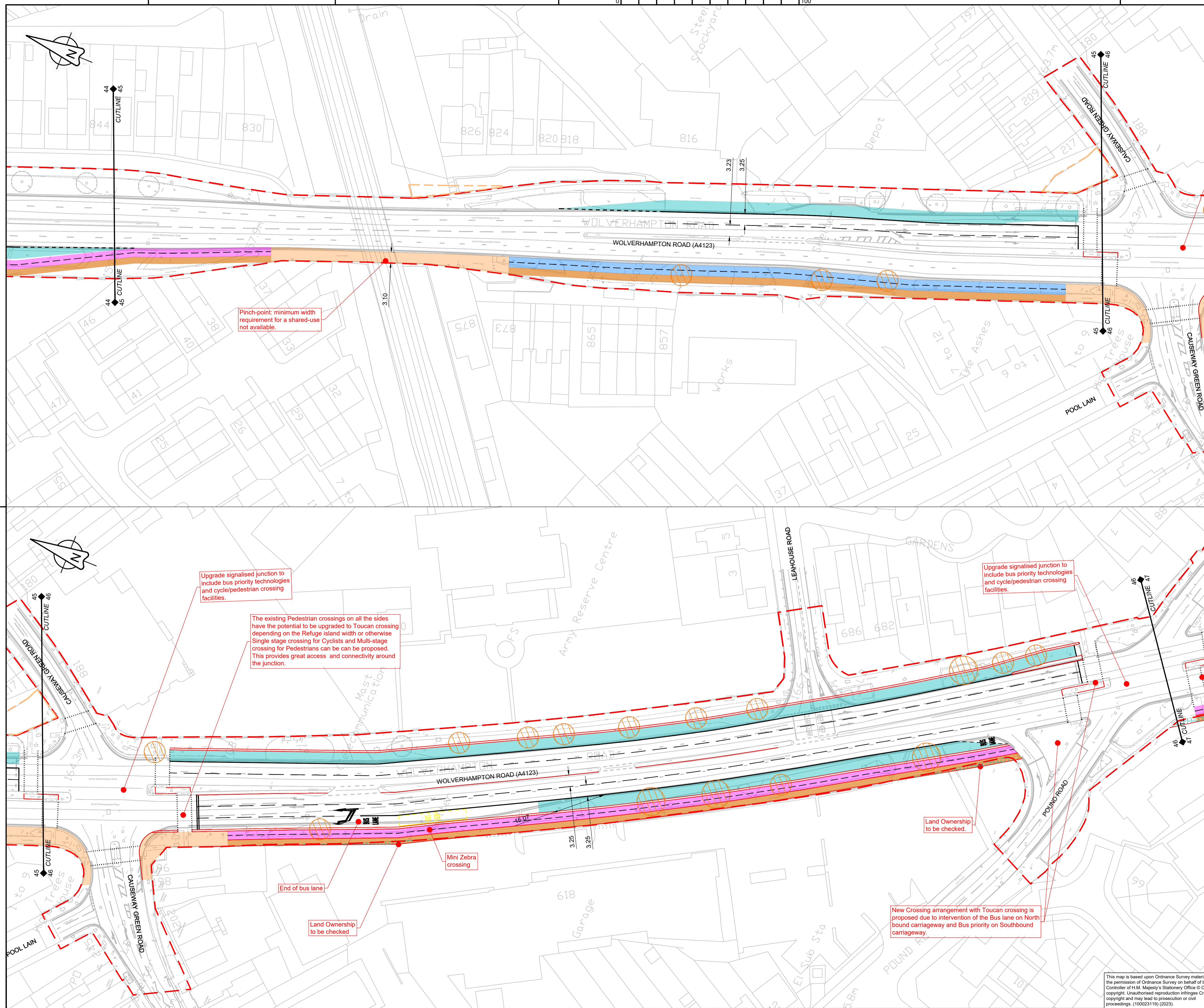
Project Ref. No: COMHA1CWC018	Scale: 1:500 @ A1
Stage: Preliminary Design	Dimensions: m

Drawing Number	Project Number	Originator	Volume
COMHA1CWC018 - AMY - HGN	A4123	-DR-CH-	010082
Location	Type	Role	Number

Suitability	Suitability Description	Revision
S2	Suitable For Information	P01.01

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### RESIDUAL DESIGN HAZARDS

(The following information has been collected from Preconstruction Information and the Amey CDM Hazard Management Process.)

- Hazards identified on site walkover.

NOTE:  
Residual hazards identified in designs by others not shown on this set of drawings.

- NOTES:
- Drawings are to be printed in full colour.
  - All dimensions are in metres unless stated otherwise.
  - The location of bus lanes is based on historic traffic information and where there is adequate highway width. The final design is subject to the results of traffic modelling information.
  - The lane markings shown in the drawings are indicative only. Detailed road markings will be designed in the upcoming stages.
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  - All the bus stops along the corridor will have RTPI and CCTV installed.
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  - Design based on topo-survey data, therefore some discrepancies with OS Map at tie-ins may occur.

- KEY:
- Red Line Boundary
  - Proposed pedestrian footway 1.8 - 2.0m. Also to include other areas as shown.
  - Cycleway 3.0m / Existing Cycle Facility
  - Cycleway 2.5m
  - Proposed shared use footway/cycleway
  - Proposed Buffer 1.0 m max
  - Proposed Homezone (Low Speed)
  - Proposed new Kerb
  - Sections of route completed or designed by Sandwell MBC/others under separate AFT funded contract
  - Review 3rd party landtake option (Sheets 20, 22, 24, 25, 27 & 29)
  - Proposed bus lane
  - Areas outside of Red Line Boundary Plan where active travel improvement works are anticipated based on initial SOBC study. Subject to change based on development of the design
  - Areas of significant proposed developer works

- Proposed mature tree to be removed
- Proposed medium diameter tree to be removed
- Proposed small diameter/staked tree to be removed
- Existing WWII memorial tree to remain
- Proposed alteration to side road priority

Revision	Revision comment	Date
P01.01	For Information Only	
	Drawn: RC	05/09/2023
	Checked: LM	11/09/2023
	Approved: SC	12/09/2023
	Designed: VR	05/09/2023
	Drawn: RC	05/09/2023
	Checked: LM	11/09/2023
	Approved: SC	12/09/2023

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Project Name  
**A4123 Transport Study & OBC**

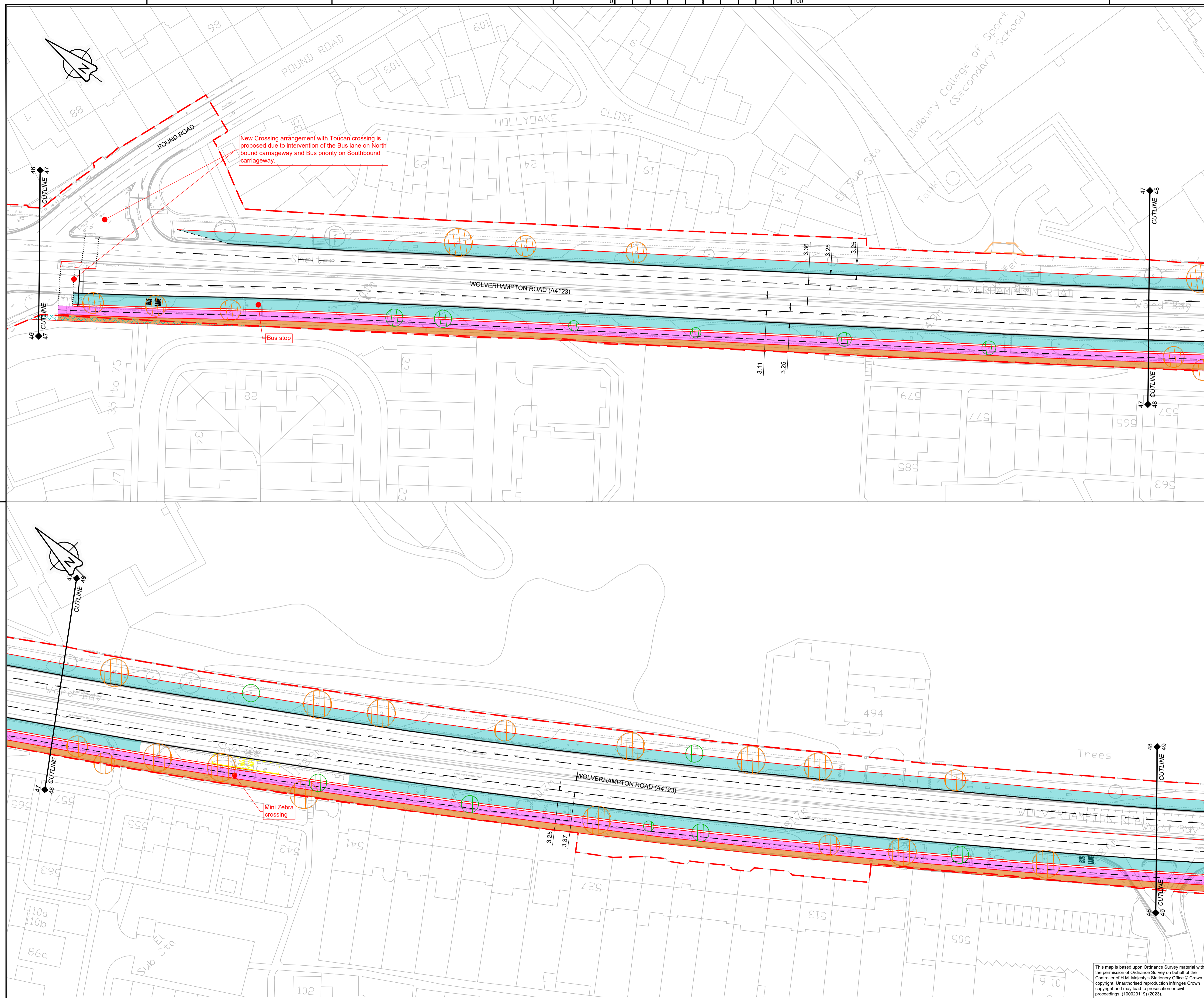
Drawing Title  
**Option C: Comprehensive Bus Priority**  
Sheet 24 of 29

Project Ref. No: COMHA1CWC018	Scale: 1:500 @ A1
Stage: Preliminary Design	Dimensions: m

Drawing Number	Project Number	Originator	Volume
COMHA1CWC018 - AMY - HGN	A4123	-DR-CH-	010083
	Location	Type   Role	Number

Suitability	Suitability Description	Revision
S2	Suitable For Information	P01.01

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### RESIDUAL DESIGN HAZARDS

(The following information has been collected from Preconstruction Information and the Amey CDM Hazard Management Process.)

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NOTE:  
Residual hazards identified in designs by others not shown on this set of drawings.

- NOTES:
- Drawings are to be printed in full colour.
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  - The location of bus lanes is based on historic traffic information and where there is adequate highway width. The final design is subject to the results of traffic modelling information.
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  - The junction types of cross roads will be assessed in the next stage of the scheme.
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- KEY:
- Red Line Boundary
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  - Cycleway 3.0m / Existing Cycle Facility
  - Cycleway 2.5m
  - Proposed shared use footway/cycleway
  - Proposed Buffer 1.0 m max
  - Proposed Homezone (Low Speed)
  - Proposed new Kerb
  - Sections of route completed or designed by Sandwell MBC/others under separate AFT funded contract
  - Review 3rd party landtake option (Sheets 20, 22, 24, 25, 27 & 29)
  - Proposed bus lane
  - Areas outside of Red Line Boundary Plan where active travel improvement works are anticipated based on initial SOBC study. Subject to change based on development of the design
  - Areas of significant proposed developer works

- Proposed mature tree to be removed
- Proposed medium diameter tree to be removed
- Proposed small diameter/staked tree to be removed
- Existing WWII memorial tree to remain
- Proposed alteration to side road priority

Revision	Revision comment	Date
P01.01	For Information Only	
	Drawn: RC	Date: 05/09/2023
	Checked: LM	Date: 11/09/2023
	Approved: SC	Date: 12/09/2023
Designed: VR	Date: 05/09/2023	
Drawn: RC	Date: 05/09/2023	
Checked: LM	Date: 11/09/2023	
Approved: SC	Date: 12/09/2023	

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Working on behalf of:

CITY OF WOLVERHAMPTON COUNCIL

Dudley part of bct Black Country Transport

Sandwell Metropolitan Borough Council

Project Name  
**A4123 Transport Study & OBC**

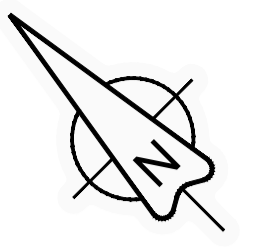
Drawing Title  
**Option C: Comprehensive Bus Priority**  
Sheet 25 of 29

Project Ref. No: COMHA1CWC018 | Scale: 1:500 @ A1  
Stage: Preliminary Design | Dimensions: m

Drawing Number  
Project Number | Originator | Volume  
**COMHA1CWC018 - AMY - HGN**  
A4123 -DR-CH-010084  
Location | Type | Role | Number

Suitability	Suitability Description	Revision
S2	Suitable For Information	P01.01

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**RESIDUAL DESIGN HAZARDS**  
 (The following information has been collected from Preconstruction Information and the Amey CDM Hazard Management Process.)  
 1. Hazards identified on site walkover.  
 NOTE:  
 Residual hazards identified in designs by others not shown on this set of drawings.

**NOTES:**  
 1. Drawings are to be printed in full colour.  
 2. All dimensions are in metres unless stated otherwise.  
 3. The location of bus lanes is based on historic traffic information and where there is adequate highway width. The final design is subject to the results of traffic modelling information.  
 4. The lane markings shown in the drawings are indicative only. Detailed road markings will be designed in the upcoming stages.  
 5. The junction types of cross roads will be assessed in the next stage of the scheme.  
 6. All the bus stops along the corridor will have RTPI and CCTV installed.  
 7. Final design interface between cycle route and minor junctions to be completed following stakeholder comments.  
 8. Design based on topo-survey data, therefore some discrepancies with OS Map at tie-ins may occur.

**KEY:**

- Red Line Boundary
- Proposed pedestrian footway 1.8 - 2.0m. Also to include other areas as shown.
- Cycleway 3.0m / Existing Cycle Facility
- Cycleway 2.5m
- Proposed shared use footway/cycleway
- Proposed Buffer 1.0 m max
- Proposed Homezone (Low Speed)
- Proposed new Kerb
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- Review 3rd party landtake option (Sheets 20, 22, 24, 25, 27 & 29)
- Proposed bus lane
- Areas outside of Red Line Boundary Plan where active travel improvement works are anticipated based on initial SOBC study. Subject to change based on development of the design
- Areas of significant proposed developer works

- Proposed mature tree to be removed
- Proposed medium diameter tree to be removed
- Proposed small diameter/staked tree to be removed
- Existing WWII memorial tree to remain
- Proposed alteration to side road priority

Revision	Revision comment	Date:
P01.01	For Information Only	05/09/2023
	Drawn: RC	11/09/2023
	Checked: LM	
	Approved:	
Designed: VR	Date:	05/09/2023
Drawn: RC	Date:	05/09/2023
Checked: LM	Date:	11/09/2023
Approved:	Date:	

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Working on behalf of:

Project Name  
**A4123 Transport Study & OBC**

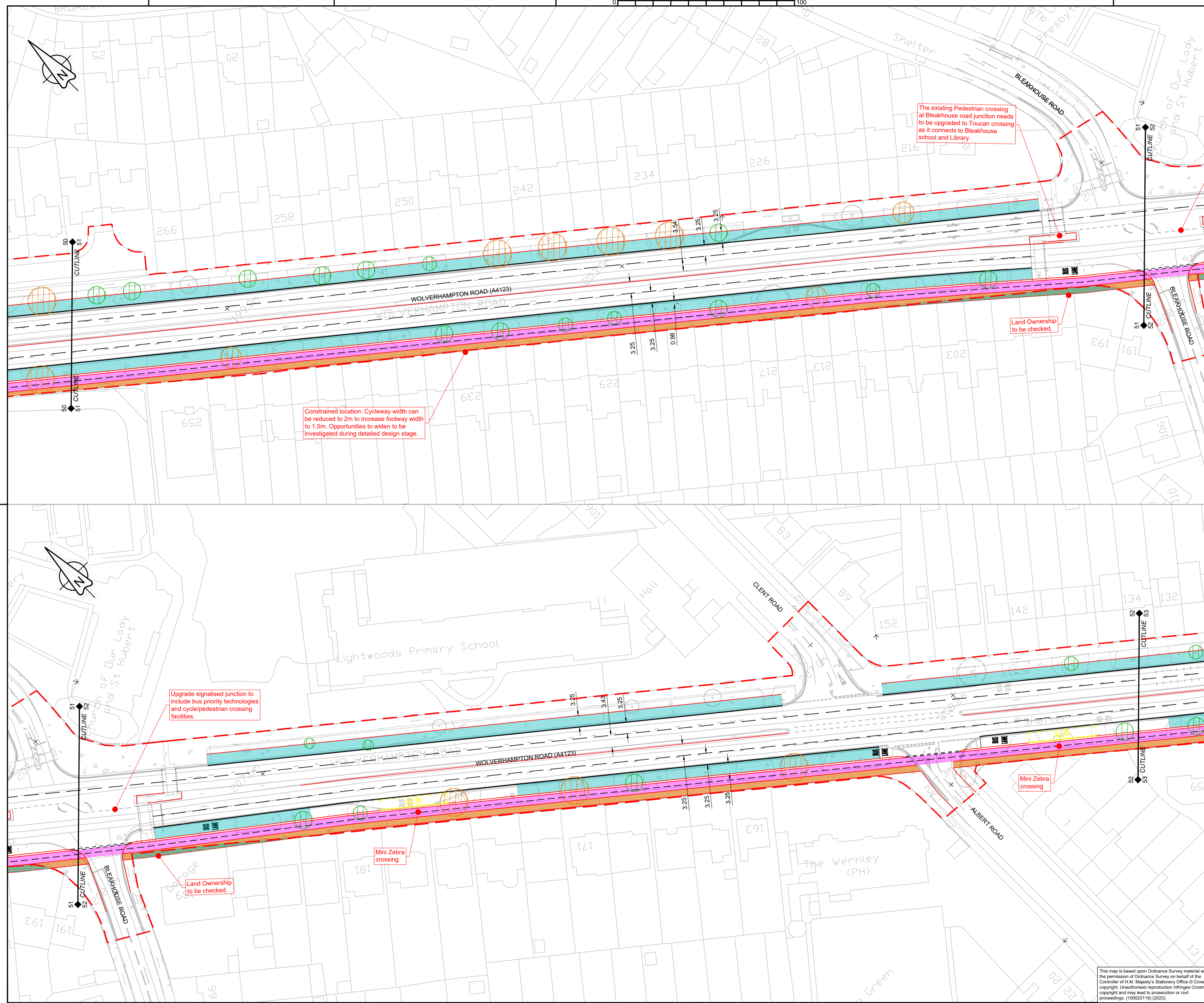
Drawing Title  
**Option C: Comprehensive Bus Priority**  
**Sheet 26 of 29**

Project Ref. No: COMHA1CWC018	Scale: 1:500 @ A1
Stage: Preliminary Design	Dimensions: m

Drawing Number	Project Number	Originator	Volume
COMHA1CWC018 - AMY - HGN	A4123	-DR-CH-	010085
Location	Type	Role	Number

Suitability	Suitability Description	Revision
S2	Suitable For Information	P01.01

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**RESIDUAL DESIGN HAZARDS**  
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Revision	Revision comment	Date
P01.01	For Information Only	
	Drawn: RC	05/09/2023
	Checked: LM	11/09/2023
	Approved:	
	Designed: VR	05/09/2023
	Drawn: RC	05/09/2023
	Checked: LM	11/09/2023
	Approved:	

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Working on behalf of:

Project Name  
**A4123 Transport Study & OBC**

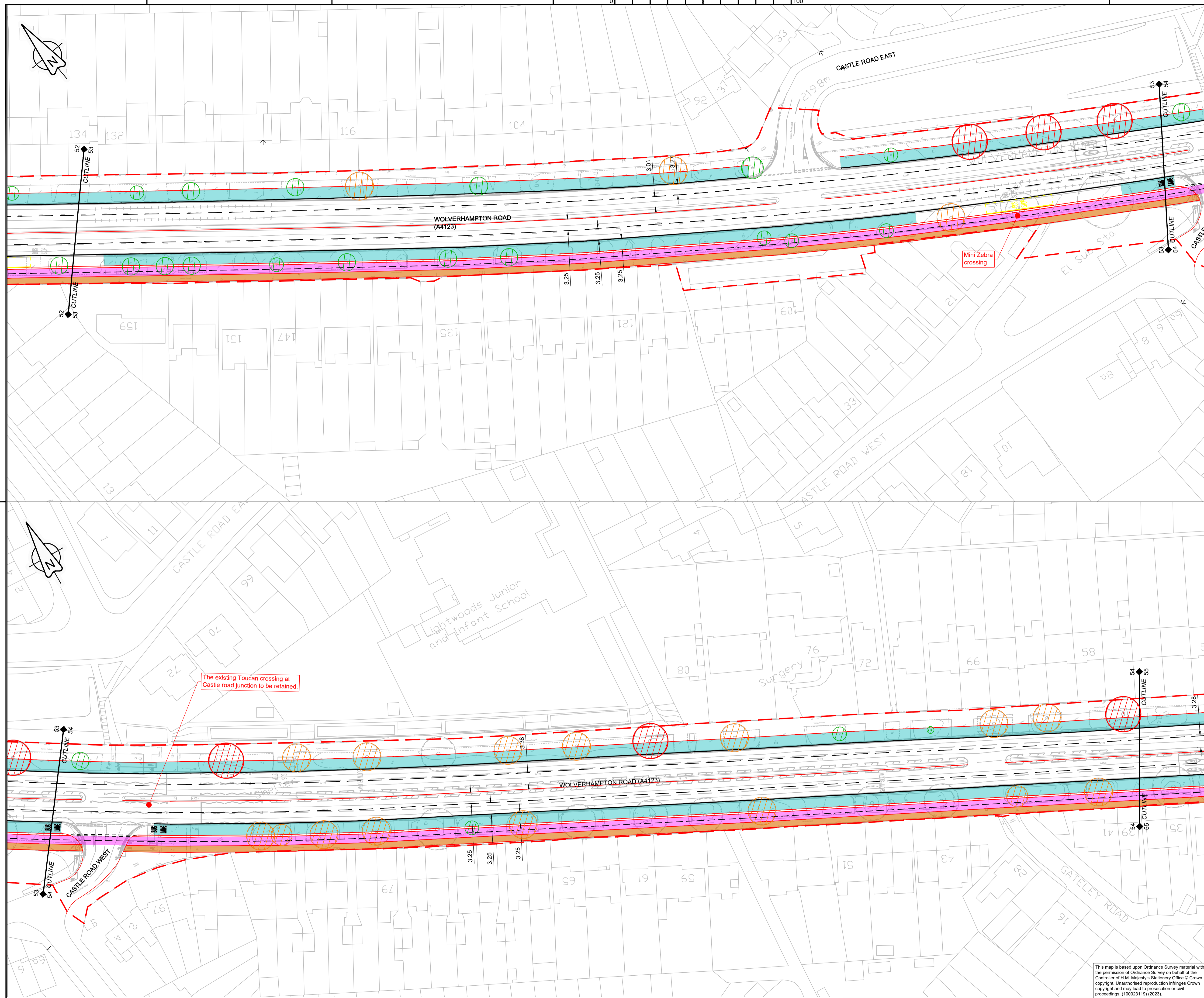
Drawing Title  
**Option C: Comprehensive Bus Priority**  
**Sheet 27 of 29**

Project Ref. No: COMHA1CWC018 | Scale: 1:500 @ A1  
 Stage: Preliminary Design | Dimensions: m

Drawing Number  
 Project Number | Originator | Volume  
**COMHA1CWC018 - AMY - HGN**  
**A4123 -DR- C - 010086**  
 Location | Type | Role | Number

Suitability	Suitability Description	Revision
S2	Suitable For Information	P01.01

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**RESIDUAL DESIGN HAZARDS**

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Revision	Revision comment	Date
P01.01	For Information Only	
	Drawn: RC	05/09/2023
	Checked: LM	11/09/2023
	Approved:	
Designed: VR	Date:	05/09/2023
Drawn: RC	Date:	05/09/2023
Checked: LM	Date:	11/09/2023
Approved:	Date:	

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Working on behalf of:

CITY OF WOLVERHAMPTON COUNCIL

Dudley part of bct Black Country Transport

Sandwell

Project Name  
**A4123 Transport Study & OBC**

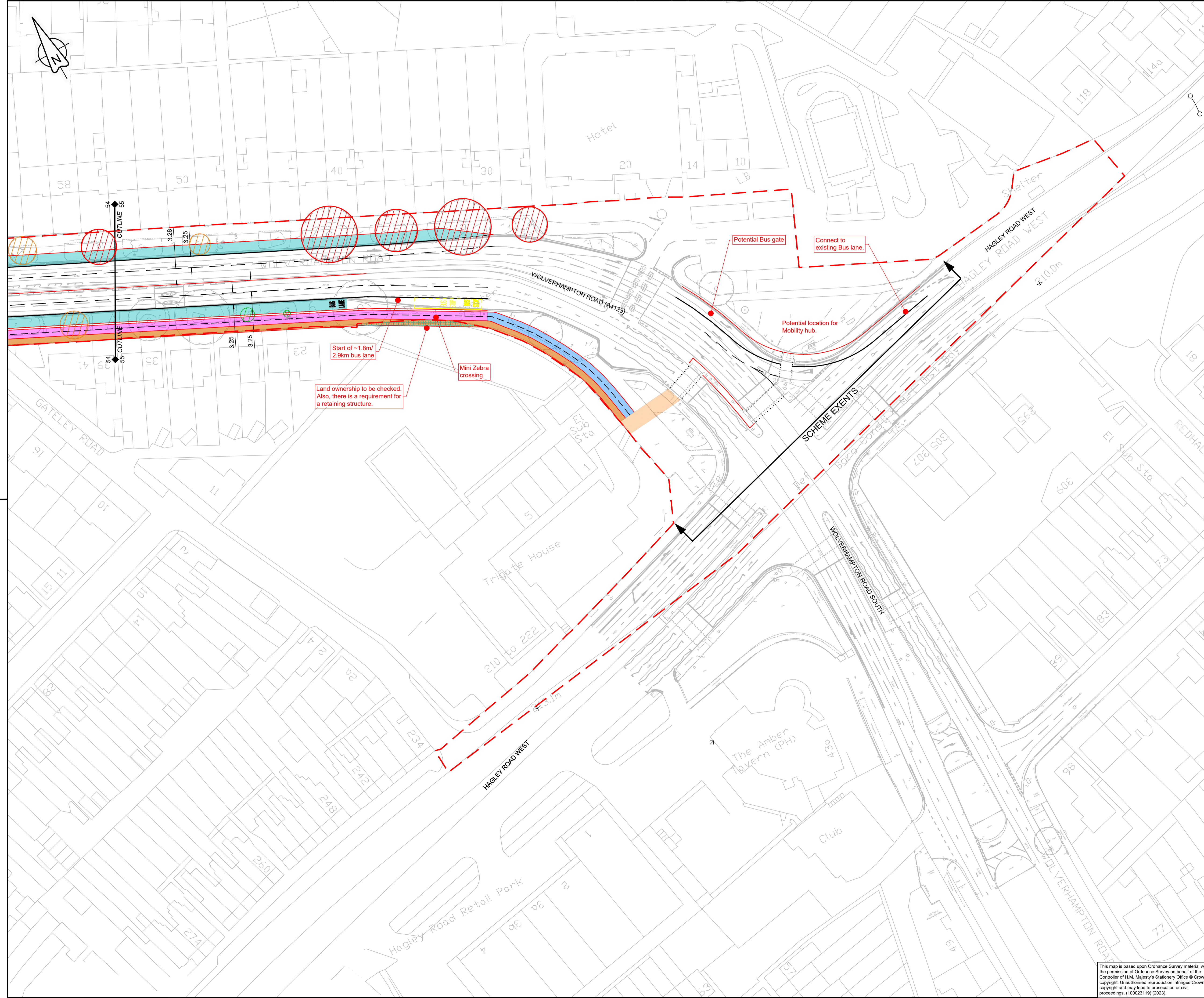
Drawing Title  
**Option C: Comprehensive Bus Priority**  
 Sheet 28 of 29

Project Ref. No: COMHA1CWC018 Scale: 1:500 @ A1  
 Stage: Preliminary Design Dimensions: m

Drawing Number  
 Project Number | Originator | Volume  
**COMHA1CWC018 - AMY - HGN**  
 A4123 -DR-CH-010087  
 Location | Type | Role | Number

Suitability	Suitability Description	Revision
S2	Suitable For Information	P01.01

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Revision	Revision comment	Date:
P01.01	For Information Only	05/09/2023
	Drawn: RC	11/09/2023
	Checked: LM	
	Approved:	
Designed: VR	Date:	05/09/2023
Drawn: RC	Date:	05/09/2023
Checked: LM	Date:	11/09/2023
Approved:	Date:	

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Working on behalf of:

Project Name  
**A4123 Transport Study & OBC**

Drawing Title  
**Option C: Comprehensive Bus Priority**  
Sheet 29 of 29

Project Ref. No: COMHA1CWC018 | Scale: 1:500 @ A1  
Stage: Preliminary Design | Dimensions: m

Drawing Number  
Project Number | Originator | Volume  
**COMHA1CWC018 - AMY - HGN**  
A4123 -DR-CH-010088  
Location | Type | Role | Number

Suitability	Suitability Description	Revision
S2	Suitable For Information	P01.01

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