



Working in Partnership With:



Riverside & Station Quarter

Temporary Traffic Management Design

Old Arden Brickworks
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Document Control

Issue	Date	Comments	Issued By	Checked By
1	06/02/2024	First Issue	MO	CM
2	20/02/2024	Second Issue	MO	CM

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1.0: Introduction

Traffic have been tasked with providing traffic management design services as part of the Riverside & Station Quarter tender package, at this stage all designs are indicative and are subject to change.

The design works undertaken have been based on the following brief:

- Minimal impact to Train Station daily operation
- Access to business is to be always maintained.
- Pedestrian routes must be kept open where possible.

The design works have all been undertaken in accordance with the Traffic Signs Manual (Chapter 8), Traffic Signs Regulations and General Directions and the New Roads and Street Works Act 1991 and have been checked and approved by members of the design team who hold their Professional Diploma in Temporary Traffic Management Engineering through the Institute of Highway Engineers.

1.1: Assumptions/Qualifications

The following assumptions\Qualifications have been made throughout the design process:

- No traffic counts have been undertaken.
- The effect the chosen traffic management has on the network with regards to saturation flow rates etc has not been calculated.
- Where road closures have been allowed for the contractor to determine closure point detail/arrangement (i.e air lock/gatemen etc).
- Overhead power lines have been identified where possible; however, it is the contractor's responsibility to check each site for power lines or any other potential hazard.
- The design of the site/compound access is to be undertaken by others. No work has been undertaken as part of this package to ensure to viability of the proposed accesses.
- Site length refers to the overall extent of the works, not the length of the traffic management.
- If no bus stops are visible on the road, it has been assumed that the effected road is not a bus route, however, buses may still use the road as part of a longer route.
- Works have been produced via desktop survey only at this stage.
- Design No **TFX SA9863 302**, One Way Road closure to the Southern directional flow of A528 Chester Street, is not suitable for weekday use and is intended for work avoiding these times.
- Footway works outside frontages will be completed "half & half" with access arrangements to be confirmed with each business. Access must be always allowed throughout the business hours of each frontage or for residential access, access must always be provided.
- Consideration has been paid requirements for train replacement buses, in these situations TTM will be revisited to evaluate reductions in footprint and potential areas to assist in passenger movements.
- Sensitive dates have been taken into consideration with the ability to reopen carriageway space built into the TTM design, however this is for use only as & when required to assist the local area network cope with an increase in road users.
- Vulnerable users have been considered with the use of pedestrian marshals to be implemented to assist with the visual impaired and safe navigation.

1.2: Recommendations

After reviewing the designs and the brief, Traffix would make the following recommendations:

- Where temporary lights are in use, it is advised that operatives remain on site to ensure peak flows are managed.
- Wider route signage and the inclusion of PVMS (Portable Variable Message Signs) should be considered to encourage the travelling public to avoid the area where possible.

Appendix A:

Drawing Register

Drawing Register		Date of Issue	
Client:	McPhillips	Day	19 20
Project:	Riverside & Station Quarter	Month	10 2
Job Number:	TFX SA9863	Year	2023 2024
Drawing Number	Drawing Name	Size	Revision
TFX SA9863 101	Zone 1a - Castle Gates, Shrewsbury, Footway Closure	A2	- -
TFX SA9863 102	Zone 1b - Castle Gates, Shrewsbury, Footway Closure & Three Way Lights	A2	- -
TFX SA9863 103	Zone 1c - Castle Gates, Shrewsbury, Footway Closure	A2	- -
TFX SA9863 201	Zone 2a - Castle Gates, Shrewsbury, Footway Closure & Three Way Lights	A2	- -
TFX SA9863 202	Zone 2b - Castle Gates, Shrewsbury, Footway Closure	A2	- -
TFX SA9863 203	Zone 2c - Castle Gates, Shrewsbury, Footway Closure	A2	- -
TFX SA9863 301	Zone 5 & 2 - Castle Gates, Shrewsbury, Footway Closure with Lane Closures	A2	- -
TFX SA9863 302	Zone 5 & 2 - Castle Gates, Shrewsbury, Footway Closure with Lane Closures	A2	- -
TFX SA9863 401	Zone 6 & 2 - Castle Gates, Shrewsbury, Footway Closure with Lane Closures	A1	- -
TFX SA9863 501	Zone 7 & 3 - Castle Gates, Shrewsbury, Footway Closure with Lane Closures	A1	- -
TFX SA9863 502	Zone 7 & 3 - Castle Gates, Shrewsbury, Footway Closure with Lane Closures	A1	- -
TFX SA9863 601	Zone 8 & 3 - Castle Gates, Shrewsbury, Footway Closure with Lane Closures	A1	- -
TFX SA9863 701	Zone 4b - Castle Gates, Shrewsbury, Two Way Lights	A2	- -
TFX SA9863 702	Zone 4a - Castle Gates, Shrewsbury, Two Way Lights	A2	- -
TFX SA9863 801	Castle Gates, Shrewsbury, Road Closure	A0	X -
TFX SA9863 802	Castle Gates, Shrewsbury, Road Closure	A0	X -
TFX SA9863 803	Castle Gates, Shrewsbury, Road Closure	A0	X -
TFX SA9863 804	Castle Gates, Shrewsbury, Road Closure	A0	X -
TFX SA9863 WRS01	Castle Gates, Shrewsbury, Wider Route Signage	A0	X -

DRAWING STATUS (see legend below) F F

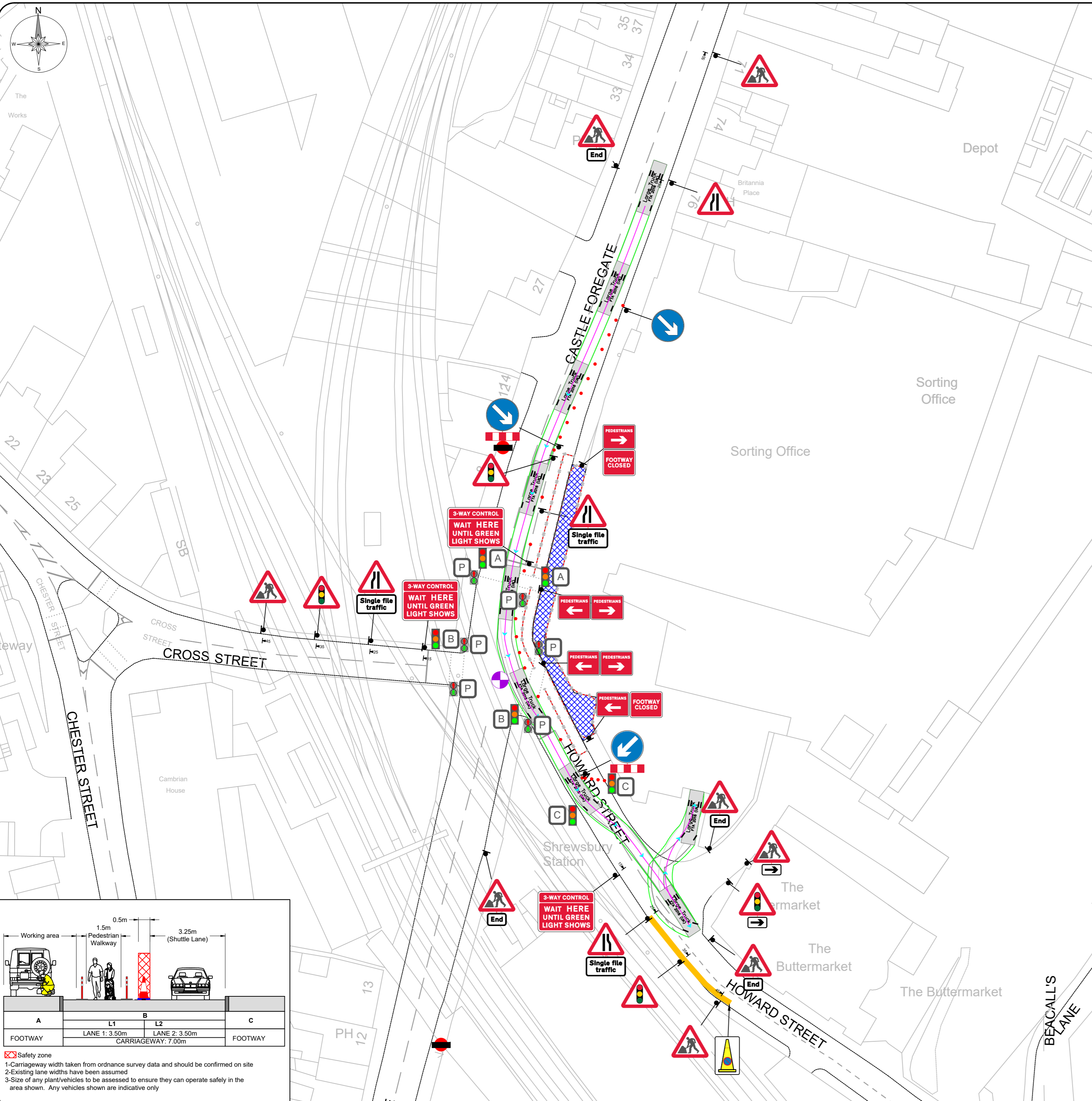
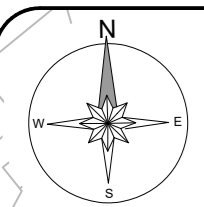
D=Draft | F=For Approval | P=Preliminary | PL=Planning | AF=As Fitted

Name	Organisation	Number of Copies Issued	
Simon Ashley	Traffix	1	1



Appendix B:

Drawings



Desktop survey undertaken from google street view with imagery dated: December 2022

All traffic management shall comply with all current legislation and guidance including Chapter 8, Safety at Street Works and Road Works (A Code of Practice).

Pedestrian management to be installed and managed to suit site conditions in accordance with current legislation & codes of practice by the contractor unless otherwise stated.

All signage and road markings shall conform with the Traffic Signs Regulations and General Directions (TSRGD).

Sign locations are indicative only, exact location to be determined on site.

Suitably qualified operative to assess site to ensure the installation complies with all current legislation. Any issues and/or changes from the original design should be immediately reported to the relevant contracts manager/designer.

This design is only valid for 12months from date of production and should be re-evaluated if installation is to take place after this period.

Size of signage:

Signage Size	30	40	50 or more
600mm			
750mm			
900mm			

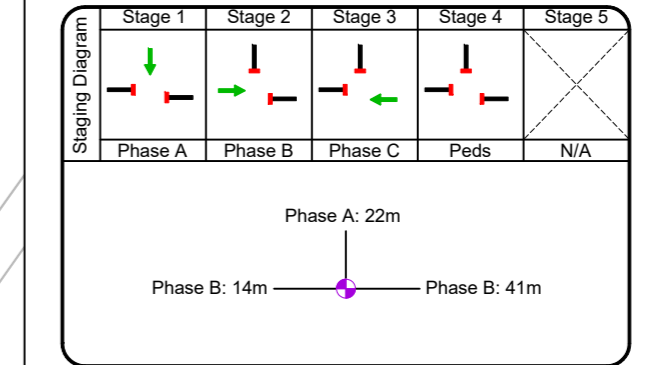
Shuttle Lane information:

	Standard: Normal traffic inc buses and HGVs	Restricted: Cars and light vehicles only
Two-way working	6.75m minimum	5.5m minimum
Shuttle working	3.25-3.50m desirable 3.0m absolute min	3.25m desirable 2.5m absolute min

Vehicle Actuated (VA) Temporary Traffic Light Phase Timings

Phase	Red Time	Green Time
A	10 seconds.	35 seconds.
B	10 seconds.	35 seconds.
C	10 seconds.	35 seconds.
P	10 seconds.	10 seconds.

Timings may be adjusted on site to suit traffic flow/conditions if required by a suitably qualified operative



SIGN SCHEDULE

Qty: 2 Ref: 13.9 Schedule 13.9: Temporary Information	FOOTWAY CLOSED
Qty: 1 Ref: 517 Road narrows on one side only ahead - left	
Qty: 1 Ref: 517 Road narrows on one side only ahead - right	
Qty: 3 Ref: 518 Single file traffic	Single file traffic
Qty: 4 Ref: 543 Traffic signals ahead	
Qty: 2 Ref: 573 Direction to hazard right	
Qty: 2 Ref: 610 Keep right	
Qty: 1 Ref: 610 Keep left	
Qty: 4 Ref: 645 End panel	End
Qty: 8 Ref: 701 Road works ahead	
Qty: 3 Ref: 701.1 3 Way Control - Wait here until green light shows	3-WAY CONTROL WAIT HERE UNTIL GREEN LIGHT SHOWS
Qty: 3 Ref: 7018 Pedestrian diversion Right	PEDESTRIANS
Qty: 3 Ref: 7018 Pedestrian diversion Left	PEDESTRIANS
Qty: 2 Ref: 7105 Lane closure barrier	

A set of stop & go boards are to be taken to site in case of traffic light failure.

Parked vehicles/parking bays are present and could interfere with the works. No parking cones are to be installed prior to works commencing with appropriate signage if required.

Key:

	Works Area		Temporary Traffic Signal
	Closure		Stop & Go Board
	Vehicular Diversion Route		Temporary Ped Signal
	Ped Diversion Route		Existing Bus Stop
	Cone		Temporary Sign
	Datum Point		Pedestrian Barrier

Safety information:

Min width of sideways safety zone (S)	0.5m
Min length of longways clearance (L)	0.5m
Castle Foregate	30
Cheshire Street	30
Castle Gate	30
Smithfield Road	30

Site information:

NSG	Castle Foregate, Shrewsbury
Local Authority	Shropshire CC
USRN	34700205
Road Type	Single lane carriageway
Road Width	7.00m
Works Location	X:349420 Y:313008
Surveyed	X Bus Stop(s) X Parked Vehicles
Perm Signals	Controlled Crossing Cycle Lanes

Chapter 8 details:

Detail B (B)

Single/Dual carriageway 40mph or less-450mm traffic cones. Single/Dual carriageway 50mph or more-750mm traffic cones. Dual carriageway national speed limit - 750mm traffic cones. relaxation 3m.

Notes:
1) During darkness, warning lights to BS EN 12352:2006 should be provided in accordance with Table A1.3 (Appendix 1).
2) 45° tapers have 1.2m spacing, no relaxations.
3) On motorways and NSL AP duals with hard shoulders, 1m cones will be required for both standard and relaxation works for lead tapers and the facing wall of lane changes.

Detail C1 (C1)

Single/Dual carriageway 40mph or less - 450mm traffic cones. Single/Dual carriageway 50mph or more - 750mm traffic cones.

Notes:
1) During darkness, warning lights to BS EN 12352:2006 should be provided in accordance with Table A1.3 (Appendix 1).
2) For relaxation to Detail C1 see Table A1.3 (Appendix 1).

Detail C2 (C2)

Single carriageway 40mph or less - 450mm traffic cones. Single/Dual carriageway 50mph or more - 750mm traffic cones.

Notes:
1) During darkness, warning lights to BS EN 12352:2006 should be provided in accordance with Table A1.3.

Rev	Date	Comments	By	Chk

McPHILLIPS

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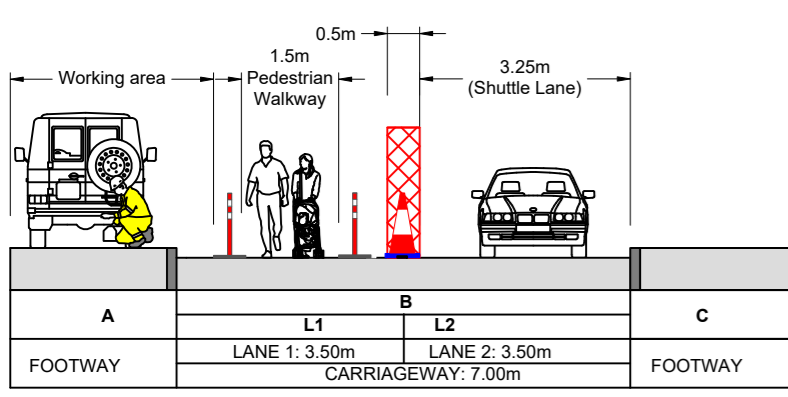
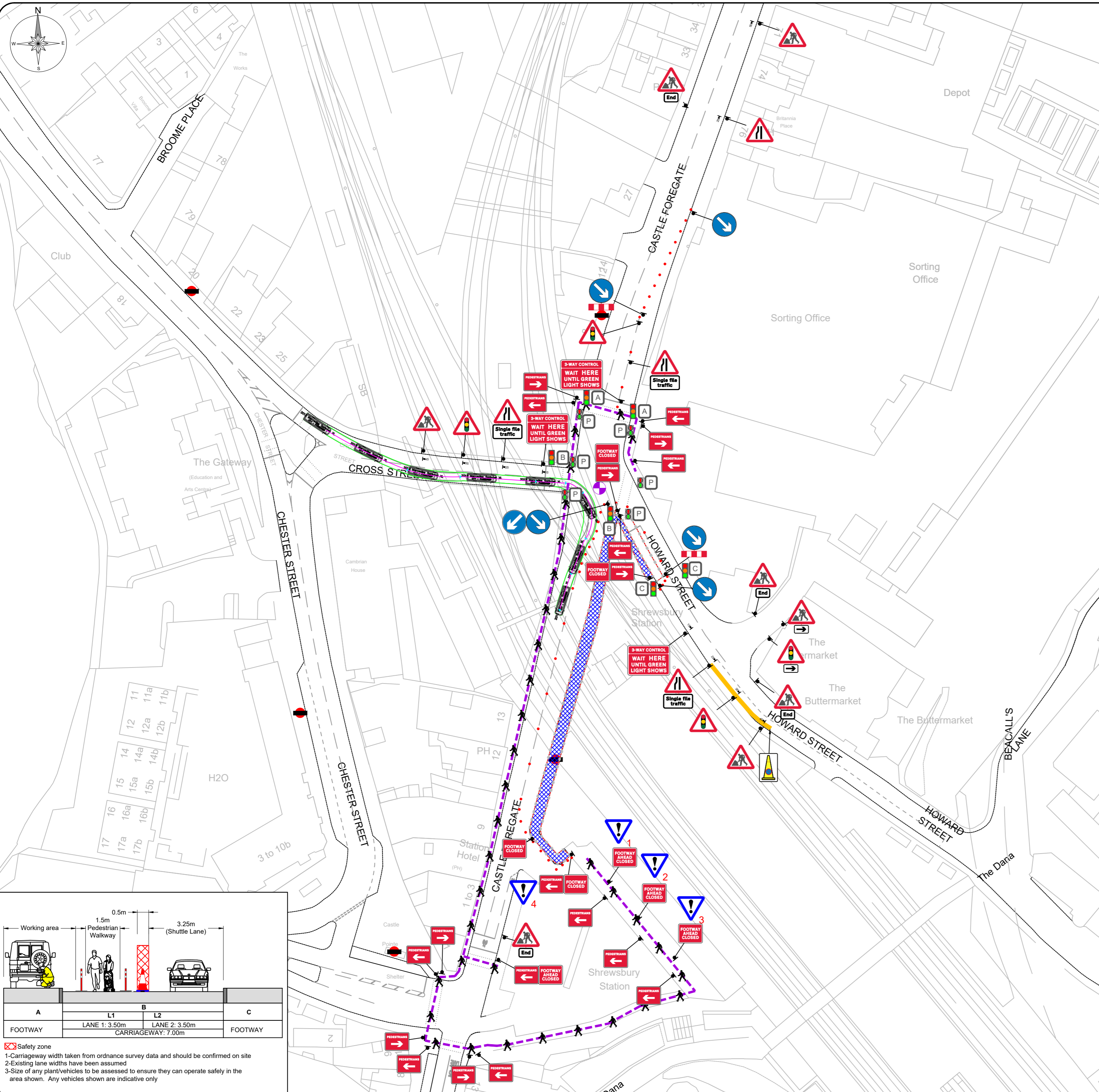
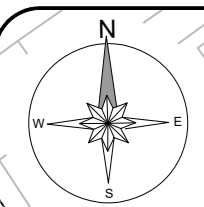
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Project title:
Riverside & Station Quarter
Traffic Management: Zone 1a

Drawing title:
Proposed Footway Closure & Three Way Lights
Castle Foregate
Shrewsbury
SY1 2AT

Date: 18/10/2023	Scale: 1:500	Paper: A2
Drawn: MO	Checked: BN	Approved: SA
Project Number: TFX SA9863	Drawing Number: 101	Revision: -

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The Contractor is to report all discrepancies & errors to the Contract Manager prior to works commencing.



A		B		C	
FOOTWAY		LANE 1: 3.50m	LANE 2: 3.50m	FOOTWAY	
CARRIAGEWAY: 7.00m					

- 1- Carriageway width taken from ordnance survey data and should be confirmed on site
- 2- Existing lane widths have been assumed
- 3- Size of any plant/vehicles to be assessed to ensure they can operate safely in the area shown. Any vehicles shown are indicative only

Desktop survey undertaken from google street view with imagery dated: December 2022

All traffic management shall comply with all current legislation and guidance including Chapter 8, Safety at Street Works and Road Works (A Code of Practice).

Pedestrian management to be installed and managed to suit site conditions in accordance with current legislation & codes of practice by the contractor unless otherwise stated.

All signage and road markings shall conform with the Traffic Signs Regulations and General Directions (TSRGD).

Sign locations are indicative only, exact location to be determined on site.

Suitably qualified operative to assess site to ensure the installation complies with all current legislation. Any issues and/or changes from the original design should be immediately reported to the relevant contracts manager/designer.

This design is only valid for 12months from date of production and should be re-evaluated if installation is to take place after this period.

Size of signage:
Single carriageway permanent speed limit as shown below or less)

30	40	50 or more
600mm	750mm	900mm

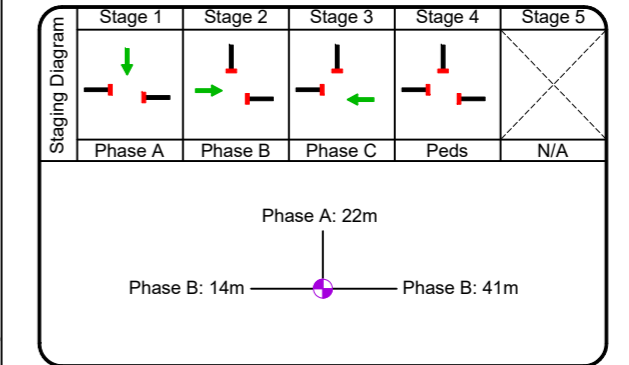
Shuttle Lane information:

	Standard: Normal traffic inc buses and HGVs	Restricted: Cars and light vehicles only
Two-way working	6.75m minimum	5.5m minimum
Shuttle working	3.25-3.50m desirable 3.0m absolute min	3.25m desirable 2.5m absolute min

Vehicle Actuated (VA) Temporary Traffic Light Phase Timings

Phase	Red Time	Green Time
A	10 seconds.	35 seconds.
B	10 seconds.	35 seconds.
C	10 seconds.	35 seconds.
P	10 seconds.	10 seconds.

Timings may be adjusted on site to suit traffic flow/conditions if required by a suitably qualified operative



SIGN SCHEDULE

Qty: 4 Ref: 13.9 Schedule 13.9 - Temporary Information	
Qty: 4 Ref: 13.9 Schedule 13.9 - Temporary Information	
Qty: 4 Ref: 517 Road narrows on one side only ahead - left	
Qty: 3 Ref: 518 Single file traffic	
Qty: 4 Ref: 543 Traffic signals ahead	
Qty: 2 Ref: 573 Direction to hazard right	
Qty: 3 Ref: 610 Keep right	
Qty: 1 Ref: 610 Keep left	
Qty: 4 Ref: 645 End panel	
Qty: 8 Ref: 701 Road works ahead	
Qty: 3 Ref: 701.1 3 Way Control - Wait here until green light shows	
Qty: 12 Ref: 7018 Pedestrian diversion Left	
Qty: 7 Ref: 7018 Pedestrian diversion Right	
Qty: 2 Ref: 7105 Light obscure barrier	

A set of stop & go boards are to be taken to site in case of traffic light failure.
Parked vehicles/parking bays are present and could interfere with the works. No parking cones are to be installed prior to works commencing with appropriate signage if required.

- Signage to be installed by entry way to "Customer lift to Platform 3"
- Signage to be installed by entry way to Shrewsbury Station
- Signage to be installed by entry way to "Platform 3"
- Signage to be installed without blocking access to/from British Transport Police office & allocated parking.

Key:

	Works Area		Temporary Traffic Signal
	Closure		Stop & Go Board
	Vehicular Diversion Route		Temporary Ped Signal
	Ped Diversion Route		Existing Bus Stop
	Cone		Temporary Sign
	Datum Point		Pedestrian Barrier

Safety information:

Min width of sideways safety zone (S)	0.5m
Min length of longways clearance (L)	0.5m
Castle Foregate	30
Cheshire Street	30
Castle Gate	30
Smithfield Road	30

Site information:

NSG	Castle Foregate, Shrewsbury
Local Authority	Shropshire CC
USRN	34700205
Road Type	Single lane carriageway
Road Width	7.00m
Worked Location	X:349420 Y:313008
Surveyed	<input checked="" type="checkbox"/> Bus Stop(s) <input checked="" type="checkbox"/> Parked Vehicles <input checked="" type="checkbox"/>
Perm Signals	<input checked="" type="checkbox"/> Controlled Crossing <input checked="" type="checkbox"/> Cycle Lanes <input checked="" type="checkbox"/>

- Chapter 8 details:**
- Detail B (B)**
Single/Dual carriageway 40mph or less-450mm traffic cones. Single/Dual carriageway 50mph or more-750mm traffic cones. Dual carriageway national speed limit - 750mm traffic cones. relaxation 3m.
- Notes:
1) During darkness, warning lights to BS EN 12352:2006 should be provided in accordance with Table A1.3 (Appendix 1).
2) 45° tapers have 1.2m spacing, no relaxations.
3) On motorways and NSL AP duals with hard shoulders, 1m cones will be required for both standard and relaxation works for lead tapers and the facing wall of lane changes.
- Detail C1 (C1)**
Single/Dual carriageway 40mph or less - 450mm traffic cones. Single/Dual carriageway 50mph or more - 750mm traffic cones.
- Notes:
1) During darkness, warning lights to BS EN 12352:2006 should be provided in accordance with Table A1.3 (Appendix 1).
2) For relaxation to Detail C1 see Table A1.3 (Appendix 1).
- Detail C2 (C2)**
Single carriageway 40mph or less - 450mm traffic cones. Single/Dual carriageway 50mph or more - 750mm traffic cones.
- Notes:
1) During darkness, warning lights to BS EN 12352:2006 should be provided in accordance with Table A1.3.

Rev	Date	Comments	By	Chk

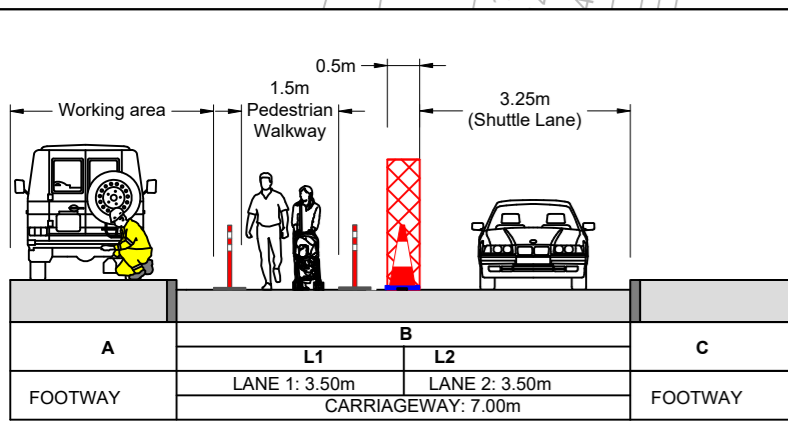
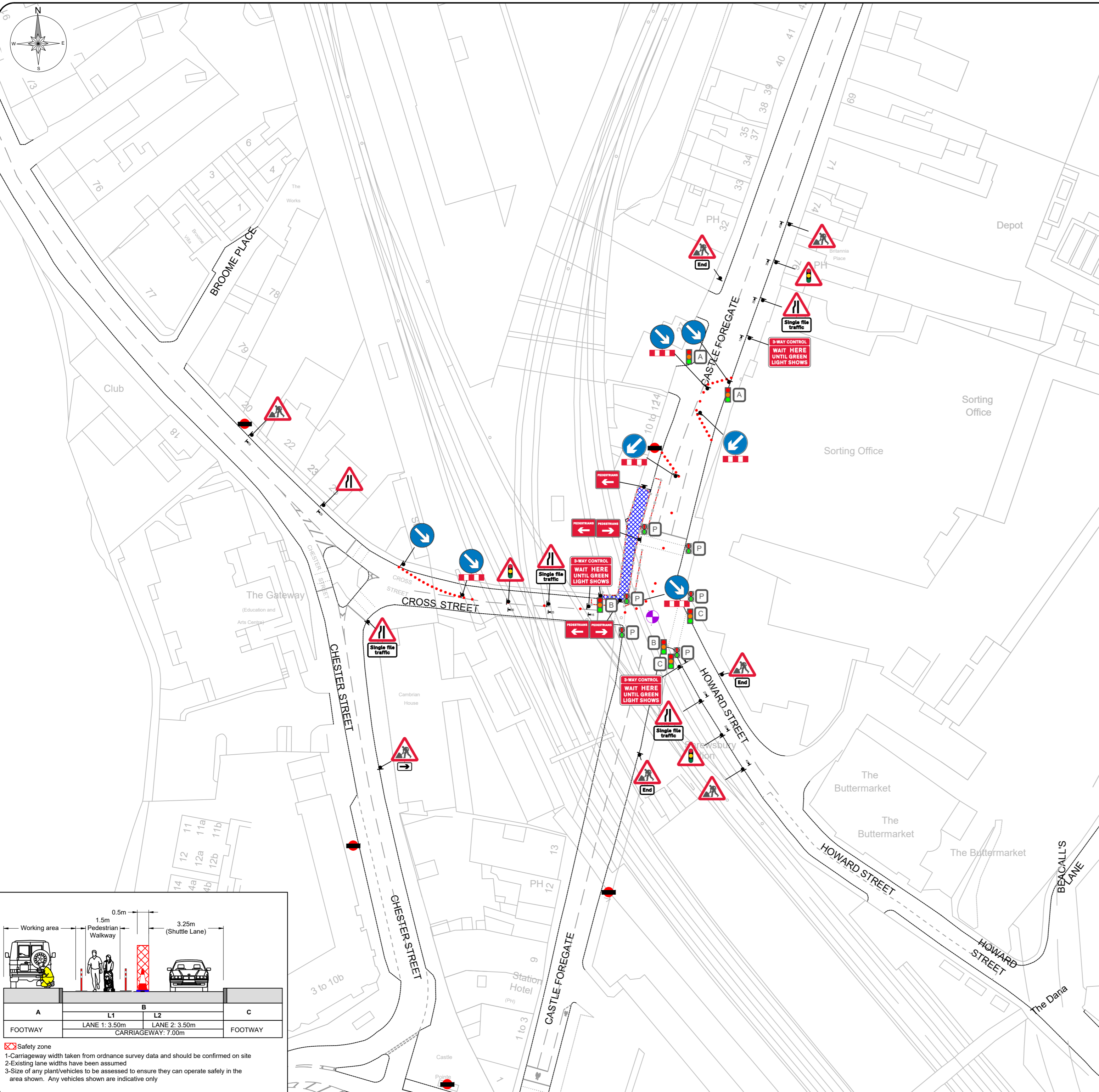
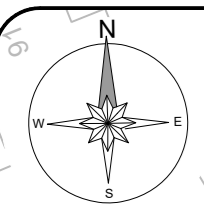
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Project title:
Riverside & Station Quarter
Traffic Management: Zone 1b

Drawing title:
Proposed Footway Closure & Three Way Lights
Castle Foregate
Shrewsbury
SY1 2AT

Date: 18/10/2023	Scale: 1:750	Paper: A2
Drawn: MO	Checked: BN	Approved: SA
Project Number: TFX SA9863	Drawing Number: 102	Revision: -

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1-1 Safety zone

1-Carriageway width taken from ordnance survey data and should be confirmed on site
 2-Existing lane widths have been assumed
 3-Size of any plant/vehicles to be assessed to ensure they can operate safely in the area shown. Any vehicles shown are indicative only

Desktop survey undertaken from google street view with imagery dated: December 2022

All traffic management shall comply with all current legislation and guidance including Chapter 8, Safety at Street Works and Road Works (A Code of Practice).

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Sign locations are indicative only, exact location to be determined on site.

Suitably qualified operative to assess site to ensure the installation complies with all current legislation. Any issues and/or changes from the original design should be immediately reported to the relevant contracts manager/designer.

This design is only valid for 12months from date of production and should be re-evaluated if installation is to take place after this period.

Size of signage:
Single carriageway permanent speed limit as shown below or less)

600mm	750mm	900mm
30	40	50 or more

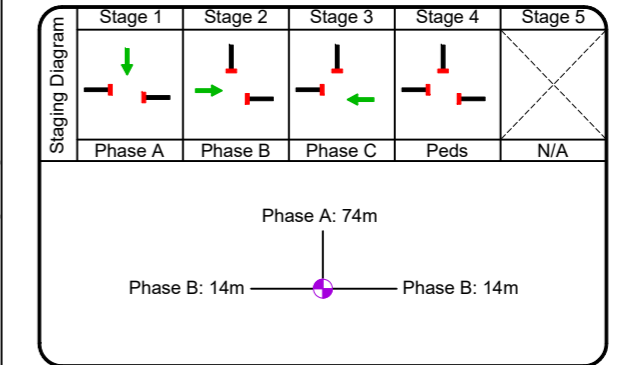
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Shuttle working	3.25-3.50m desirable 3.0m absolute min	3.25m desirable 2.5m absolute min

Vehicle Actuated (VA) Temporary Traffic Light Phase Timings

Phase	Red Time	Green Time
A	10 seconds.	40 seconds.
B	10 seconds.	40 seconds.
C	10 seconds.	40 seconds.
P	10 seconds.	10 seconds.

Timings may be adjusted on site to suit traffic flow/conditions if required by a suitably qualified operative



SIGN SCHEDULE

Qty: 5 Ref: 517 Road narrows on one side only ahead - left	
Qty: 4 Ref: 518 Single file traffic	
Qty: 3 Ref: 543 Traffic signals ahead	
Qty: 1 Ref: 573 Direction to hazard right	
Qty: 5 Ref: 610 Keep right	
Qty: 2 Ref: 610 Keep left	
Qty: 3 Ref: 645 End panel	
Qty: 7 Ref: 7001 Road works ahead	
Qty: 3 Ref: 7011.1 3 Way Control - Wait here until green light shows	
Qty: 3 Ref: 7018 Pedestrian diversion Left	
Qty: 3 Ref: 7018 Pedestrian diversion Right	
Qty: 5 Ref: 7105 Lane closure barrier	

Key:

	Works Area		Temporary Traffic Signal
	Closure		Stop & Go Board
	Vehicular Diversion Route		Temporary Ped Signal
	Ped Diversion Route		Existing Bus Stop
	Cone		Temporary Sign
	Datum Point		Pedestrian Barrier

Safety information:

Min width of sideways safety zone (S)	0.5m
Min length of longways clearance (L)	0.5m
Castle Foregate	30
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Local Authority	Shropshire CC
USRN	34700205
Road Type	Single lane carriageway
Road Width	7.00m
Works Location	X:349420 Y:313008
Surveyed	<input checked="" type="checkbox"/> Bus Stop(s) <input checked="" type="checkbox"/> Parked Vehicles <input checked="" type="checkbox"/>
Perm Signals	<input checked="" type="checkbox"/> Controlled Crossing <input checked="" type="checkbox"/> Cycle Lanes <input checked="" type="checkbox"/>

Chapter 8 details:

Detail B (B)

Single/Dual carriageway 40mph or less-450mm traffic cones.
 Single/Dual carriageway 50mph or more-750mm traffic cones.
 Dual carriageway national speed limit - 750mm traffic cones.
 relaxation 3m.

Notes:
 1) During darkness, warning lights to BS EN 12352:2006 should be provided in accordance with Table A1.3 (Appendix 1).
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Detail C1 (C1)

Single/Dual carriageway 40mph or less - 450mm traffic cones.
 Single/Dual carriageway 50mph or more - 750mm traffic cones.

Notes:
 1) During darkness, warning lights to BS EN 12352:2006 should be provided in accordance with Table A1.3 (Appendix 1).
 2) For relaxation to Detail C1 see Table A1.3 (Appendix 1).

Detail C2 (C2)

Single carriageway 40mph or less - 450mm traffic cones.
 Single/Dual carriageway 50mph or more - 750mm traffic cones.

Notes:
 1) During darkness, warning lights to BS EN 12352:2006 should be provided in accordance with Table A1.3.

Rev	Date	Comments	By	Chk

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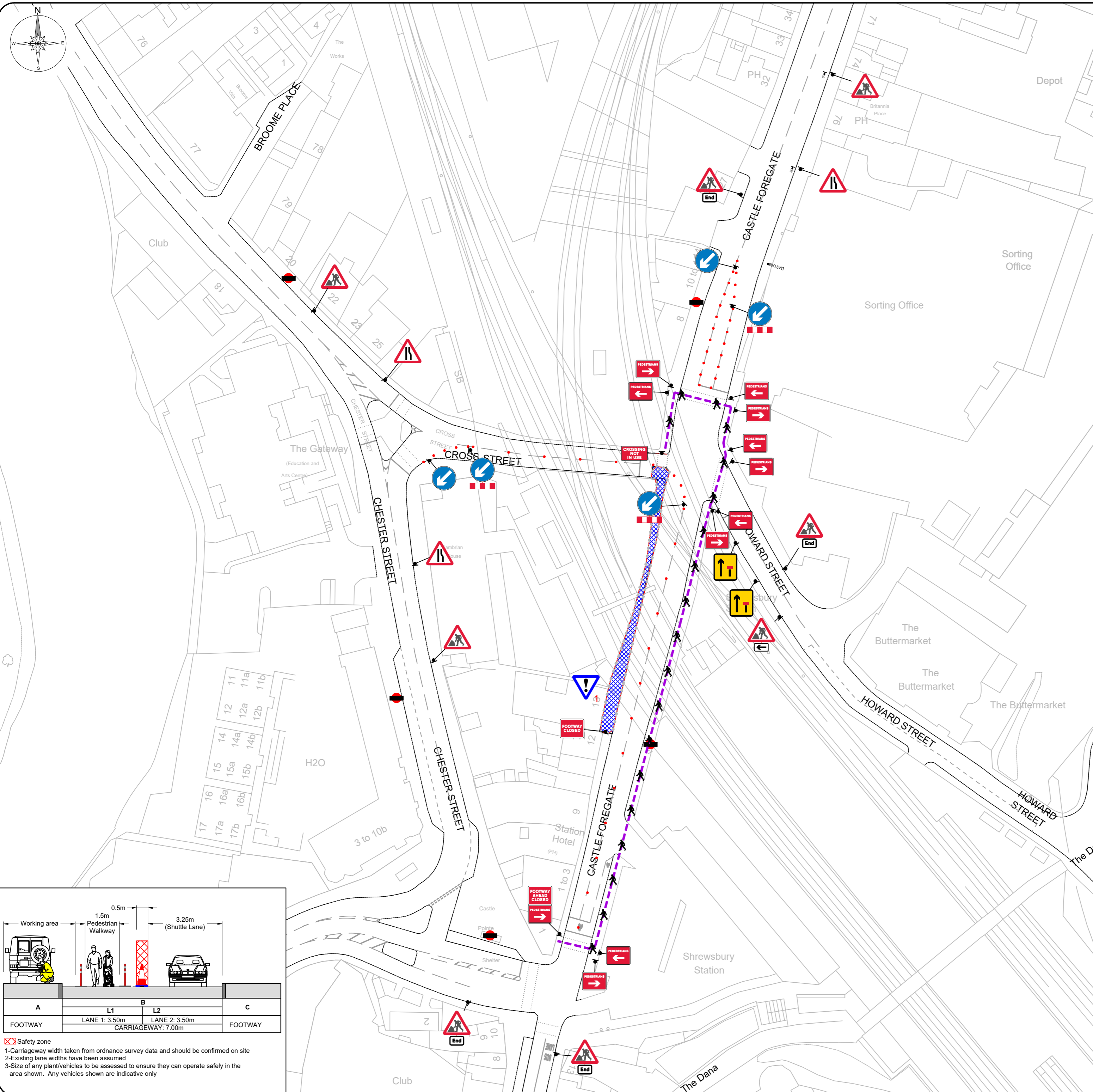
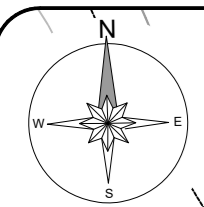
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 info@traffixuk.com | www.traffixuk.com

Project title:
Riverside & Station Quarter
Traffic Management: Zone 2a

Drawing title:
Proposed Footway Closure & Three Way Lights
Castle Foregate
Shrewsbury
SY1 2AT

Date: 19/10/2023	Scale: 1:750	Paper: A2
Drawn: MO	Checked: BN	Approved: SA
Project Number: TFX SA9863	Drawing Number: 201	Revision: -

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Key:

	Works Area		Temporary Traffic Signal
	Closure		Stop & Go Board
	Vehicular Diversion Route		Temporary Ped Signal
	Ped Diversion Route		Existing Bus Stop
	Cone		Temporary Sign
	Datum Point		Pedestrian Barrier

Size of signage:

Single carriageway permanent speed limit as shown below or less)

600mm	750mm	900mm

SIGN SCHEDULE

Qty: 1 Ref 139 Schedule 139: Temporary Information	
Qty: 1 Ref 139 Schedule 139: Temporary Information	
Qty: 3 Ref 517 Road narrows on one side only ahead - right	
Qty: 1 Ref 573 Direction to hazard left	
Qty: 5 Ref 610 Keep left	
Qty: 4 Ref 645 End panel	
Qty: 8 Ref 7001 Road works ahead	
Qty: 1 Ref 7016 Crossing not in use (sign for pedestrians)	
Qty: 6 Ref 7018 Pedestrian diversion Right	
Qty: 5 Ref 7018 Pedestrian diversion Left	
Qty: 3 Ref 7105 Lane closure barrier	
Qty: 2 Ref 7202.1 Temporary lane availability	

1 Works to be done half and half to allow access to frontages

Safety information:

Min width of sideways safety zone (S)	0.5m
Min length of longways clearance (L)	0.5m
Castle Foregate	
Cheshire Street	
Castle Gate	
Smithfield Road	

Site information:

NSG	Castle Foregate, Shrewsbury	
Local Authority	Shropshire CC	
USRN	34700205	
Road Type	Single lane carriageway	Road Width 7.00m
Works Location	X:349420	Y:313008
Surveyed	<input checked="" type="checkbox"/> Bus Stop(s)	<input checked="" type="checkbox"/> Parked Vehicles <input checked="" type="checkbox"/>
Perm Signals	<input checked="" type="checkbox"/> Controlled Crossing	<input checked="" type="checkbox"/> Cycle Lanes <input checked="" type="checkbox"/>

Chapter 8 details:

Detail B (B)

Single/Dual carriageway 40mph or less-450mm traffic cones. Single/Dual carriageway 50mph or more-750mm traffic cones. Dual carriageway national speed limit - 750mm traffic cones. relaxation 3m.

Notes:
 1) During darkness, warning lights to BS EN 12352:2006 should be provided in accordance with Table A1.3 (Appendix 1).
 2) 45° tapers have 1.2m spacing, no relaxations.
 3) On motorways and NSL AP duals with hard shoulders, 1m cones will be required for both standard and relaxation works for lead tapers and the facing wall of lane changes.

Detail C1 (C1)

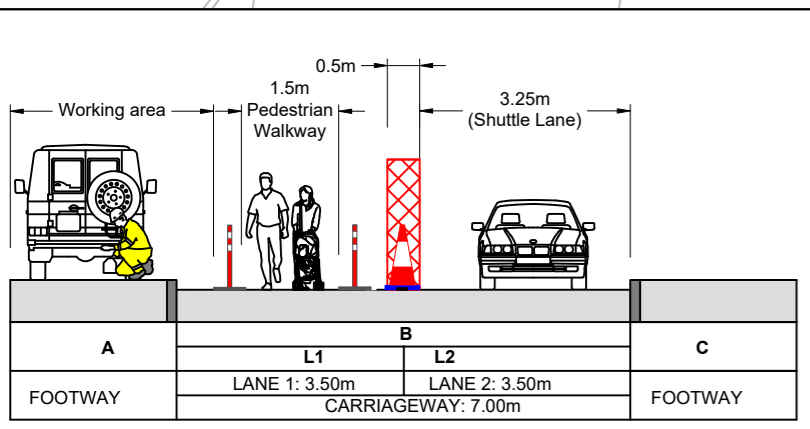
Single/Dual carriageway 40mph or less - 450mm traffic cones. Single/Dual carriageway 50mph or more - 750mm traffic cones.

Notes:
 1) During darkness, warning lights to BS EN 12352:2006 should be provided in accordance with Table A1.3 (Appendix 1).
 2) For relaxation to Detail C1 see Table A1.3 (Appendix 1).

Detail C2 (C2)

Single carriageway 40mph or less - 450mm traffic cones. Single/Dual carriageway 50mph or more - 750mm traffic cones.

Notes:
 1) During darkness, warning lights to BS EN 12352:2006 should be provided in accordance with Table A1.3.



Safety zone

1-Carriageway width taken from ordnance survey data and should be confirmed on site
 2-Existing lane widths have been assumed
 3-Size of any plant/vehicles to be assessed to ensure they can operate safely in the area shown. Any vehicles shown are indicative only

Rev	Date	Comments	By	Chk

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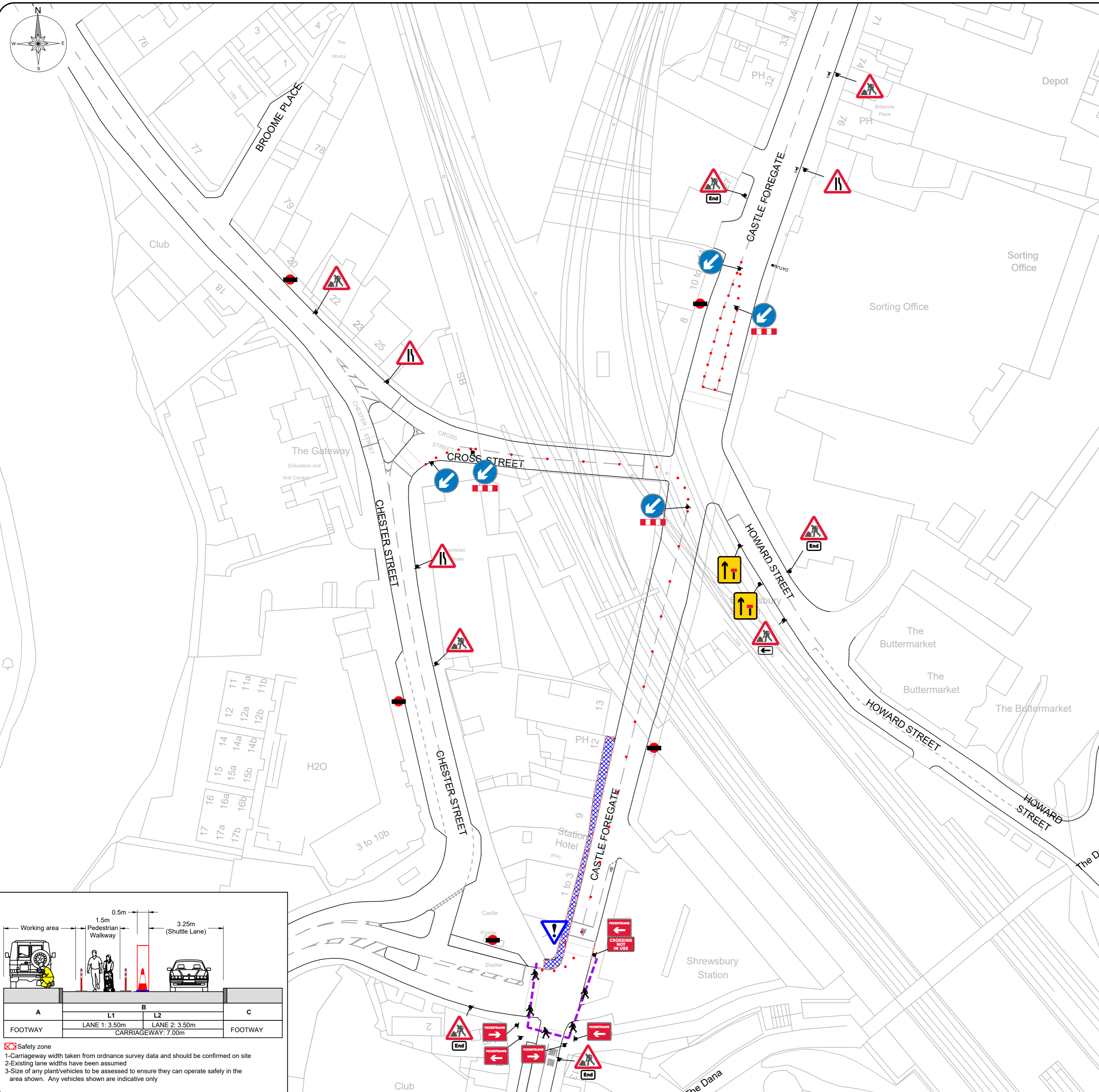
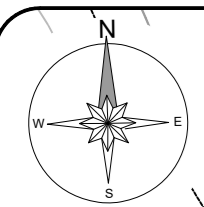
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 info@traffixuk.com | www.traffixuk.com

Project title:
**Riverside & Station Quarter
 Traffic Management: Zone 2b**

Drawing title:
**Proposed Footway Closure
 Castle Foregate
 Shrewsbury
 SY1 2AT**

Date: 19/10/2023	Scale: 1:750	Paper: A2
Drawn: MO	Checked: BN	Approved: SA
Project Number: TFX SA9863	Drawing Number: 202	Revision: -

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Desktop survey undertaken from google street view with imagery dated: December 2022

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Pedestrian management to be installed and managed to suit site conditions in accordance with current legislation & codes of practice by the contractor unless otherwise stated.

All signage and road markings shall conform with the Traffic Signs Regulations and General Directions (TSRGD).

Sign locations are indicative only, exact location to be determined on site.

Suitably qualified operative to assess site to ensure the installation complies with all current legislation. Any issues and/or changes from the original design should be immediately reported to the relevant contracts manager/designer.

This design is only valid for 12months from date of production and should be re-evaluated if installation is to take place after this period.

Size of signage:
Single carriageway permanent speed limit as shown below or less)

30	40	50 or more
600mm	750mm	900mm

SIGN SCHEDULE

Qty: 3 Ref: 517 Road narrows on one side only ahead - right	
Qty: 1 Ref: 573 Direction to hazard left	
Qty: 5 Ref: 610 Keep left	
Qty: 4 Ref: 645 End panel	
Qty: 8 Ref: 701 Road works ahead	
Qty: 1 Ref: 7016 Crossing not in use (sign for pedestrians)	
Qty: 2 Ref: 7018 Pedestrian diversion Right	
Qty: 3 Ref: 7018 Pedestrian diversion Left	
Qty: 3 Ref: 7105 Lane closure barrier	
Qty: 2 Ref: 7202.1 Temporary lane availability	

1 Works to be done half and half to allow access to frontages

Key:

	Temporary Traffic Signal
	Stop & Go Board
	Temporary Ped Signal
	Existing Bus Stop
	Temporary Sign
	Pedestrian Barrier

Safety information:

Min width of sideways safety zone (S)	0.5m
Min length of longways clearance (L)	0.5m
Castle Foregate	30
Cheshire Street	30
Castle Gate	30
Smithfield Road	30

Site information:

NSG	Castle Foregate, Shrewsbury	
Local Authority	Shropshire CC	
USRN	34700205	
Road Type	Single lane carriageway	Road Width 7.00m
Works Location	X:349420	Y:313008
Surveyed	<input checked="" type="checkbox"/> Bus Stop(s)	<input checked="" type="checkbox"/> Parked Vehicles <input checked="" type="checkbox"/>
Perm Signals	<input checked="" type="checkbox"/> Controlled Crossing	<input checked="" type="checkbox"/> Cycle Lanes <input checked="" type="checkbox"/>

Chapter 8 details:

Detail B (B)

Single/Dual carriageway 40mph or less-450mm traffic cones. Single/Dual carriageway 50mph or more-750mm traffic cones. Dual carriageway national speed limit - 750mm traffic cones. relaxation 3m.

Notes:
1) During darkness, warning lights to BS EN 12352:2006 should be provided in accordance with Table A1.3 (Appendix 1).
2) 45° tapers have 1.2m spacing, no relaxations.
3) On motorways and NSL AP duals with hard shoulders, 1m cones will be required for both standard and relaxation works for lead tapers and the facing wall of lane changes.

Detail C1 (C1)

Single/Dual carriageway 40mph or less - 450mm traffic cones. Single/Dual carriageway 50mph or more - 750mm traffic cones.

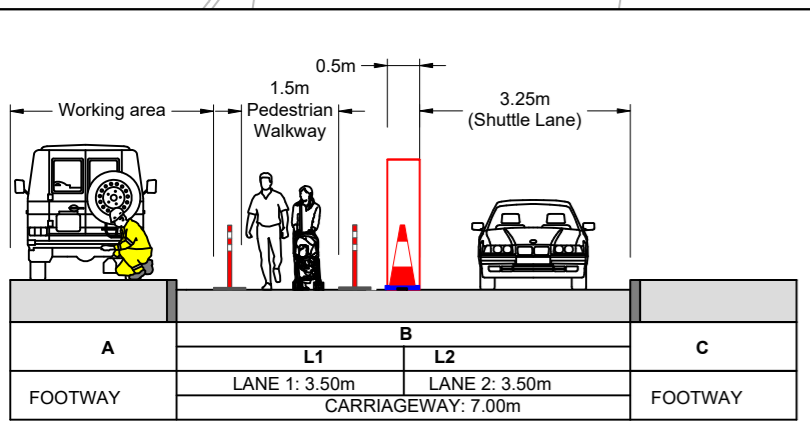
Notes:
1) During darkness, warning lights to BS EN 12352:2006 should be provided in accordance with Table A1.3 (Appendix 1).
2) For relaxation to Detail C1 see Table A1.3 (Appendix 1).

Detail C2 (C2)

Single carriageway 40mph or less - 450mm traffic cones. Single/Dual carriageway 50mph or more - 750mm traffic cones.

Notes:
1) During darkness, warning lights to BS EN 12352:2006 should be provided in accordance with Table A1.3.

Rev	Date	Comments	By	Chk



Safety zone

1-Carriageway width taken from ordnance survey data and should be confirmed on site
2-Existing lane widths have been assumed
3-Size of any plant/vehicles to be assessed to ensure they can operate safely in the area shown. Any vehicles shown are indicative only

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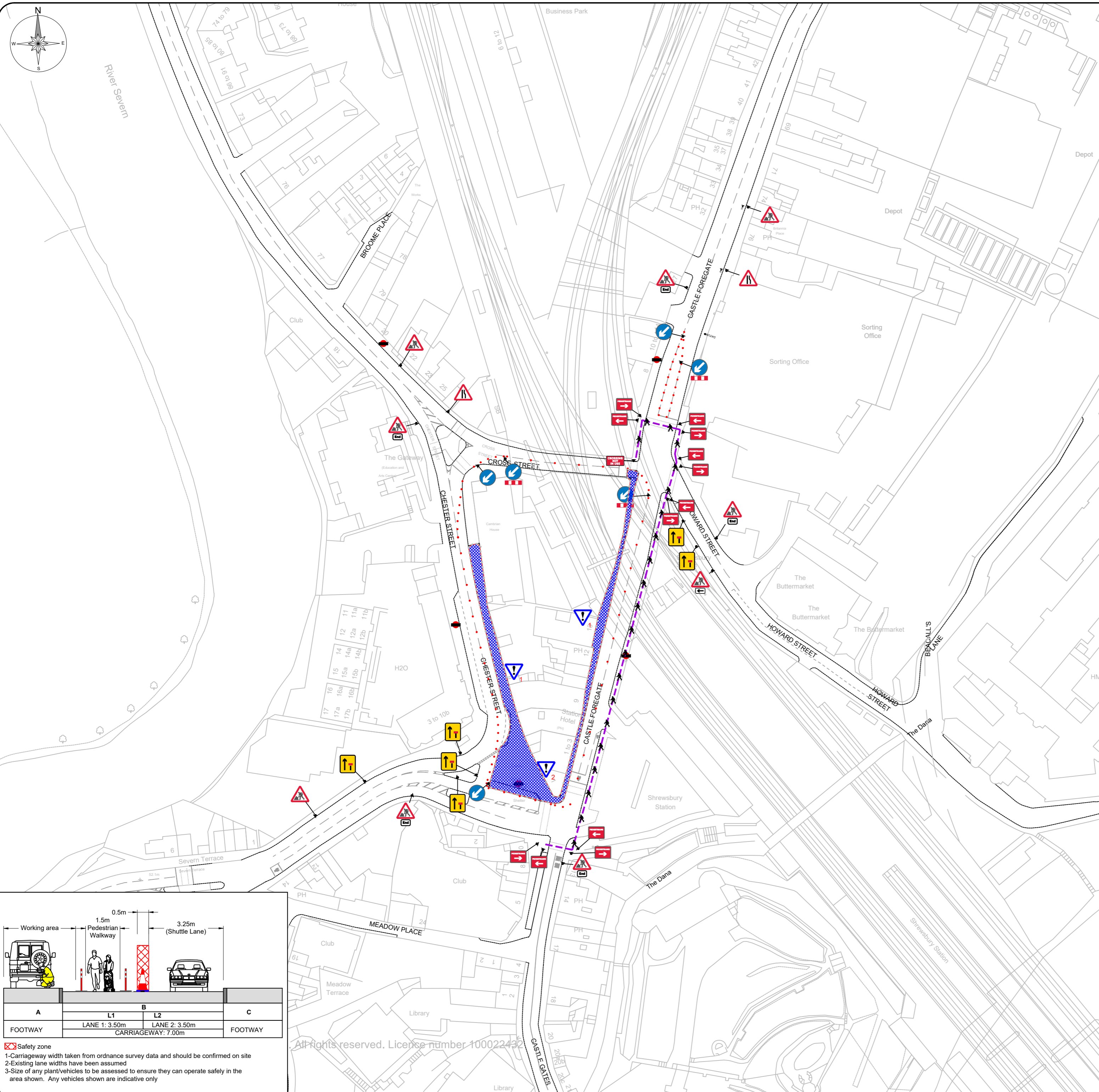
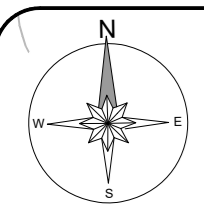
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Project title:
Riverside & Station Quarter
Traffic Management: Zone 2c

Drawing title:
Proposed Footway Closure
Castle Foregate
Shrewsbury
SY1 2AT

Date: 19/10/2023	Scale: 1:750	Paper: A2
Drawn: MO	Checked: BN	Approved: SA
Project Number: TFX SA9863	Drawing Number: 203	Revision: -

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Pedestrian management to be installed and managed to suit site conditions in accordance with current legislation & codes of practice by the contractor unless otherwise stated.

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Sign locations are indicative only, exact location to be determined on site.

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This design is only valid for 12months from date of production and should be re-evaluated if installation is to take place after this period.

Size of signage:
Single carriageway permanent speed limit as shown below or less)

30	40	50 or more
600mm	750mm	900mm

SIGN SCHEDULE

Qty: 2 Ref: 517 Road narrows on one side only ahead - right	
Qty: 1 Ref: 573 Direction to hazard left	
Qty: 6 Ref: 610 Keep left	
Qty: 5 Ref: 645 End panel	
Qty: 9 Ref: 701 Road works ahead	
Qty: 1 Ref: 706 Crossing not in use (sign for pedestrians)	
Qty: 6 Ref: 708 Pedestrian diversion Right	
Qty: 6 Ref: 708 Pedestrian diversion Left	
Qty: 3 Ref: 7105 Lane closure barrier	
Qty: 6 Ref: 7202.1 Temporary lane availability	

- 1 Works to be done half and half to allow access to frontages
- 2 Works to be done half and half to allow use of crossings

Key:

	Works Area		Temporary Traffic Signal
	Closure		Stop & Go Board
	Vehicular Diversion Route		Temporary Ped Sign
	Ped Diversion Route		Existing Bus Stop
	Cone		Temporary Sign
	Datum Point		Pedestrian Barrier

Safety information:

Min width of sideways safety zone (S)	0.5m
Min length of longways clearance (L)	0.5m
Castle Foregate	30
Cheshire Street	30
Castle Gate	30
Smithfield Road	30

Site information:

NSG	Castle Foregate, Shrewsbury	
Local Authority	Shropshire CC	
USRN	34700205	
Road Type	Single lane carriageway	Road Width 7.00m
Works Location	X:349420	Y:313008
Surveyed	<input checked="" type="checkbox"/> Bus Stop(s)	<input checked="" type="checkbox"/> Parked Vehicles
Perm Signals	<input checked="" type="checkbox"/> Controlled Crossing	<input checked="" type="checkbox"/> Cycle Lanes

Chapter 8 details:

Detail B (B)

Single/Dual carriageway 40mph or less - 450mm traffic cones.
Single/Dual carriageway 50mph or more - 750mm traffic cones.
Dual carriageway national speed limit - 750mm traffic cones.
relaxation 3m.

Notes:
1) During darkness, warning lights to BS EN 12352:2006 should be provided in accordance with Table A1.3 (Appendix 1).
2) 45° tapers have 1.2m spacing, no relaxations.
3) On motorways and NSL AP duals with hard shoulders, 1m cones will be required for both standard and relaxation works for lead tapers and the facing wall of lane changes.

Detail C1 (C1)

Single/Dual carriageway 40mph or less - 450mm traffic cones.
Single/Dual carriageway 50mph or more - 750mm traffic cones.

Notes:
1) During darkness, warning lights to BS EN 12352:2006 should be provided in accordance with Table A1.3 (Appendix 1).
2) For relaxation to Detail C1 see Table A1.3 (Appendix 1).

Detail C2 (C2)

Single carriageway 40mph or less - 450mm traffic cones.
Single/Dual carriageway 50mph or more - 750mm traffic cones.

Notes:
1) During darkness, warning lights to BS EN 12352:2006 should be provided in accordance with Table A1.3.

Rev	Date	Comments	By	Chk

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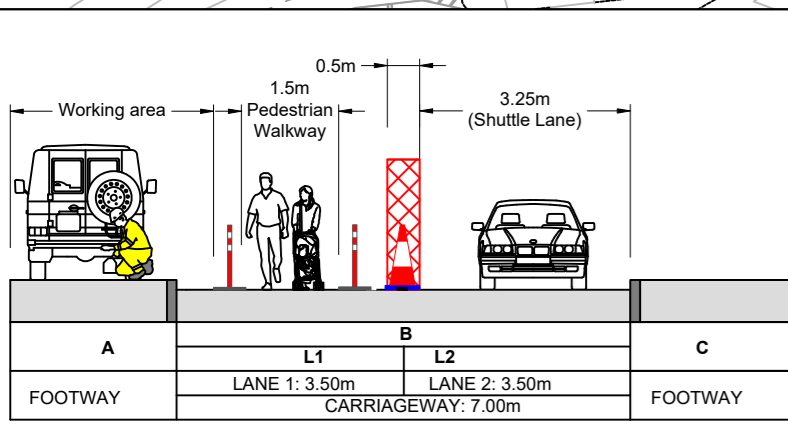
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Project title:
Riverside & Station Quarter
Traffic Management: Zone 5 & 2

Drawing title:
Proposed Footway Closure
Castle Foregate
Shrewsbury
SY1 2AT

Date: 19/10/2023	Scale: 1:750	Paper: A2
Drawn: MO	Checked: BN	Approved: SA
Project Number: TFX SA9863	Drawing Number: 301	Revision: -



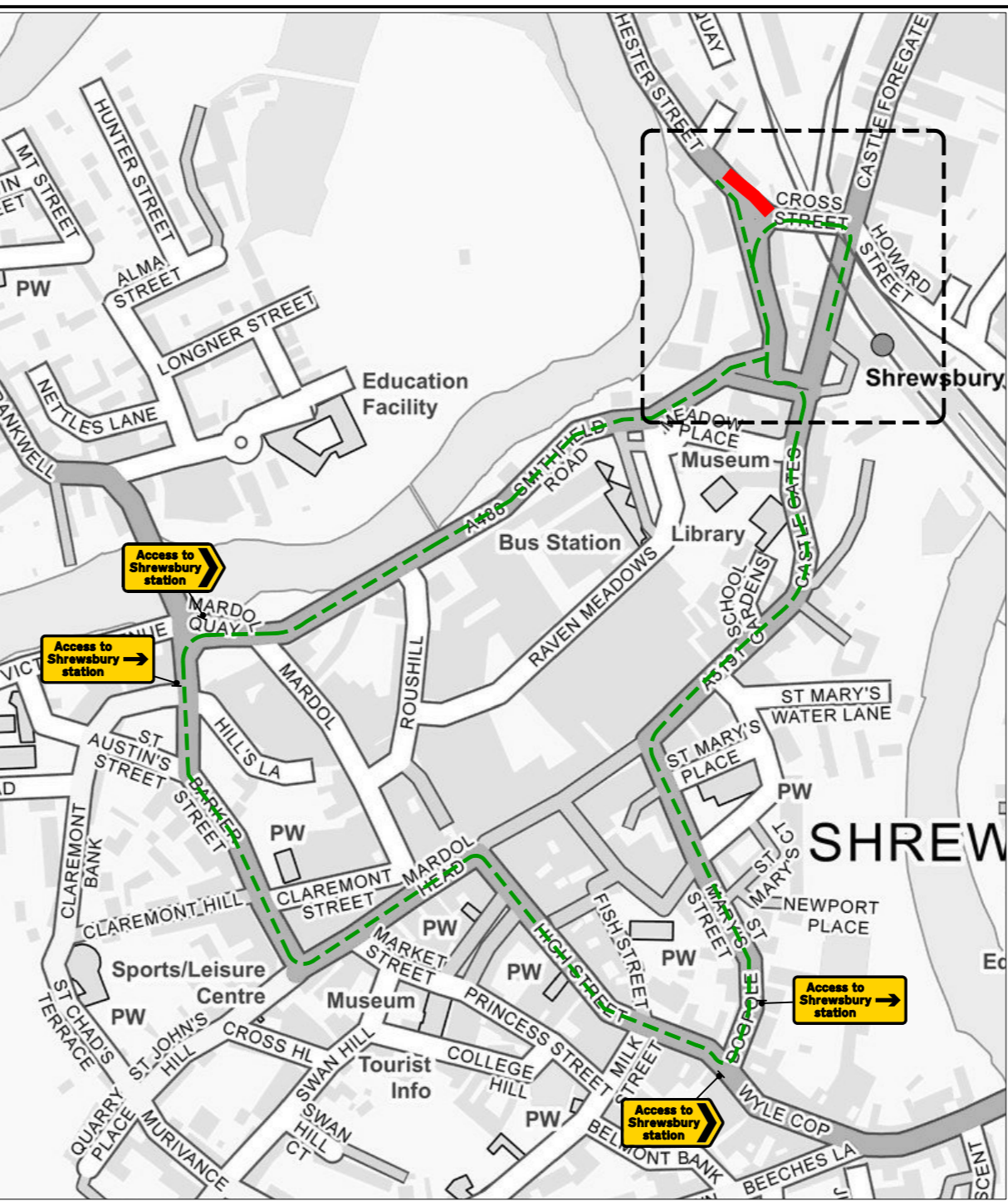
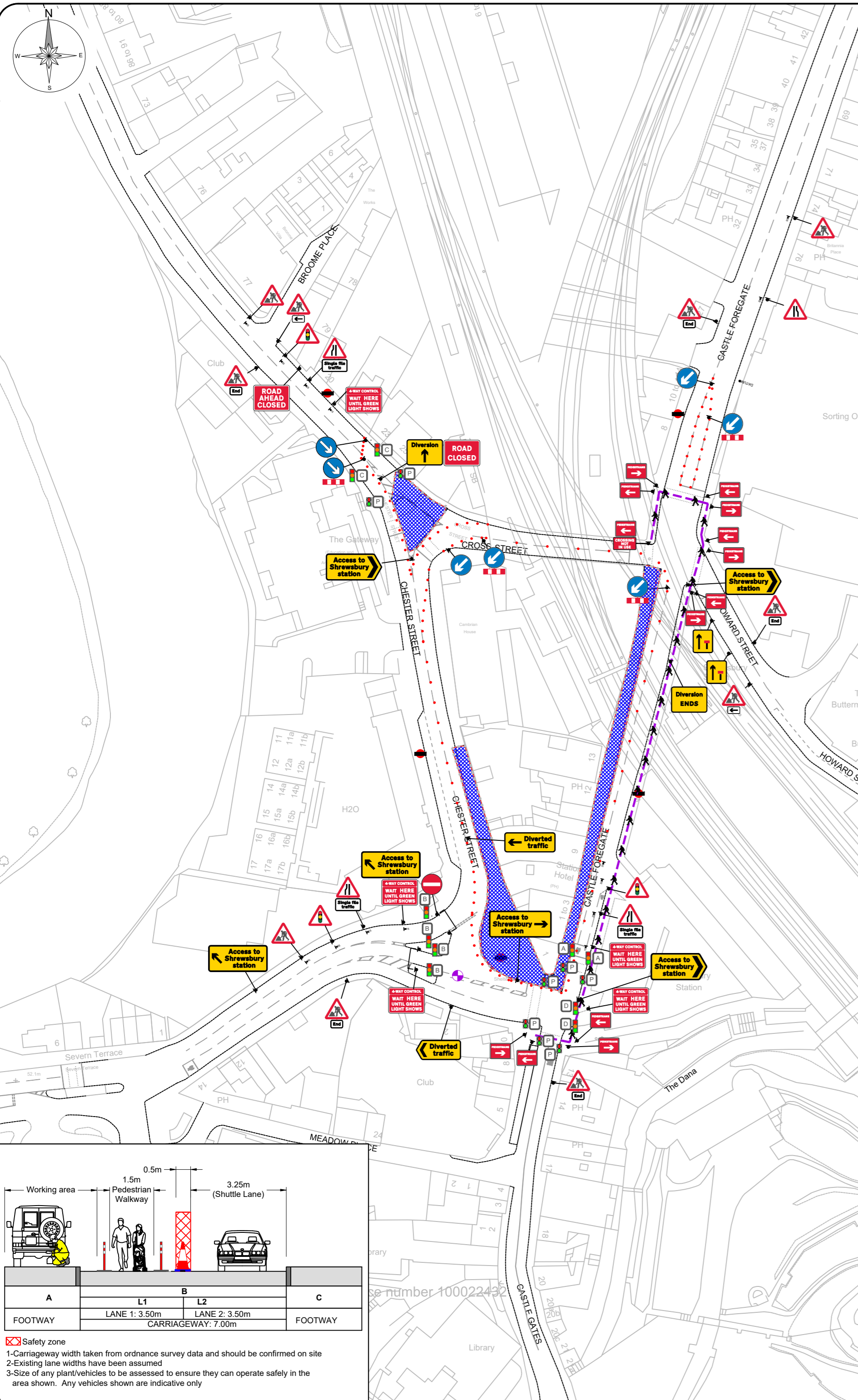
Safety zone

1-Carriageway width taken from ordnance survey data and should be confirmed on site
2-Existing lane widths have been assumed
3-Size of any plant/vehicles to be assessed to ensure they can operate safely in the area shown. Any vehicles shown are indicative only

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Bus stop(s) are present/in close proximity to the works.
Bus stop(s) are to be suspended and the appropriate signage installed in suitable locations to be agreed on site.

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Sign locations are indicative only, exact location to be determined on site.

Suitably qualified operative to assess site to ensure the installation complies with all current legislation. Any issues and/or changes from the original design should be immediately reported to the relevant contracts manager/designer.

This design is only valid for 12months from date of production and should be re-evaluated if installation is to take place after this period.

Key:

	Works Area		Temporary Traffic Signal
	Closure		Stop & Go Board
	Vehicular Diversion Route		Temporary Ped Signal
	Ped Diversion Route		Existing Bus Stop
	Cone		Temporary Sign
	Datum Point		Pedestrian Barrier

Safety information:

Min width of sideways safety zone (S)	0.5m
Min length of longways clearance (L)	0.5m
Castle Foregate	30
Cheshire Street	30
Castle Gate	30
Smithfield Road	30

Size of signage:

Single carriageway permanent speed limit as shown below or less)		
30	40	50 or more
500mm	750mm	900mm

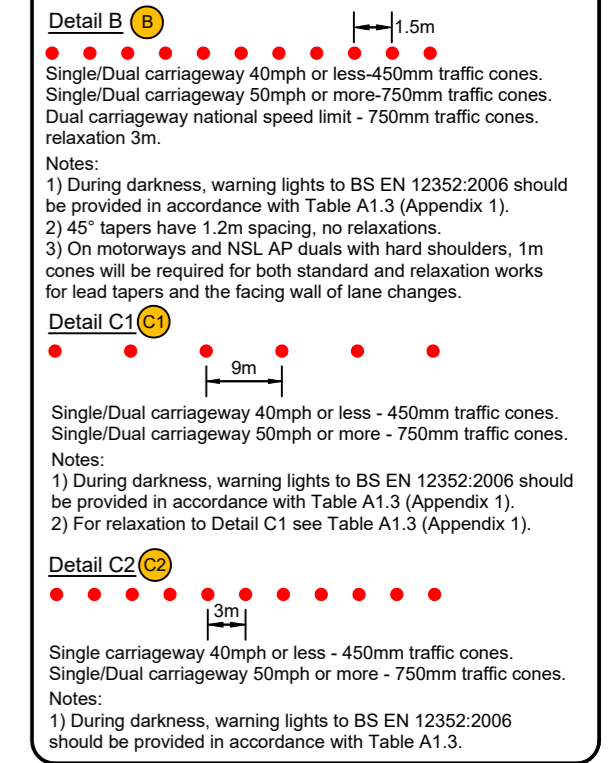
Site information:

NSG	Castle Foregate, Shrewsbury	
Local Authority	Shropshire CC	
USRN	34700205	
Road Type	Single lane carriageway	Road Width 7.00m
Worked Location	X:349420	Y:313008
Surveyed	<input checked="" type="checkbox"/> Bus Stop(s)	<input checked="" type="checkbox"/> Parked Vehicles
Perm Signals	<input checked="" type="checkbox"/> Controlled Crossing	<input checked="" type="checkbox"/> Cycle Lanes

SIGN SCHEDULE

Qty: 5 Ref: 139 VPO1 Schedule 13-9: Temporary Information	
Qty: 2 Ref: 139 VPO1 Schedule 13-9: Temporary Information	
Qty: 3 Ref: 139 VPO1 Schedule 13-9: Temporary Information	
Qty: 1 Ref: 2702 Start of temporary diversion route	
Qty: 1 Ref: 2702 End of temporary diversion route	
Qty: 1 Ref: 2703 Direction of temporary diversion route from junction ahead	
Qty: 1 Ref: 2704 Direction of temporary diversion route	
Qty: 1 Ref: 517 Road narrows on one side only ahead - right	
Qty: 1 Ref: 517 Road narrows on one side only ahead - left	
Qty: 3 Ref: 518 Single file traffic	
Qty: 3 Ref: 543 Traffic signals ahead	
Qty: 2 Ref: 573 Direction to hazard left	
Qty: 5 Ref: 610 Keep left	
Qty: 2 Ref: 610 Keep right	
Qty: 1 Ref: 616 No entry	
Qty: 5 Ref: 645 End panel	
Qty: 10 Ref: 7001 Road works ahead	
Qty: 1 Ref: 7010-FP-13-9 Nature of temporary hazard ahead - Road Closed	
Qty: 1 Ref: 7010-FP-13-9 Nature of temporary hazard ahead - Road Ahead Closed	
Qty: 5 Ref: 7011.1 4 Way Control - Wall here until green light shows	
Qty: 1 Ref: 7016 Crossing not in use (sign for pedestrians)	
Qty: 6 Ref: 7018 Pedestrian diversion Right	
Qty: 7 Ref: 7018 Pedestrian diversion Left	
Qty: 4 Ref: 7105 Lane closure barrier	
Qty: 2 Ref: 7202.1 Temporary lane availability	

Chapter 8 details:



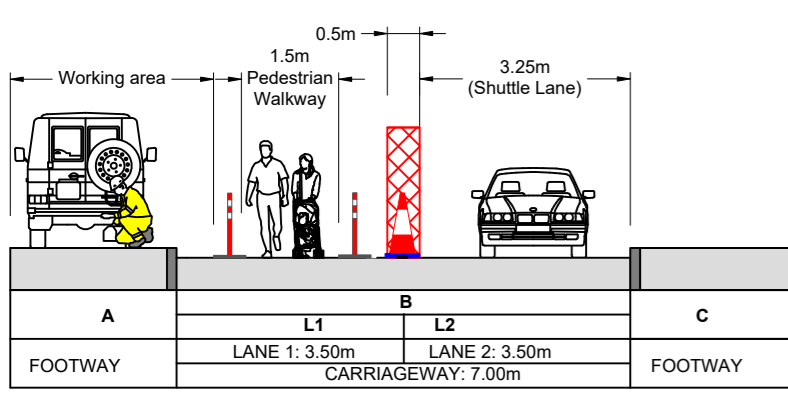
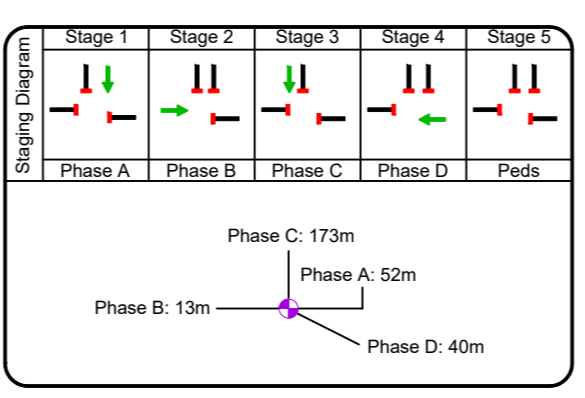
Shuttle Lane information:

	Standard: Normal traffic inc buses and HGVs	Restricted: Cars and light vehicles only
Two-way working	6.75m minimum	5.5m minimum
Shuttle working	3.25-3.50m desirable 3.0m absolute min	3.25m desirable 2.5m absolute min

Vehicle Actuated (VA) Temporary Traffic Light Phase Timings

Phase	Red Time	Green Time
A	25 seconds.	50 seconds.
B	20 seconds.	45 seconds.
C	25 seconds.	50 seconds.
D	25 seconds.	50 seconds.
E	10 seconds.	10 seconds.

Timings may be adjusted on site to suit traffic flow/conditions if required by a suitably qualified operative



Safety zone

- Carriageway width taken from ordnance survey data and should be confirmed on site
- Existing lane widths have been assumed
- Size of any plant/vehicles to be assessed to ensure they can operate safely in the area shown. Any vehicles shown are indicative only

- Works to be done half and half to allow access to frontages
 - Works to be done half and half to allow use of crossings
- Bus stop(s) are present/in close proximity to the works. Bus stop(s) are to be suspended and the appropriate signage installed in suitable locations to be agreed on site.

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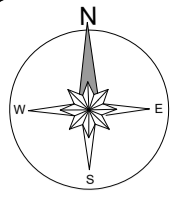
Project title:
 Riverside & Station Quarter
 Traffic Management: Zone 5 & 2

Drawing title:
 Proposed Footway Closure & Lane Closures
 Castle Foregate
 Shrewsbury
 SY1 2AT

Date: 19/10/2023	Scale: 1:750	Paper: A2
Drawn: MO	Checked: BN	Approved: SA
Project Number: TFX SA9863	Drawing Number: 302	Revision: -

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Key:	
	Works Area
	Closure
	Vehicular Diversion Route
	Ped Diversion Route
	Cone
	Datum Point
	Temporary Traffic Signal
	Stop & Go Board
	Temporary Ped Signal
	Existing Bus Stop
	Temporary Sign
	Temporary Sign
	Pedestrian Barrier

Size of signage:		
Single carriageway permanent speed limit as shown below or less)		
300mm	750mm	900mm

Site information:	
NSG	Castle Foregate, Shrewsbury
Local Authority	Shropshire CC
USRN	34700205
Road Type	Single lane carriageway
Road Width	7.00m
Works Location	X:349420 Y:313008
Surveyed	<input checked="" type="checkbox"/> Bus Stop(s) <input checked="" type="checkbox"/> Paved Vehicles <input checked="" type="checkbox"/>
Perm Signals	<input checked="" type="checkbox"/> Controlled Crossing <input checked="" type="checkbox"/> Cycle Lanes <input checked="" type="checkbox"/>

Safety information:	
Min width of sideways safety zone (S)	0.5m
Min length of longways clearance (L)	0.5m
Castle Foregate	50
Cheshire Street	50
Castle Gate	50
Smithfield Road	50

Chapter 8 details:	
Detail B	
Detail C1	
Detail C2	

Notes:

- During darkness, warning lights to BS EN 12352:2006 should be provided in accordance with Table A1.3 (Appendix 1)
- 45° tapers have 1.2m spacing, no relaxations.
- On motorways and NSL AP Quads with hard shoulders, 1m cones will be required for both standard and relaxation works for lead tapers and the facing wall of lane changes.

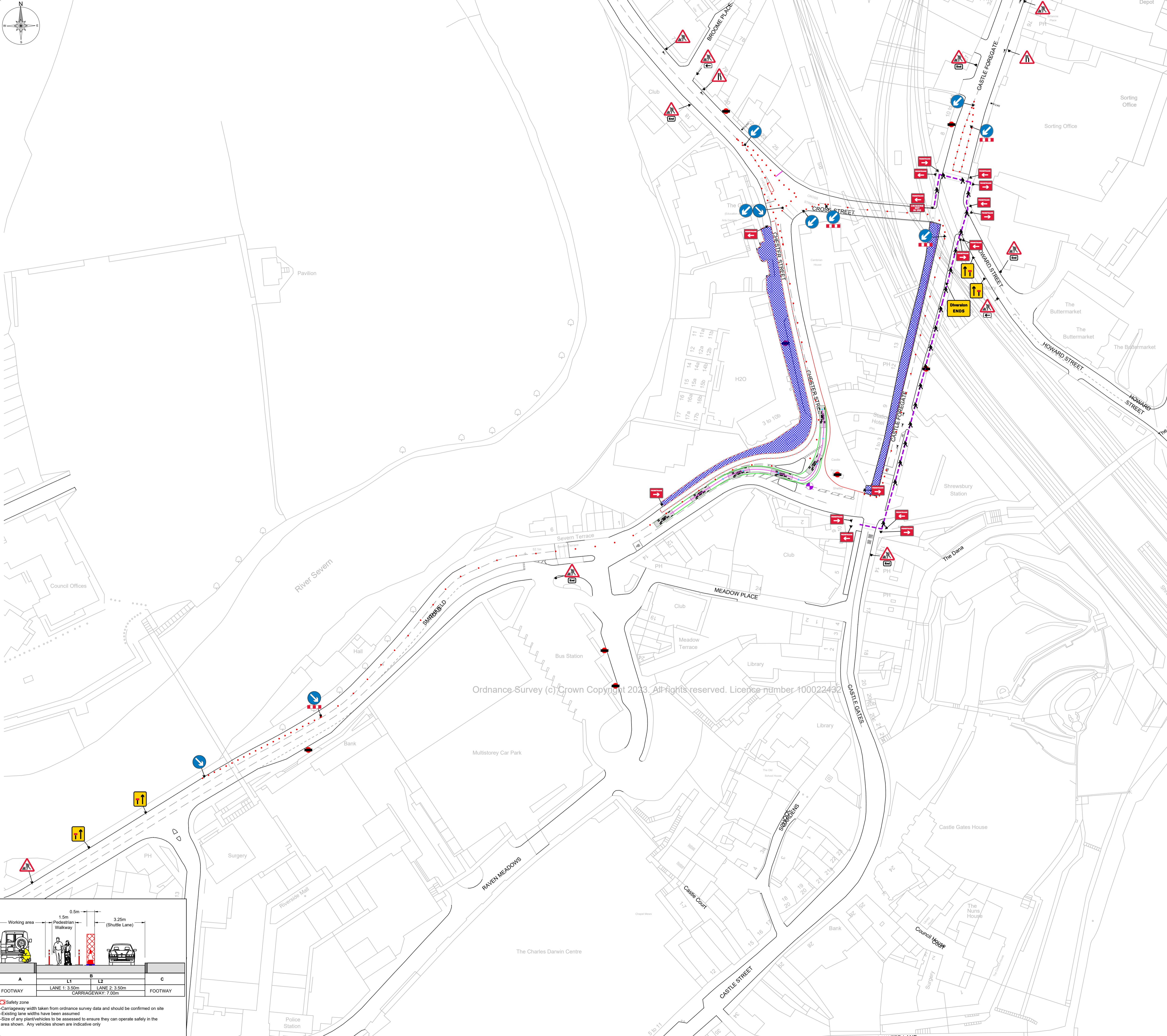
Notes:

- During darkness, warning lights to BS EN 12352:2006 should be provided in accordance with Table A1.3 (Appendix 1)
- For relaxation to Detail C1 see Table A1.3 (Appendix 1).

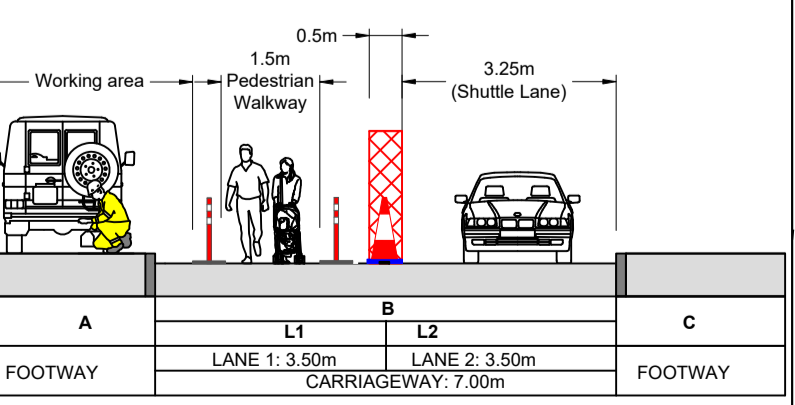
Notes:

- During darkness, warning lights to BS EN 12352:2006 should be provided in accordance with Table A1.3

SIGN SCHEDULE	
Qty: 1 Ref: 2022 End of temporary diversion route	
Qty: 2 Ref: 610 Road narrows on one side only ahead - right	
Qty: 1 Ref: 610 One way	
Qty: 3 Ref: 610 One way	
Qty: 9 Ref: 645 End panel	
Qty: 16 Ref: 1001 Road works ahead	
Qty: 6 Ref: 1016 Changing road sign (sign for pedestrian)	
Qty: 8 Ref: 1016 Pedestrian diversion sign	
Qty: 8 Ref: 1016 Pedestrian diversion sign	
Qty: 4 Ref: 1015 Lane closure barrier	
Qty: 2 Ref: 2022.1 Temporary lane availability	
Qty: 2 Ref: 2022.1 Temporary lane availability	



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Safety zone

- Carriageway width taken from ordnance survey data and should be confirmed on site
- Existing lane widths have been assumed
- Size of any plant/vehicles to be assessed to ensure they can operate safely in the area shown. Any vehicles shown are indicative only

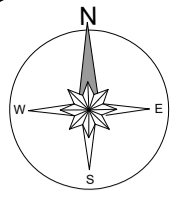
Rev	Date	Comments	By	Chk

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Project title:		
Riverside & Station Quarter Traffic Management, Zone 6 & 2		
Drawing title: Proposed Footway & Lane Closure Castle Foregate Shrewsbury SY1 2AT		
Date: 19/10/2023	Scale: 1:1000	Paper: A1
Drawn: MO	Checked: BN	Approved: SA
Project Number: TFX SA9863	Drawing Number: 401	Revision: -

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Desktop survey undertaken from google street view with imagery dated: December 2022

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Sign locations are indicative only, exact location to be determined on site.

Suitably qualified operative to assess site to ensure the installation complies with all current legislation. Any issues and/or changes from the original design should be immediately reported to the relevant contracts manager/designer.

This design is only valid for 12 months from date of production and should be re-evaluated if installation is to take place after this period.

Size of signage:

Single carriageway permanent speed limit as shown below or less)	60	40	30 or more
900mm	750mm	900mm	

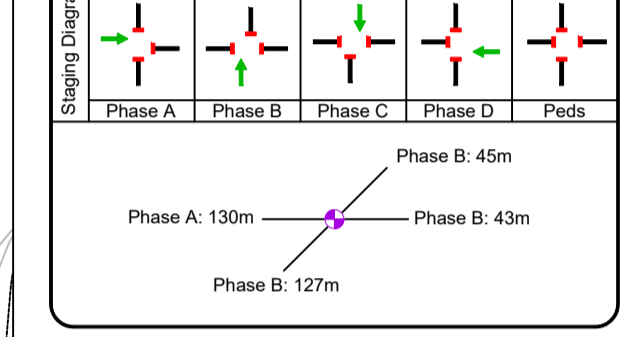
Shuttle Lane information:

Two-way working	Standard: Normal traffic inc buses and HGVs	Restricted: Cars and light vehicles only
Shuttle working	5.5m minimum	5.5m minimum
	3.25m desirable	2.5m absolute min

Vehicle Actuated (VA) Temporary Traffic Light Phase Timings

Phase	Red Time	Green Time
A	20 seconds	45 seconds
B	20 seconds	45 seconds
C	20 seconds	45 seconds
D	20 seconds	45 seconds
E	10 seconds	10 seconds

Timings may be adjusted on site to suit traffic flow/conditions if required by a suitably qualified operative



SIGN SCHEDULE

Qty: 3 Ref: S10 Circular 'D' Temporary Information		FOOTWAY CONTROL
Qty: 4 Ref: S17 Road narrows on one side only ahead - left		
Qty: 2 Ref: S17 Road narrows on one side only ahead - right		
Qty: 2 Ref: S16 Single file traffic		SINGLE FILE TRAFFIC
Qty: 4 Ref: S22 Traffic signs ahead		
Qty: 1 Ref: S23 Direction to road left		
Qty: 6 Ref: S10 Knee light		
Qty: 4 Ref: S45 End		END
Qty: 10 Ref: T01 Blue work ahead		
Qty: 9 Ref: S11.1 A Fly Control - Watch for anti green light shows		
Qty: 1 Ref: T02 Motorist direction sign		
Qty: 2 Ref: T03 Motorist direction sign		
Qty: 4 Ref: T05 Work ahead barrier		
Qty: 3 Ref: T02.1 Temporary lane availability		
Qty: 2 Ref: T02.1 Temporary lane availability		

Key

	Works Area		Temporary Traffic Signal
	Closure		Stop & Go Board
	Vehicular Diversion Route		Temporary Ped Signal
	Ped Diversion Route		Existing Bus Stop
	Cone		Temporary Sign
	Datum Point		Pedestrian Barrier

Safety information:

Min width of sideways safety zone (S)	0.5m
Min length of longways clearance (L)	0.5m
Castle Foregate	50
Cheshire Street	30
Castle Gate	30
Smithfield Road	50

Site information:

NSG	Castle Foregate, Shrewsbury
Local Authority	Shropshire CC
USRN	34700205
Road Type	Single lane carriageway
Road Width	7.00m
Surveyed	X Bus Stop(s) X Paved Vehicles
Perm Signals	Controlled Crossing
	Cycle Lanes

Chapter 8 details:

Detail B

Detail C1

Detail C2

Notes:

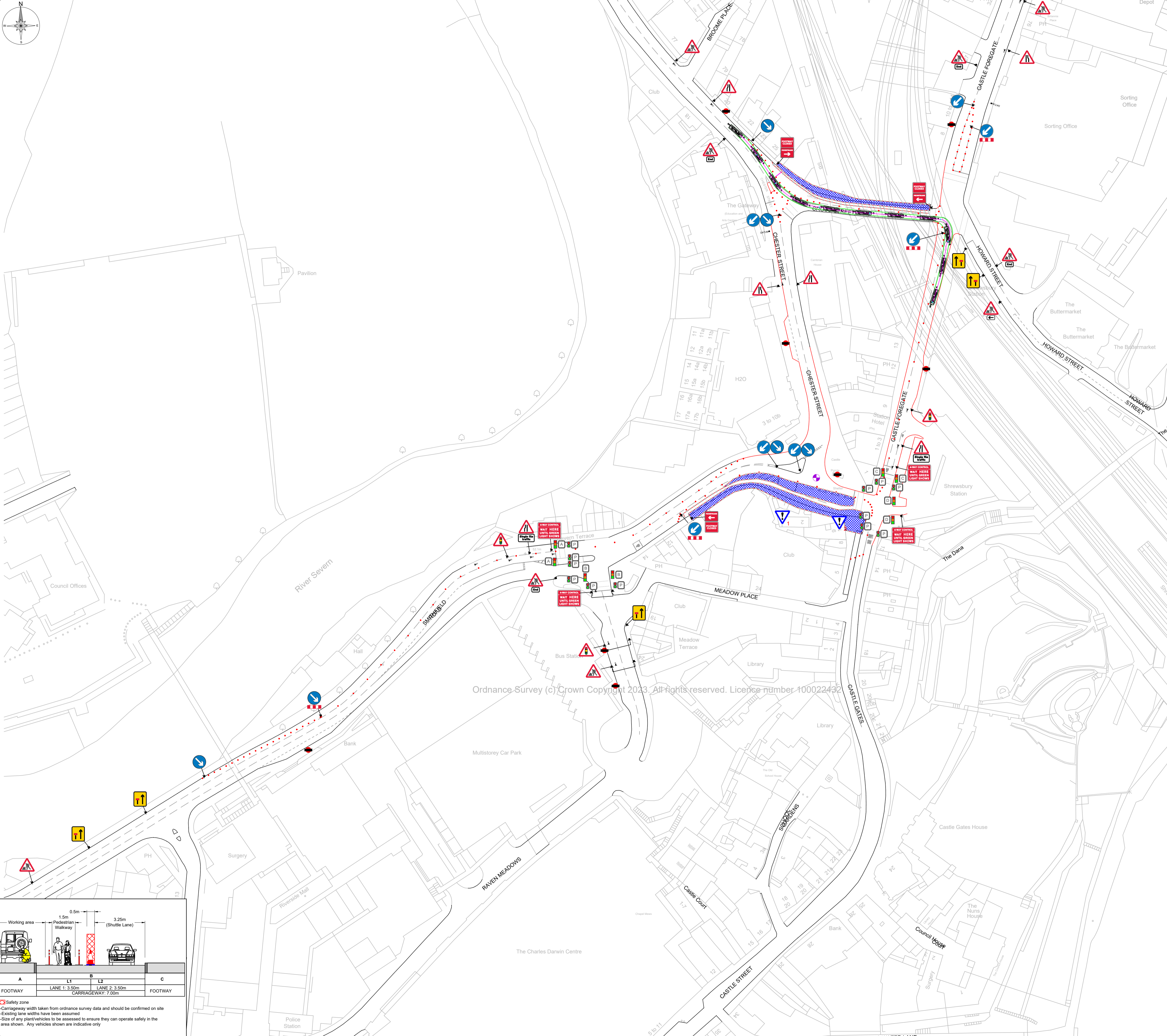
- During darkness, warning lights to BS EN 12352:2006 should be provided in accordance with Table A1.3 (Appendix 1).
- 45° tapers have 1.2m spacing, no relaxations.
- On motorways and NSL AP Quads with hard shoulders, 1m cones will be required for both standard and relaxation works for lead tapers and the facing wall of lane changes.

Notes:

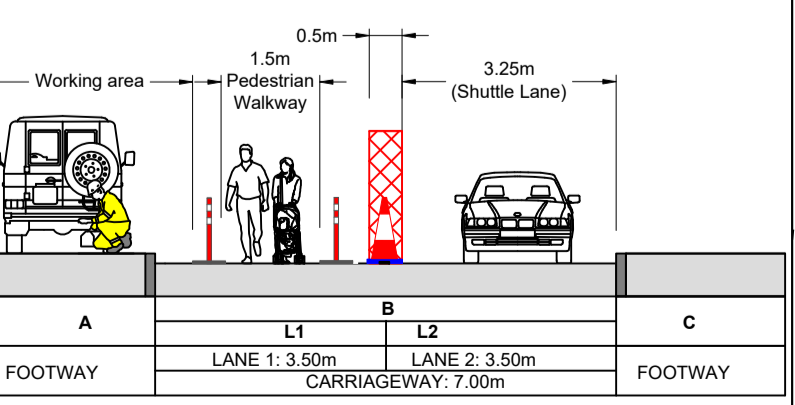
- During darkness, warning lights to BS EN 12352:2006 should be provided in accordance with Table A1.3 (Appendix 1).
- For relaxation to Detail C1 see Table A1.3 (Appendix 1).

Notes:

- During darkness, warning lights to BS EN 12352:2006 should be provided in accordance with Table A1.3.



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Safety zone

A	L1	L2	C
FOOTWAY	LANE 1: 3.50m	LANE 2: 3.50m	FOOTWAY
	CARRIAGEWAY: 7.00m		

1. Carriageway width taken from ordnance survey data and should be confirmed on site
 2. Existing lane widths have been assumed
 3. Size of any plant/vehicles to be assessed to ensure they can operate safely in the area shown. Any vehicles shown are indicative only

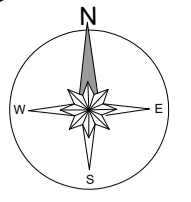
Works to be done half and half to allow access to frontages

Works to be done half and half to allow use of crossings
 Bus stop(s) are to be suspended and the appropriate signage installed in suitable locations to be agreed on site.

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Project: Riverside & Station Quarter Traffic Management: Zone 7 & 3
Drawing title: Proposed Footway & Lane Closure Castle Foregate Shrewsbury SY1 2AT
Date: 19/10/2023 **Scale:** 1:1000 **Paper:** A1
Drawn: MO **Checked:** BN **Approved:** SA
Project Number: TFX SA9863 **Drawing Number:** 501 **Revision:** -

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Desktop survey undertaken from google street view with imagery dated: December 2022

All traffic management shall comply with all current legislation and guidance including Chapter 8, Safety at Street Works and Road Works (A Code of Practice).

Pedestrian management to be installed and managed to suit site conditions in accordance with current legislation & codes of practice by the contractor unless otherwise stated.

All signage and road markings shall conform with the Traffic Signs Regulations and General Directions (TSRGD).

Sign locations are indicative only, exact location to be determined on site. Suitably qualified operative to assess site to ensure the installation complies with all current legislation. Any issues and/or changes from the original design should be immediately reported to the relevant contracts manager/designer.

This design is only valid for 12 months from date of production and should be re-evaluated if installation is to take place after this period.

Size of signage:

Single carriageway permanent speed limit as shown below or less)	750mm	900mm
30	43	63 or more

Shuttle Lane information:

Two-way working	Standard: Normal traffic inc buses and HGVs	Restricted: Cars and light vehicles only
Shuttle working	5.5m minimum	5.5m minimum
	3.25m desirable	2.5m absolute min

Vehicle Actuated (VA) Temporary Traffic Light Phase Timings

Phase	Red Time	Green Time
A	20 seconds	45 seconds
B	20 seconds	45 seconds
C	20 seconds	45 seconds
D	20 seconds	45 seconds
E	10 seconds	10 seconds

Timings may be adjusted on site to suit traffic flow/conditions if required by a suitably qualified operative

Chapter 8 details:

Detail B: 1.5m spacing

Detail C1: 9m spacing

Detail C2: 3m spacing

Staging Diagram

Stage 1	Stage 2	Stage 3	Stage 4	Stage 5
Phase A	Phase B	Phase C	Phase D	Phase E

Phase A: 130m
Phase B: 45m
Phase B: 127m

SIGN SCHEDULE

Qty: 3 Ref: 130 Circular 'D' Temporary Information		FOOTWAY CLOSED
Qty: 4 Ref: 517 Road narrows on one side only ahead - left		Single file traffic
Qty: 2 Ref: 517 Road narrows on one side only ahead - right		
Qty: 2 Ref: 518 Single file traffic		
Qty: 4 Ref: 520 Traffic signs ahead		
Qty: 2 Ref: 523 Direction to hazard left		
Qty: 7 Ref: 610 Knee right		
Qty: 9 Ref: 610 Knee left		
Qty: 4 Ref: 645 End of lane		End
Qty: 11 Ref: 700 Blue work ahead		
Qty: 9 Ref: 911.1 A Flag Control - Work with green light shows		FLAG CONTROL
Qty: 1 Ref: 1028 Prohibitory sign - No entry		PROHIBITORY
Qty: 2 Ref: 1014 Prohibitory sign - No entry		PROHIBITORY
Qty: 9 Ref: 1016 Work ahead sign		
Qty: 3 Ref: 1022.1 Temporary lane availability		TEMPORARY LANE
Qty: 2 Ref: 1022.1 Temporary lane availability		TEMPORARY LANE

Key:

	Works Area		Temporary Traffic Signal
	Closure		Stop & Go Board
	Vehicular Diversion Route		Temporary Ped Signal
	Ped Diversion Route		Existing Bus Stop
	Cone		Temporary Sign
	Datum Point		Pedestrian Barrier

Safety information:

Min width of sideways safety zone (S)	0.5m
Min length of longways clearance (L)	0.5m
Castle Foregate	50
Cheshire Street	50
Castle Gate	50
Smithfield Road	50

Site information:

NSG	Castle Foregate, Shrewsbury
Local Authority	Shropshire CC
USRN	34700205
Road Type	Single lane carriageway
Road Width	7.00m
Surveyed	X Bus Stop(s) X Paved Vehicles
Perm Signals	Controlled Crossing
	Controlled Cycle Lanes

Notes:

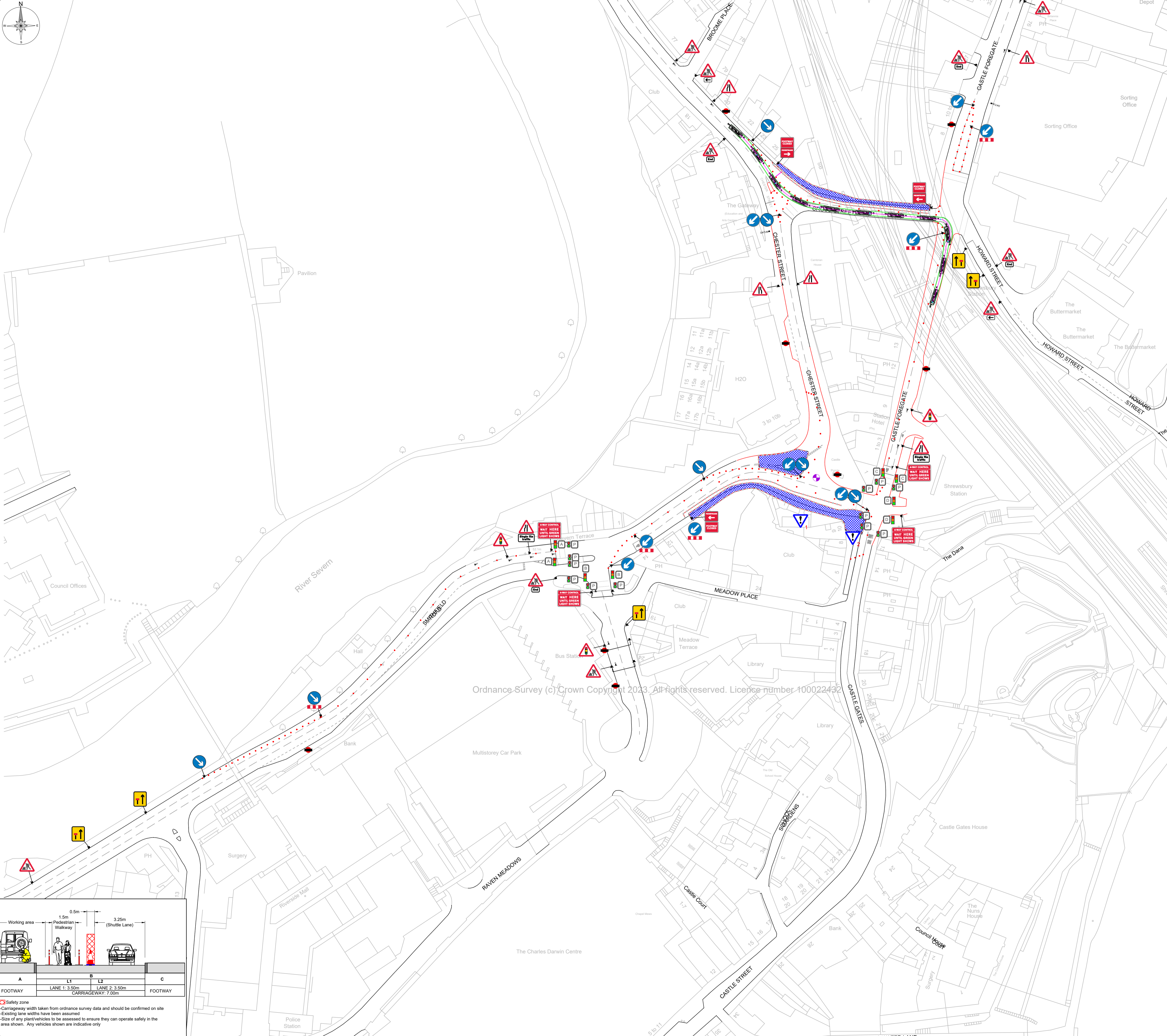
- During darkness, warning lights to BS EN 12352:2006 should be provided in accordance with Table A1.3 (Appendix 1).
- 45° tapers have 1.2m spacing, no relaxations.
- On motorways and NSL AP Quads with hard shoulders, 1m cones will be required for both standard and relaxation works for lead tapers and the facing wall of lane changes.

Notes:

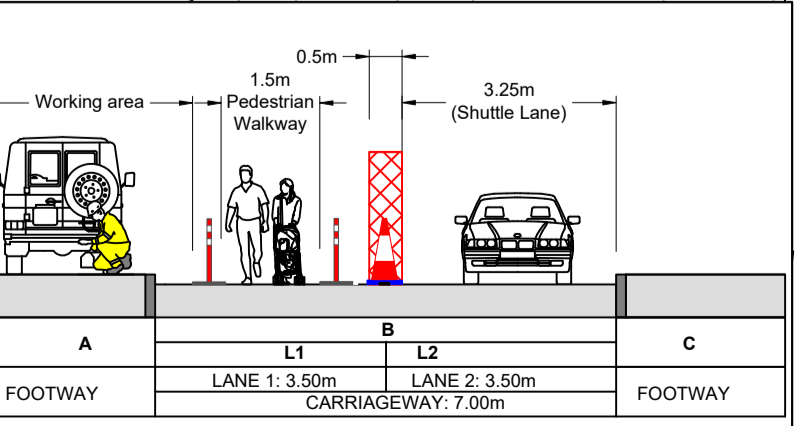
- During darkness, warning lights to BS EN 12352:2006 should be provided in accordance with Table A1.3 (Appendix 1).
- For relaxation to Detail C1 see Table A1.3 (Appendix 1).

Notes:

- During darkness, warning lights to BS EN 12352:2006 should be provided in accordance with Table A1.3.



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Safety zone

- Carriageway width taken from ordnance survey data and should be confirmed on site
- Existing lane widths have been assumed
- Size of any plant/vehicles to be assessed to ensure they can operate safely in the area shown. Any vehicles shown are indicative only

Works to be done half and half to allow access to frontages

Works to be done half and half to allow use of crossings
Bus stop(s) are to be suspended and the appropriate signage installed in suitable locations to be agreed on site.

Rev	Date	Comments	By	Chk

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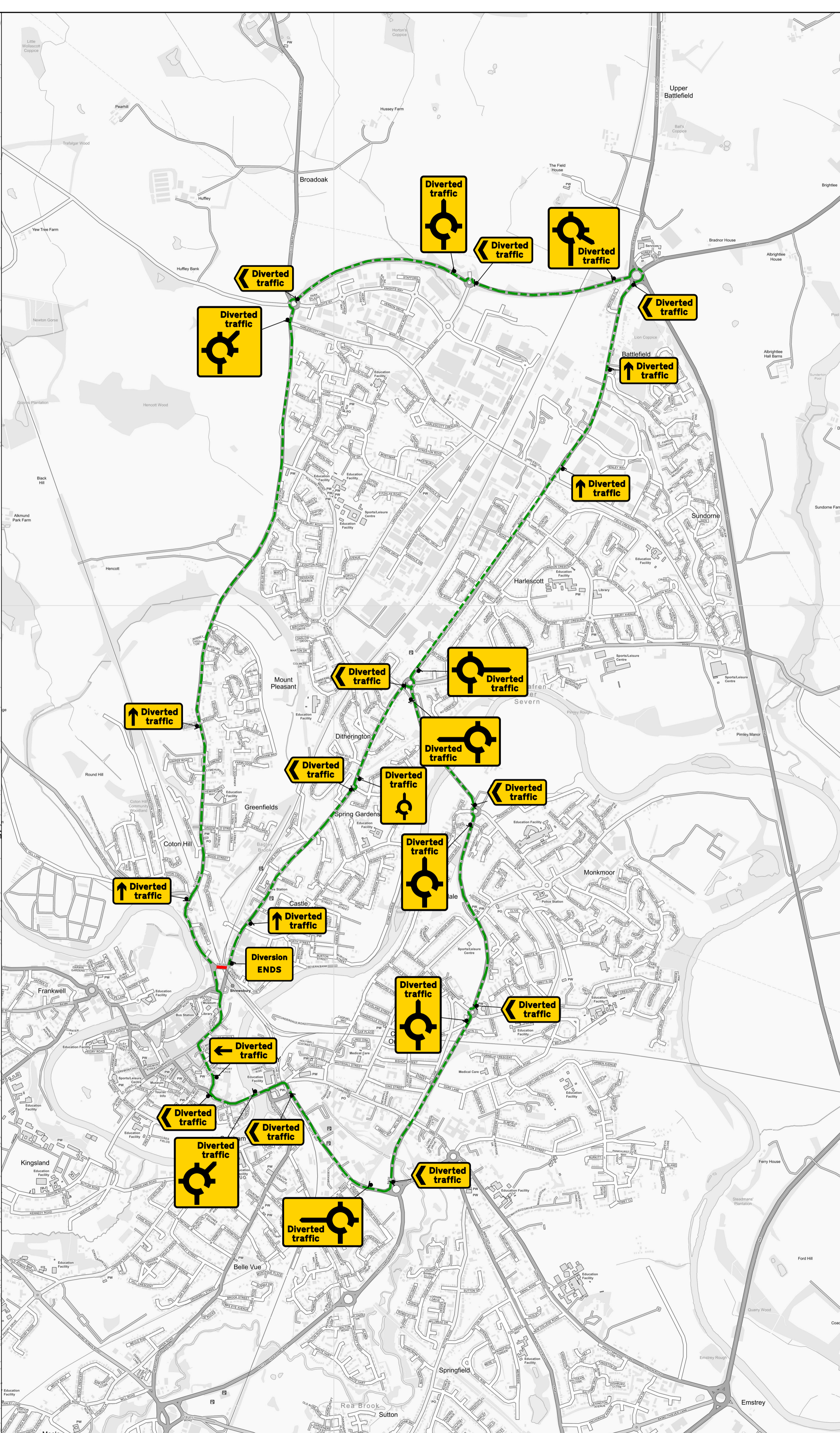
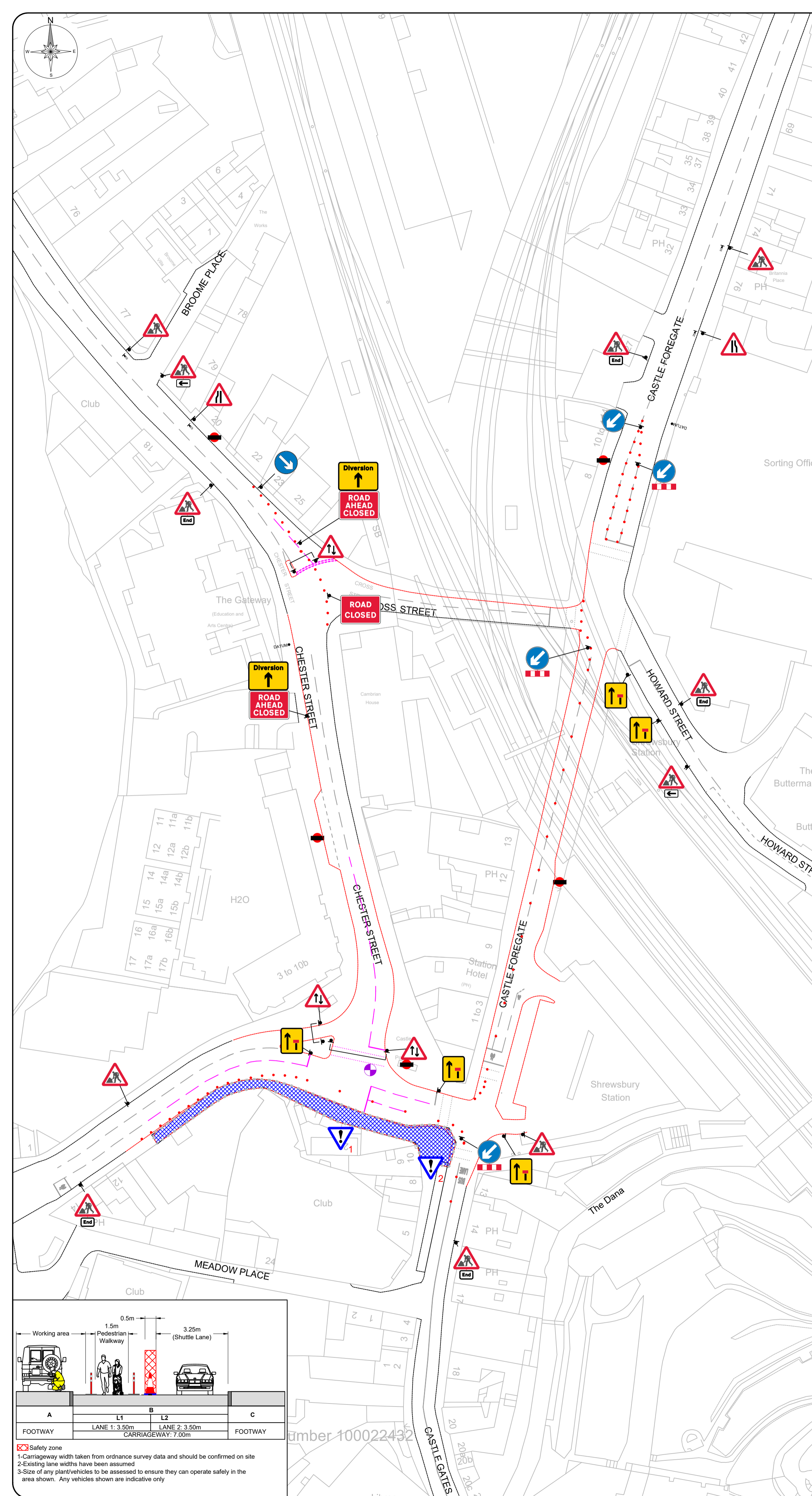
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info@traffix.com | www.traffix.com

Project title:
Riverside & Station Quarter Traffic Management: Zone 7 & 3

Drawing title:
Proposed Footway & Lane Closure Castle Foregate Shrewsbury SY1 2AT

Date: 19/10/2023	Scale: 1:1000	Page: A1
Drawn: MO	Checked: BN	Approved: SA
Project Number: TFX SA9863	Drawing Number: 502	Revision: -

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All traffic management shall comply with all current legislation and guidance including Chapter 8, Safety at Street Works and Road Works (A Code of Practice).

Pedestrian management to be installed and managed to suit site conditions in accordance with current legislation & codes of practice by the contractor unless otherwise stated.

All signage and road markings shall conform with the Traffic Signs Regulations and General Directions (TSRGD).

Sign locations are indicative only, exact location to be determined on site.

Suitably qualified operative to assess site to ensure the installation complies with all current legislation. Any issues and/or changes from the original design should be immediately reported to the relevant contracts manager/designer.

This design is only valid for 12 months from date of production and should be re-evaluated if installation is to take place after this period.

Size of signage:
Single carriageway permanent speed limit as shown below (or less)

900mm	750mm	900mm
-------	-------	-------

Key:

	Works Area		Temporary Traffic Signal
	Closure		Stop & Go Board
	Vehicular Diversion Route		Temporary Ped Signal
	Ped Diversion Route		Existing Bus Stop
	Cone		Temporary Sign
	Datum Point		Pedestrian Barrier

Site information:

NSG	Castle Foregate, Shrewsbury
Local Authority	Shropshire CC
USRN	34700205
Road Type	Single lane carriageway Road Width 7.00m
Works Location	X:349420 Y:313008
Surveyed	<input checked="" type="checkbox"/> Bus Stop(s) <input checked="" type="checkbox"/> Parked Vehicles <input checked="" type="checkbox"/>
Perm Signals	<input checked="" type="checkbox"/> Controlled Crossing <input checked="" type="checkbox"/> Cycle Lanes <input checked="" type="checkbox"/>

SIGN SCHEDULE

Qty: 1 Ref: 10.1.1	Start of temporary diversion	
Qty: 2 Ref: 10.1.2	End of temporary diversion	
Qty: 1 Ref: 10.1.3	Start of temporary diversion	
Qty: 1 Ref: 10.1.4	End of temporary diversion	
Qty: 1 Ref: 10.1.5	Start of temporary diversion	
Qty: 1 Ref: 10.1.6	End of temporary diversion	
Qty: 1 Ref: 10.1.7	Start of temporary diversion	
Qty: 1 Ref: 10.1.8	End of temporary diversion	
Qty: 1 Ref: 10.1.9	Start of temporary diversion	
Qty: 1 Ref: 10.1.10	End of temporary diversion	
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Qty: 1 Ref: 10.1.12	End of temporary diversion	
Qty: 1 Ref: 10.1.13	Start of temporary diversion	
Qty: 1 Ref: 10.1.14	End of temporary diversion	
Qty: 1 Ref: 10.1.15	Start of temporary diversion	
Qty: 1 Ref: 10.1.16	End of temporary diversion	
Qty: 1 Ref: 10.1.17	Start of temporary diversion	
Qty: 1 Ref: 10.1.18	End of temporary diversion	
Qty: 1 Ref: 10.1.19	Start of temporary diversion	
Qty: 1 Ref: 10.1.20	End of temporary diversion	
Qty: 1 Ref: 10.1.21	Start of temporary diversion	
Qty: 1 Ref: 10.1.22	End of temporary diversion	
Qty: 1 Ref: 10.1.23	Start of temporary diversion	
Qty: 1 Ref: 10.1.24	End of temporary diversion	
Qty: 1 Ref: 10.1.25	Start of temporary diversion	
Qty: 1 Ref: 10.1.26	End of temporary diversion	
Qty: 1 Ref: 10.1.27	Start of temporary diversion	
Qty: 1 Ref: 10.1.28	End of temporary diversion	
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Qty: 1 Ref: 10.1.97	Start of temporary diversion	
Qty: 1 Ref: 10.1.98	End of temporary diversion	
Qty: 1 Ref: 10.1.99	Start of temporary diversion	
Qty: 1 Ref: 10.1.100	End of temporary diversion	

Safety information:

Min width of sideways safety zone (S)	0.5m
Min length of longways clearance (L)	0.5m
Castle Foregate	50
Cheshire Street	30
Castle Gate	30
Smithfield Road	50

Chapter 8 details:

Detail B

Single/Dual carriageway 40mph or less - 450mm traffic cones.
Single/Dual carriageway 50mph or more - 750mm traffic cones.
Dual carriageway national speed limit - 750mm traffic cones.
relaxation 3m.

Notes:

- During darkness, warning lights to BS EN 12352:2006 should be provided in accordance with Table A1.3 (Appendix 1).
- 45° tapers have 1.2m spacing, no relaxations.
- On motorways and NSL AP Quads with hard shoulders, 1m cones will be required for both standard and relaxation works for lead tapers and the facing wall of lane changes.

Detail C1

Single/Dual carriageway 40mph or less - 450mm traffic cones.
Single/Dual carriageway 50mph or more - 750mm traffic cones.
relaxation 3m.

Notes:

- During darkness, warning lights to BS EN 12352:2006 should be provided in accordance with Table A1.3 (Appendix 1).
- For relaxation to Detail C1 see Table A1.3 (Appendix 1).

Detail C2

Single carriageway 40mph or less - 450mm traffic cones.
Single/Dual carriageway 50mph or more - 750mm traffic cones.

Notes:

- During darkness, warning lights to BS EN 12352:2006 should be provided in accordance with Table A1.3.

Revision Table:

Rev	Date	Comments	By	Chk

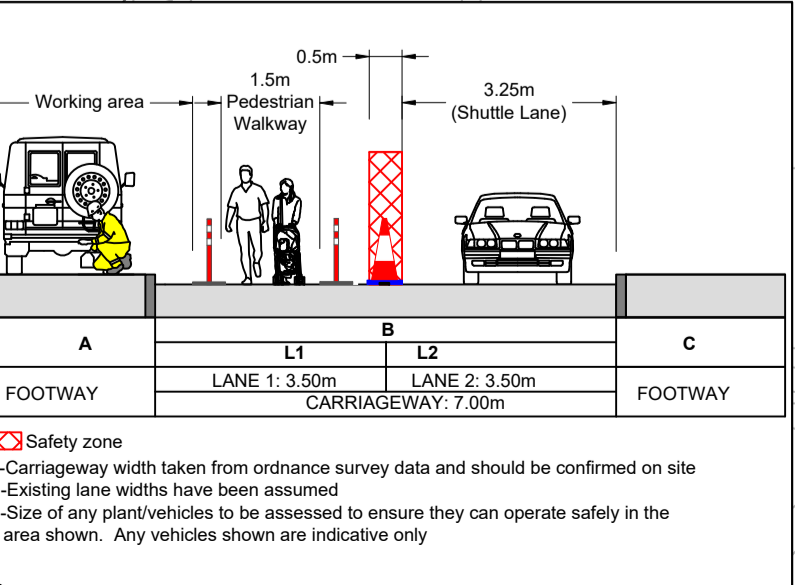
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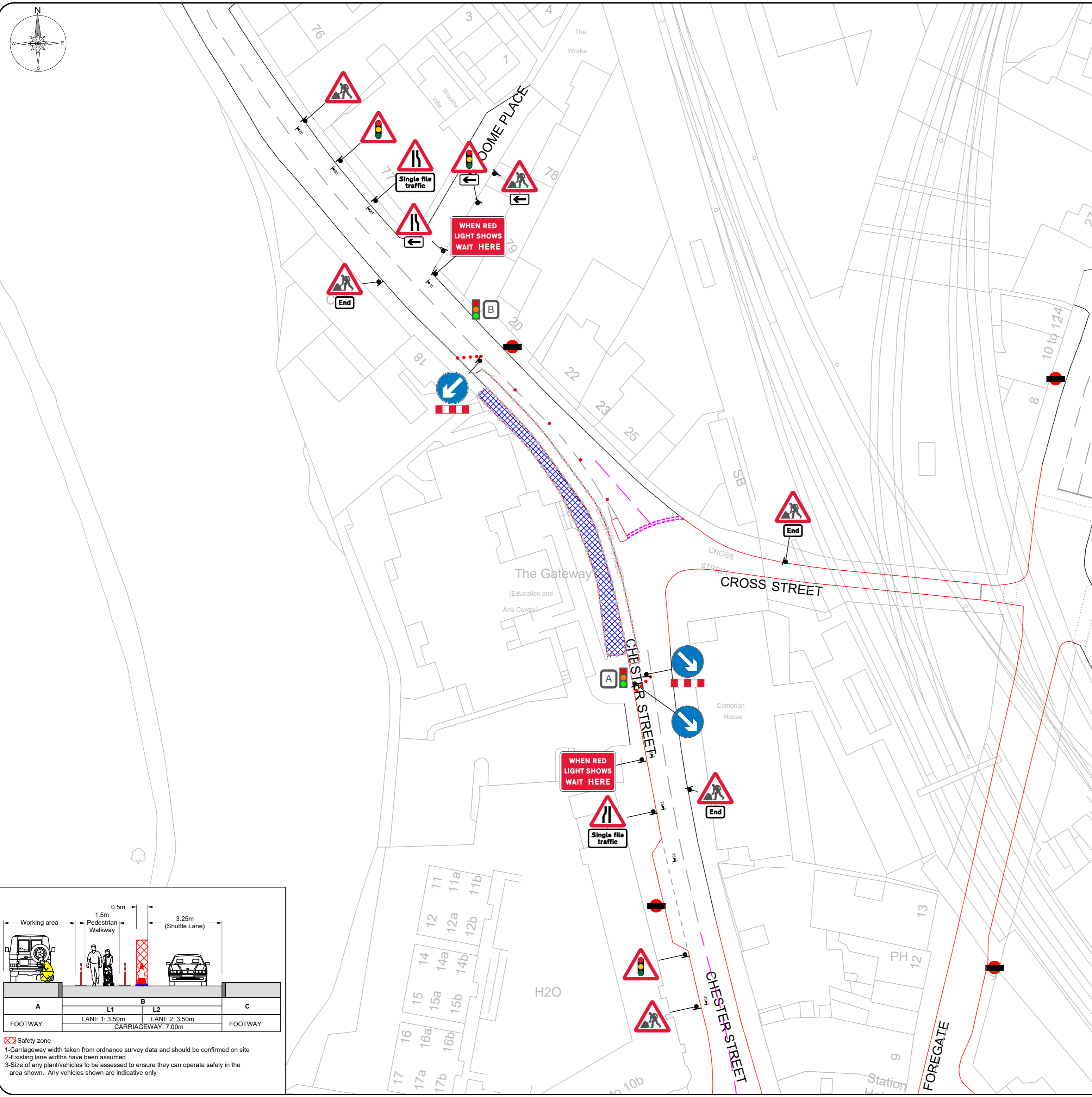
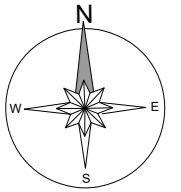
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info@traffix.co.uk | www.traffix.co.uk

Project info:
Riverside & Station Quarter
Traffic Management, Zone 8 & 3
Drawing title:
Proposed Footway & Lane Closure
Castle Foregate
Shrewsbury
SY1 2AT

Date: 19/10/2023	Scale: 1:1000	Paper: A1
Drawn: MO	Checked: BN	Approved: SA
Project Number: TFX SA9863	Drawing Number: 601	Revision: -

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Desktop survey undertaken from google street view with imagery dated: December 2022

All traffic management shall comply with all current legislation and guidance including Chapter 8, Safety at Street Works and Road Works (A Code of Practice).

Pedestrian management to be installed and managed to suit site conditions in accordance with current legislation & codes of practice by the contractor unless otherwise stated.

All signage and road markings shall conform with the Traffic Signs Regulations and General Directions (TSRGD).

Sign locations are indicative only, exact location to be determined on site.

Suitably qualified operative to assess site to ensure the installation complies with all current legislation. Any issues and/or changes from the original design should be immediately reported to the relevant contracts manager/designer.

This design is only valid for 12months from date of production and should be re-evaluated if installation is to take place after this period.

Key:

	Works Area		Temporary Traffic Signal
	Closure		Stop & Go Board
	Vehicular Diversion Route		Temporary Ped Signal
	Ped Diversion Route		Existing Bus Stop
	Cone		Temporary Sign
	Datum Point		Pedestrian Barrier

Size of signage:

Single carriageway permanent speed limit as shown below or less)		
30	40	50 or more
600mm	750mm	900mm

Shuttle Lane information:

	Standard: Normal traffic inc buses and HGVs	Restricted: Cars and light vehicles only
Two-way working	6.75m minimum	5.5m minimum
Shuttle working	3.25-3.50m desirable 3.0m absolute min	3.25m desirable 2.5m absolute min

Vehicle Actuated (VA) Temporary Traffic Light Phase Timings

Phase	Red Time	Green Time
A	10 seconds	40 seconds
B	10 seconds	40 seconds

Timings may be adjusted on site to suit traffic flow/conditions if required by a suitably qualified operative

Staging Diagram

Stage 1	Stage 2	Stage 3	Stage 4	Stage 5
Phase A	Phase B	N/A	N/A	N/A

Phase A: 50m Phase B: 50m

SIGN SCHEDULE

Qty: 1 Ref: 517 Road narrows on one side only ahead - left	
Qty: 2 Ref: 517 Road narrows on one side only ahead - right	
Qty: 2 Ref: 518 Single file traffic	
Qty: 3 Ref: 543 Traffic signals ahead	
Qty: 3 Ref: 573 Direction to hazard left	
Qty: 2 Ref: 610 Keep right	
Qty: 1 Ref: 610 Keep left	
Qty: 3 Ref: 645 End panel	
Qty: 6 Ref: 701 Road works ahead	
Qty: 2 Ref: 701 When Red Light Shows Wait Here	
Qty: 2 Ref: 7105 Lane closure barrier	

Safety information:

Min width of sideways safety zone (S)	0.5m
Min length of longways clearance (L)	0.5m
Castle Foregate	30
Cheshire Street	30
Castle Gate	30
Smithfield Road	30

Site information:

NSG	Castle Foregate, Shrewsbury	
Local Authority	Shropshire CC	
USRN	34700205	
Road Type	Single lane carriageway	Road Width 7.00m
Works Location	X:349420	Y:313008
Surveyed	<input checked="" type="checkbox"/> Bus Stop(s)	<input checked="" type="checkbox"/> Parked Vehicles
Perm Signals	<input checked="" type="checkbox"/> Controlled Crossing	<input checked="" type="checkbox"/> Cycle Lanes

Chapter 8 details:

Detail B (B)

Single/Dual carriageway 40mph or less - 450mm traffic cones.
Single/Dual carriageway 50mph or more - 750mm traffic cones.
Dual carriageway national speed limit - 750mm traffic cones.
relaxation 3m.

Notes:
1) During darkness, warning lights to BS EN 12352:2006 should be provided in accordance with Table A1.3 (Appendix 1).
2) 45° tapers have 1.2m spacing, no relaxations.
3) On motorways and NSL AP duals with hard shoulders, 1m cones will be required for both standard and relaxation works for lead tapers and the facing wall of lane changes.

Detail C1 (C1)

Single/Dual carriageway 40mph or less - 450mm traffic cones.
Single/Dual carriageway 50mph or more - 750mm traffic cones.

Notes:
1) During darkness, warning lights to BS EN 12352:2006 should be provided in accordance with Table A1.3 (Appendix 1).
2) For relaxation to Detail C1 see Table A1.3 (Appendix 1).

Detail C2 (C2)

Single carriageway 40mph or less - 450mm traffic cones.
Single/Dual carriageway 50mph or more - 750mm traffic cones.

Notes:
1) During darkness, warning lights to BS EN 12352:2006 should be provided in accordance with Table A1.3.

Rev	Date	Comments	By	Chk

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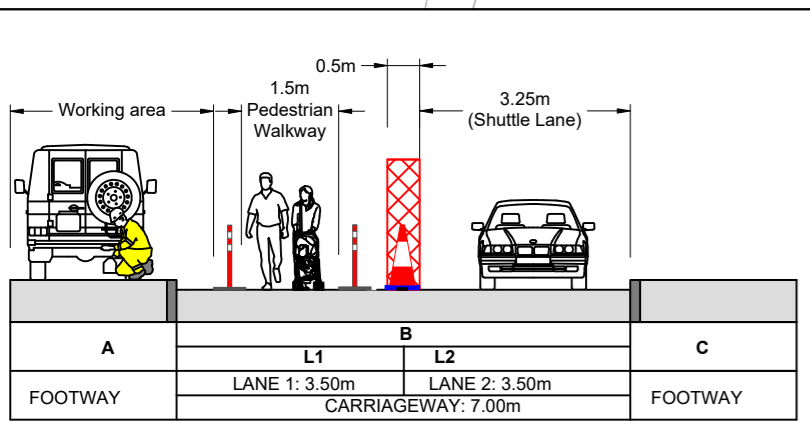
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Project title:
Riverside & Station Quarter
Traffic Management: Zone 4b

Drawing title:
Proposed Two Way Lights
Castle Foregate
Shrewsbury
SY1 2AT

Date: 19/10/2023	Scale: 1:750	Paper: A2
Drawn: MO	Checked: BN	Approved: SA
Project Number: TFX SA9863	Drawing Number: 701	Revision: -

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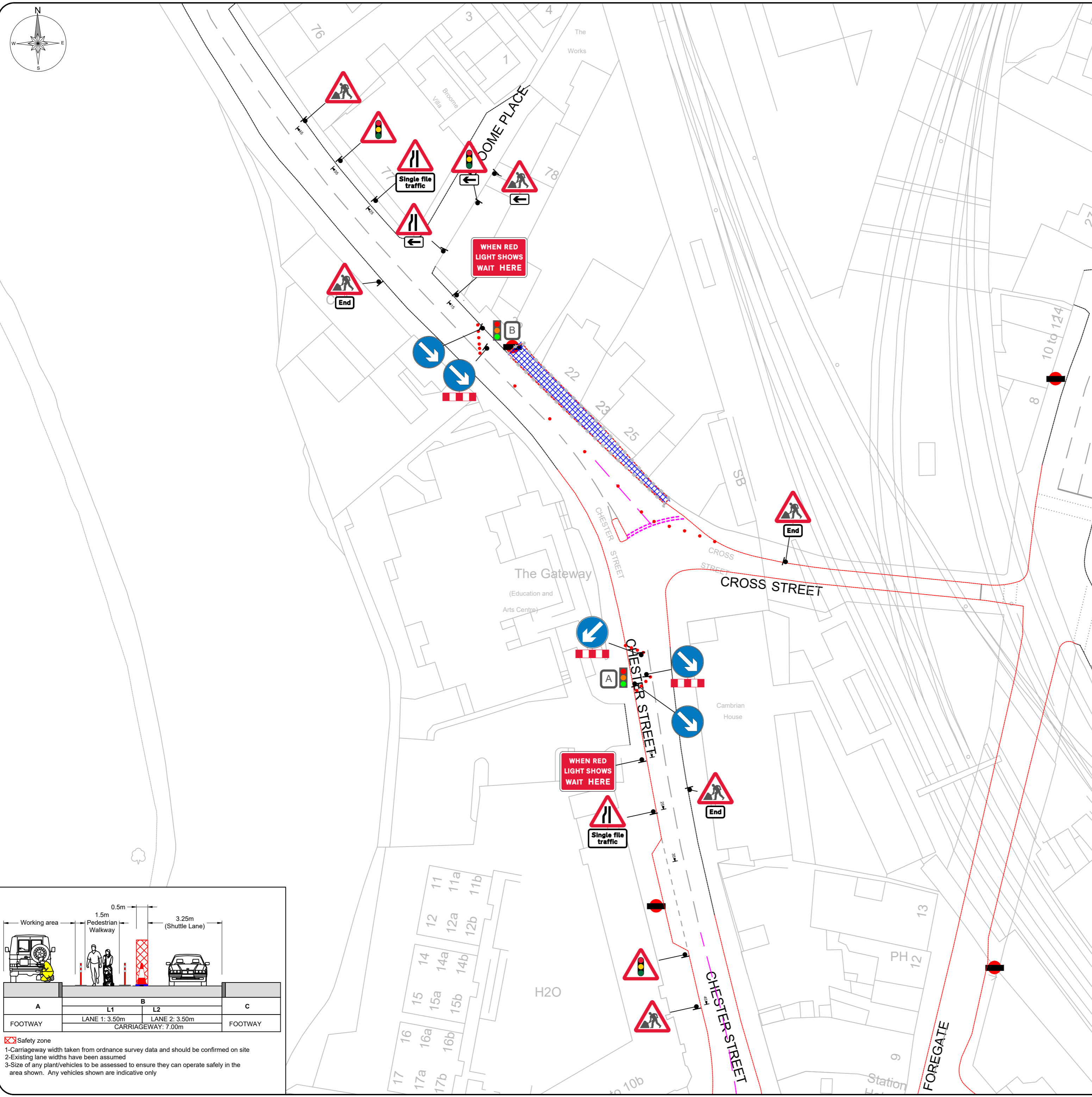
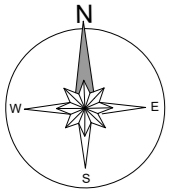
Safety zone

- Carriageway width taken from ordnance survey data and should be confirmed on site
- Existing lane widths have been assumed
- Size of any plant/vehicles to be assessed to ensure they can operate safely in the area shown. Any vehicles shown are indicative only

1 Works to be done half and half to allow access to frontages

2 Works to be done half and half to allow use of crossings

Bus stop(s) are present/in close proximity to the works. Bus stop(s) are to be suspended and the appropriate signage installed in suitable locations to be agreed on site.



Desktop survey undertaken from google street view with imagery dated: December 2022

All traffic management shall comply with all current legislation and guidance including Chapter 8, Safety at Street Works and Road Works (A Code of Practice).

Pedestrian management to be installed and managed to suit site conditions in accordance with current legislation & codes of practice by the contractor unless otherwise stated.

All signage and road markings shall conform with the Traffic Signs Regulations and General Directions (TSRGD).

Sign locations are indicative only, exact location to be determined on site.

Suitably qualified operative to assess site to ensure the installation complies with all current legislation. Any issues and/or changes from the original design should be immediately reported to the relevant contracts manager/designer.

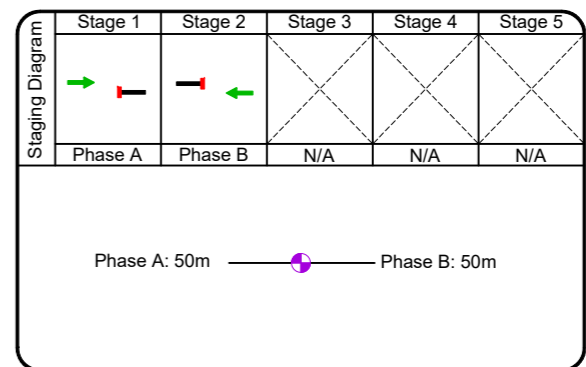
This design is only valid for 12months from date of production and should be re-evaluated if installation is to take place after this period.

Size of signage:		
Single carriageway permanent speed limit as shown below or less)		
30	40	50 or more
600mm	750mm	900mm

Shuttle Lane information:		
	Standard: Normal traffic inc buses and HGVs	Restricted: Cars and light vehicles only
Two-way working	6.75m minimum	5.5m minimum
Shuttle working	3.25-3.50m desirable 3.0m absolute min	3.25m desirable 2.5m absolute min

Vehicle Actuated (VA) Temporary Traffic Light Phase Timings		
Phase	Red Time	Green Time
A	10 seconds.	40 seconds.
B	10 seconds.	40 seconds.

Timings may be adjusted on site to suit traffic flow/conditions if required by a suitably qualified operative



SIGN SCHEDULE	
Qty: 3 Ref: 517 Road narrows on one side only ahead - left	
Qty: 2 Ref: 518 Single file traffic	
Qty: 3 Ref: 543 Traffic signals ahead	
Qty: 3 Ref: 573 Direction to hazard left	
Qty: 4 Ref: 610 Keep right	
Qty: 1 Ref: 610 Keep left	
Qty: 3 Ref: 645 End panel	
Qty: 6 Ref: 701 Road works ahead	
Qty: 2 Ref: 701 When Red Light Shows Wait Here	
Qty: 3 Ref: 7105 Lane closure barrier	

Key:		
	Works Area	
	Closure	
	Vehicular Diversion Route	
	Ped Diversion Route	
	Cone	
	Datum Point	

Safety information:	
Min width of sideways safety zone (S)	0.5m
Min length of longways clearance (L)	0.5m
Castle Foregate	30
Cheshire Street	30
Castle Gate	30
Smithfield Road	30

Site information:	
NSG	Castle Foregate, Shrewsbury
Local Authority	Shropshire CC
USRN	34700205
Road Type	Single lane carriageway
Road Width	7.00m
Works Location	X:349420 Y:313008
Surveyed	<input checked="" type="checkbox"/> Bus Stop(s) <input checked="" type="checkbox"/> Parked Vehicles <input checked="" type="checkbox"/>
Perm Signals	<input checked="" type="checkbox"/> Controlled Crossing <input checked="" type="checkbox"/> Cycle Lanes <input checked="" type="checkbox"/>

Chapter 8 details:

Detail B (B)

Single/Dual carriageway 40mph or less-450mm traffic cones. Single/Dual carriageway 50mph or more-750mm traffic cones. Dual carriageway national speed limit - 750mm traffic cones. relaxation 3m.

Notes:
1) During darkness, warning lights to BS EN 12352:2006 should be provided in accordance with Table A1.3 (Appendix 1).
2) 45° tapers have 1.2m spacing, no relaxations.
3) On motorways and NSL AP duals with hard shoulders, 1m cones will be required for both standard and relaxation works for lead tapers and the facing wall of lane changes.

Detail C1 (C1)

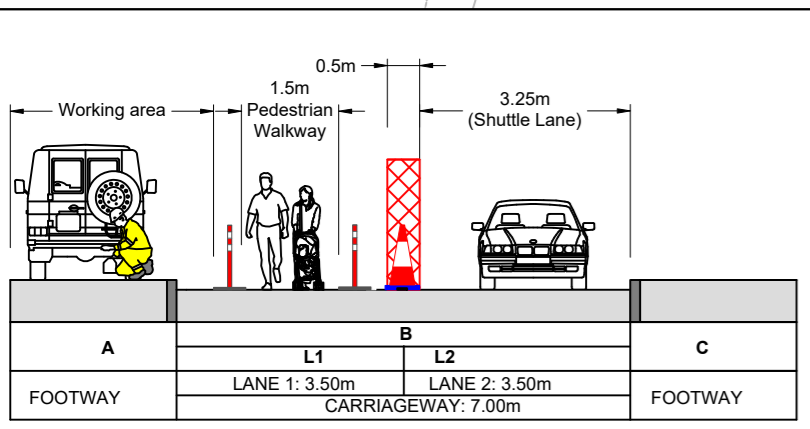
Single/Dual carriageway 40mph or less - 450mm traffic cones. Single/Dual carriageway 50mph or more - 750mm traffic cones.

Notes:
1) During darkness, warning lights to BS EN 12352:2006 should be provided in accordance with Table A1.3 (Appendix 1).
2) For relaxation to Detail C1 see Table A1.3 (Appendix 1).

Detail C2 (C2)

Single carriageway 40mph or less - 450mm traffic cones. Single/Dual carriageway 50mph or more - 750mm traffic cones.

Notes:
1) During darkness, warning lights to BS EN 12352:2006 should be provided in accordance with Table A1.3.



Safety zone

1-Carriageway width taken from ordnance survey data and should be confirmed on site
2-Existing lane widths have been assumed
3-Size of any plant/vehicles to be assessed to ensure they can operate safely in the area shown. Any vehicles shown are indicative only

- 1 Works to be done half and half to allow access to frontages
 - 2 Works to be done half and half to allow use of crossings
- Bus stop(s) are present/in close proximity to the works. Bus stop(s) are to be suspended and the appropriate signage installed in suitable locations to be agreed on site.

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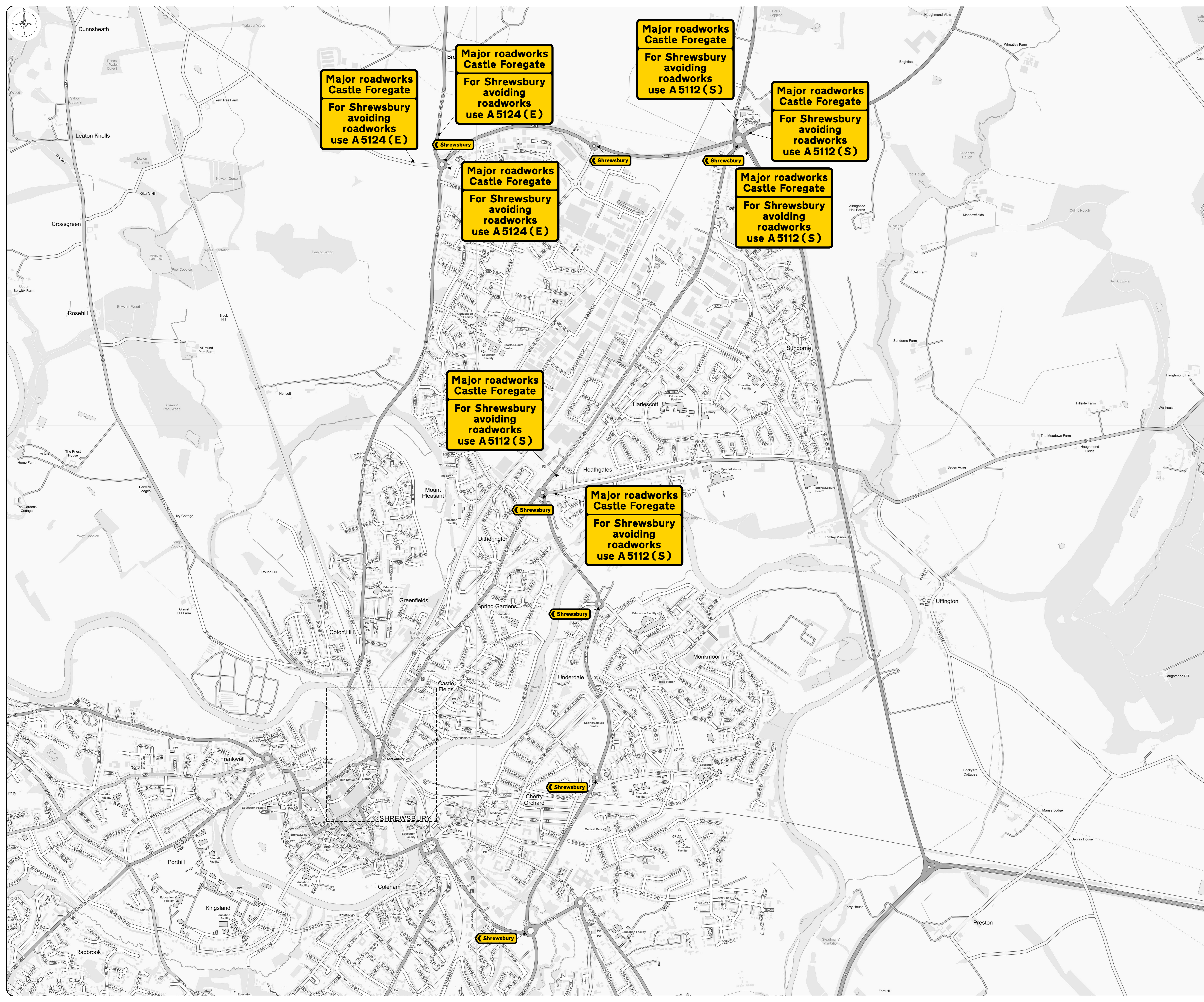
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Project title:		
Riverside & Station Quarter Traffic Management: Zone 4b		
Drawing title:		
Proposed Two Way Lights Castle Foregate Shrewsbury SY1 2AT		
Date: 19/10/2023	Scale: 1:750	Paper: A2
Drawn: MO	Checked: BN	Approved: SA
Project Number: TFX SA9863	Drawing Number: 701	Revision: -

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Desktop survey undertaken from google street view with imagery latest December 2022

All traffic management shall comply with all current legislation and guidance including Chapter 8. Safety at Street Works and Road Works (A Code of Practice).

Professional management to be installed and managed to suit site conditions in accordance with current legislation & codes of practice by the contractor unless otherwise stated.

All signage and road markings shall conform with the Traffic Signs Regulations and General Directions (TSRD).

Sign locations are indicative only, exact location to be determined on site.

Subsidiary qualified operative to assess site to ensure the installation complies with all current legislation. Any issues or other changes from the original design should be immediately reported to the relevant contracts manager/manager.

This design is only valid for 12months from date of production and should be re-evaluated if installation is to take place after this period.

Coppice

SIGN SCHEDULE	
TSR 111	TSR 111
TSR 112	TSR 112
TSR 113	TSR 113
TSR 114	TSR 114
TSR 115	TSR 115
TSR 116	TSR 116
TSR 117	TSR 117
TSR 118	TSR 118
TSR 119	TSR 119
TSR 120	TSR 120
TSR 121	TSR 121
TSR 122	TSR 122
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TSR 197	TSR 197
TSR 198	TSR 198
TSR 199	TSR 199
TSR 200	TSR 200

Chapter 8 details:

Detail E
 Single/Dual carriageway 40mph or less - 450mm traffic cones.
 Single/Dual carriageway 50mph or more - 750mm traffic cones.
 Notes:
 1) During darkness, warning lights to BS EN 12352:2006 should be provided in accordance with Table A1.3 (Appendix 1).
 2) 45° tapered cones have 1.2m spacing, no reflectors.
 3) On motorways and dual carriageways with hard shoulders, 1m cones will be required for both standard and relaxation works to the hard edges and the facing of lane changes.

Detail C1
 Single/Dual carriageway 40mph or less - 450mm traffic cones.
 Single/Dual carriageway 50mph or more - 750mm traffic cones.
 Notes:
 1) During darkness, warning lights to BS EN 12352:2006 should be provided in accordance with Table A1.3 (Appendix 1).
 2) For relaxation to Detail C1 see Table A1.3 (Appendix 1).

Detail C2
 Single/Dual carriageway 40mph or less - 450mm traffic cones.
 Single/Dual carriageway 50mph or more - 750mm traffic cones.
 Notes:
 1) During darkness, warning lights to BS EN 12352:2006 should be provided in accordance with Table A1.3.

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Traffic Management
 Proposed Wider Route Signage
 Castle Foregate
 Shrewsbury
 SY1 2AT

Date	Issue	Author
20/03/2024	Issue	Ad
NO	Checked	Approved
NO	BN	Approved
Project Number	Drawing Number	Revision
TFX SA8963	WR071	

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Appendix C:

Schedule of Photographs

Cross Street low bridge



Castle Forgate



Royal Mail service entrance – Howard Street



Shrewsbury Station



Castle Gates jct Smithfield Road



Smithfield Road jct Chester Street



Chester Street jct Cross Street



Chester Street approach



Appendix D:

Design Risk Assessment

Designers Risk Register

Date 20/20/2024 Revision A

TFX Reference	Works Description	Designer	Checked	Approved
TFX SA9863	Riverside & Station Quarter	Matt Oulton	Carl Metcalf	Matt Oulton

Dwg No.	Road Name	Road Type	Road Speed	Road Width	Site Length	Bus Route	Proposed method of TM	Potential Risks & Assumptions	Surveyed
101	Castle Forgate jct Howard St	Single lane carriageway	30mph	7.00m	55m	Yes	Lane one closure with a footway closure & temporary pedestrian walkway	Desktop survey undertaken from google street view with imagery dated December 2022. No drop kerbs at temp crossing. Requirement for installation of ped ramps. Royal Mail sorting office present within works, potential for large vehicles to be present. Swept path analysis indicates position of TTM will permit large vehicles to navigate the site. Perm light system including pedestrain poles to be decommissioned and replaced with temporary lights due to closures. On street parking on Howard Street to be revoked for duration. Section required is noted on design.	N
102	Castle Forgate jct Howard St	Single lane carriageway	30mph	7.00m	114m	Yes	Lane one closure with a footway closure & temporary pedestrian walkway	Desktop survey undertaken from google street view with imagery dated December 2022. No drop kerbs at temp crossing. Requirement for installation of ped ramps. Royal Mail sorting office present within works, potential for large vehicles to be present. Swept path analysis indicates position of TTM will permit large vehicles to navigate the site. Perm light system including pedestrain poles to be decommissioned and replaced with temporary lights due to closures. On street parking on Howard Street to be revoked for duration. Section required is noted on design. British Transport Police parking bay & station door located at Station end of works. These are to remain open and unobstructed through out works. Signage will need to be installed outside of Shrewsbury train station, this MUST be done with extreme care to ensure it is clearly visible but creates minimal obstruction.	N
103	Castle Forgate jct Howard St	Single lane carriageway	30mph	7.00m	47m	Yes	Lane one closure with a footway closure & temporary pedestrian diversion	Desktop survey undertaken from google street view with imagery dated December 2022. No drop kerbs at temp crossing. Requirement for installation of ped ramps. Perm light system including pedestrain poles to be decommissioned and replaced with temporary lights due to closures.	N
201	Castle Forgate jnc Cross St	Single lane carriageway	30mph	7.00m	35m	Yes	Lane one closure with a footway closure & temporary pedestrian diversion	Desktop survey undertaken from google street view with imagery dated December 2022. No drop kerbs at temp crossing. Requirement for installation of ped ramps. Perm light system including pedestrain poles to be decommissioned and replaced with temporary lights due to closures. Swept path analysis indicates position of TTM will permit large vehicles to navigate the site. Cross Street is a narrow road under a low bridge with existing height restrictions.	N

202	Castle Forgate jnc Cross St	Single lane carriageway	30mph	7.00m	102m	Yes	Lane one closure with a footway closure & temporary pedestrian diversion	Desktop survey undertaken from google street view with imagery dated December 2022. No drop kerbs at temp crossing. Requirement for installation of ped ramps. Swept path analysis indicates postion of TTM will permit large vehicles to navigate the site. Cross Street is a narrow road under a low bridge with exisiting height restrictions.	N
203	Castle Forgate	Single lane carriageway	30mph	7.00m	67m	Yes	Lane one closure with a footway closure & temporary pedestrian diversion	Desktop survey undertaken from google street view with imagery dated December 2022. No drop kerbs at temp crossing. Requirement for installation of ped ramps. Cross Street is a narrow road under a low bridge with exisiting height restrictions.	N
301	Castle Foregate & Chester Street	Single lane carriageway	30mph	7.00m	250m	Yes	Lane closure with a footway closure & temporary pedestrian diversion. Southern Closure to Chester Road	Desktop survey undertaken from google street view with imagery dated December 2022. No drop kerbs at temp crossing. Requirement for installation of ped ramps. Cross Street is a narrow road under a low bridge with exisiting height restrictions.	N
302	Castle Foregate & Chester Street	Single lane carriageway	30mph	7.00m	379m	Yes	Lane one closure with a footway closure & temporary pedestrian diversion	Desktop survey undertaken from google street view with imagery dated December 2022. No drop kerbs at temp crossing. Requirement for installation of ped ramps. Cross Street is a narrow road under a low bridge with exisiting height restrictions. Closure of Southern direction flow to Chester Road required to facilitate splitter removal(s) and widening works. Closure not suitable for peak/weekday working. Suggest night works	N
401	Castle Foregate & Chester Street	Single lane carriageway	30mph	7.00m	296m	Yes	Lane one closure with a footway closure & temporary pedestrian diversion	Desktop survey undertaken from google street view with imagery dated December 2022. No drop kerbs at temp crossing. Requirement for installation of ped ramps. Cross Street is a narrow road under a low bridge with exisiting height restrictions. Lane restrictions and re-designations required	N
501	Castle Foregate & Chester Street	Single lane carriageway	30mph	7.00m	275m	Yes	Lane closure with a footway closure & temporary pedestrian diversion	Desktop survey undertaken from google street view with imagery dated December 2022. No drop kerbs at temp crossing. Requirement for installation of ped ramps. Cross Street is a narrow road under a low bridge with exisiting height restrictions. Perm light system including pedestrain poles to be decommissioned and replaced with temporary lights due to closures.Swept path analysis indicates position of TTM will permit large vehicles to navigate the site	N
502	Chester Street & Cross Street	Single lane carriageway	30mph	7.00m	275m	Yes	Lane closure with a footway closure & temporary pedestrian diversion	Desktop survey undertaken from google street view with imagery dated December 2022. No drop kerbs at temp crossing. Requirement for installation of ped ramps. Cross Street is a narrow road under a low bridge with exisiting height restrictions. Perm light system including pedestrain poles to be decommissioned and replaced with temporary lights due to closures.Swept path analysis indicates position of TTM will permit large vehicles to navigate the site	N

601	Chester Street	Single lane carriageway	30mph	7.00m	85m	Yes	Lane closure with a footway closure & temporary pedestrian diversion	Desktop survey undertaken from google street view with imagery dated December 2022. No drop kerbs at temp crossing. Requirement for installation of ped ramps. Cross Street is a narrow road under a low bridge with existing height restrictions. Swept path analysis indicates position of TTM will permit large vehicles to navigate the site. Temp road markings required	N
701	Chester Street	Single lane carriageway	30mph	7.00m		Yes	Two Way Lights	Desktop survey undertaken from google street view with imagery dated December 2022. No drop kerbs at temp crossing. Requirement for installation of ped ramps. Cross Street is a narrow road under a low bridge with existing height restrictions. Swept path analysis indicates position of TTM will permit large vehicles to navigate the site. Temp road markings required	N
702	Chester Street	Single lane carriageway	30mph	7.00m		Yes	Two Way Lights	Desktop survey undertaken from google street view with imagery dated December 2022. No drop kerbs at temp crossing. Requirement for installation of ped ramps. Cross Street is a narrow road under a low bridge with existing height restrictions. Swept path analysis indicates position of TTM will permit large vehicles to navigate the site. Temp road markings required	N
801	Chester Street	Single lane carriageway	30mph	Varies		Yes	Road Closure	Desktop survey undertaken from google street view with imagery dated December 2022. No drop kerbs at temp crossing. Requirement for installation of ped ramps. Cross Street is a narrow road under a low bridge with existing height restrictions. Swept path analysis indicates position of TTM will permit large vehicles to navigate the site.	N
802	Chester Street	Single lane carriageway	30mph	Varies		Yes	Road Closure	Desktop survey undertaken from google street view with imagery dated December 2022. No drop kerbs at temp crossing. Requirement for installation of ped ramps. Cross Street is a narrow road under a low bridge with existing height restrictions. Swept path analysis indicates position of TTM will permit large vehicles to navigate the site.	N
803	Chester Street	Single lane carriageway	30mph	Varies		Yes	Road Closure	Desktop survey undertaken from google street view with imagery dated December 2022. No drop kerbs at temp crossing. Requirement for installation of ped ramps. Cross Street is a narrow road under a low bridge with existing height restrictions. Swept path analysis indicates position of TTM will permit large vehicles to navigate the site.	N
804	Chester Street	Single lane carriageway	30mph	Varies		Yes	Road Closure	Desktop survey undertaken from google street view with imagery dated December 2022. No drop kerbs at temp crossing. Requirement for installation of ped ramps. Cross Street is a narrow road under a low bridge with existing height restrictions. Swept path analysis indicates position of TTM will permit large vehicles to navigate the site.	N

