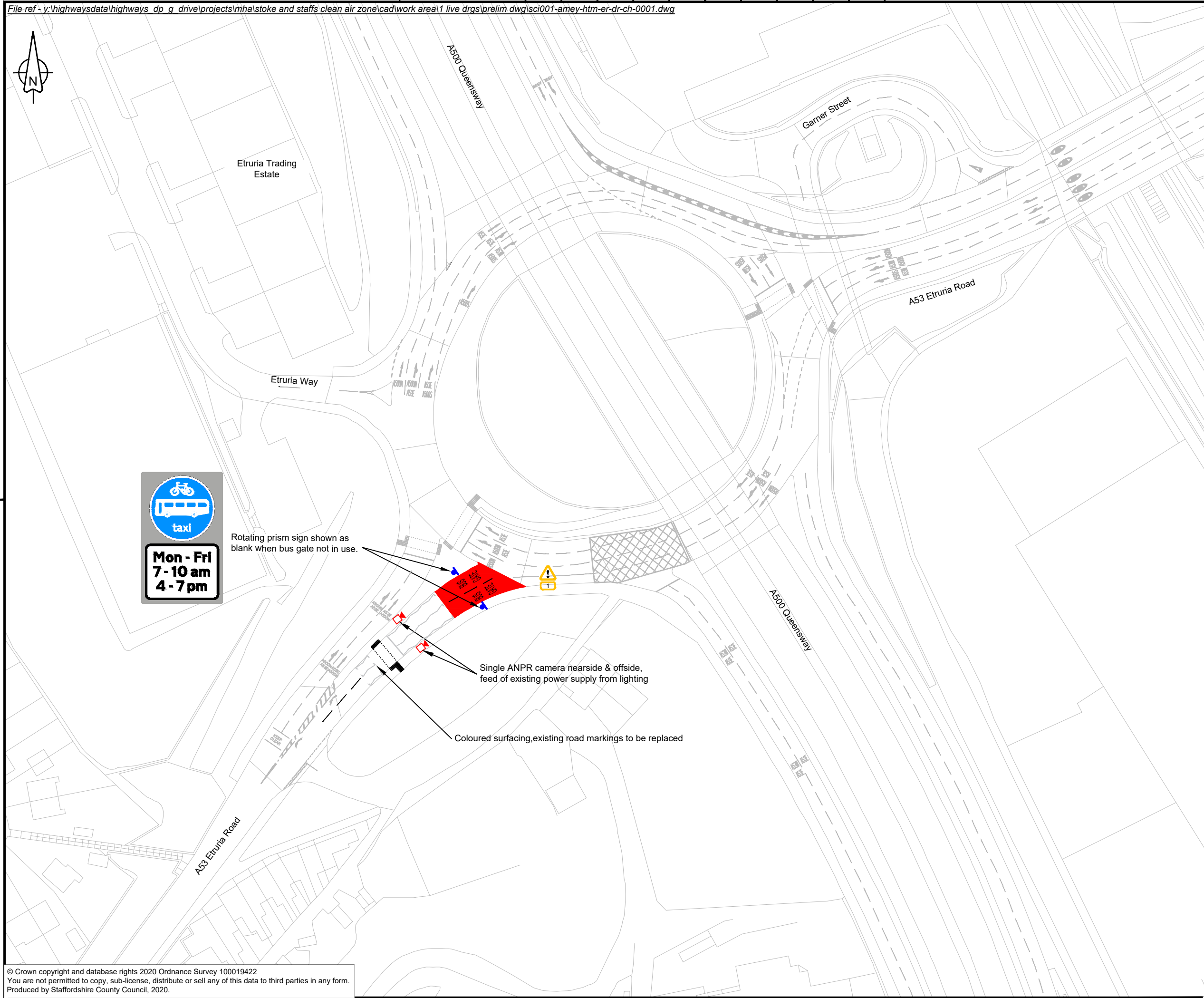


NORTH STAFFORDSHIRE LOCAL AIR QUALITY PLAN

UNAPPROVED OUTLINE BUSINESS CASE
APPENDIX 3b - Indicative Design Drawings





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

- Western Power Distribution 11kV Underground Cable running across A53 Etruria Road.

- NOTES**
- Road markings and traffic signs to be in accordance with TSRGD 2016 and chapter 5 of the Traffic Signs Manual.
 - Existing road markings for the circulatory approaches and exits to be renewed. Lane designation will be indicated by arrows with destinations to be removed. Lane designation to remain as existing.
 - For details of advanced signing, please refer to drawings please refer to: SCI001-AMEY-HSN-ER-DR-CH-001 to 007.

- Key:**
- Bus Gate Surface Course**
Bus Gate surface course to be RED coloured asphalt. Ulticolour 6mm Thin Surfacing System, or similar approved product. Shade to be agreed with Staffordshire County Council prior to application.
 - Proposed Bus Gate Signs with Supplementary Plate
 - Proposed ANPR Cameras

Mon - Fri
7 - 10 am
4 - 7 pm

Rotating prism sign shown as blank when bus gate not in use.

Single ANPR camera nearside & offside, feed of existing power supply from lighting

Coloured surfacing, existing road markings to be replaced

Rev	Rev details	Drwn	Chkd	Appd	Date
	Designed: UH				Date: 13.03.20
	Drawn: UH				Date: 13.03.20
	Checked: HH				Date: 13.03.20
	Approved: OG				Date: 13.03.20

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Client

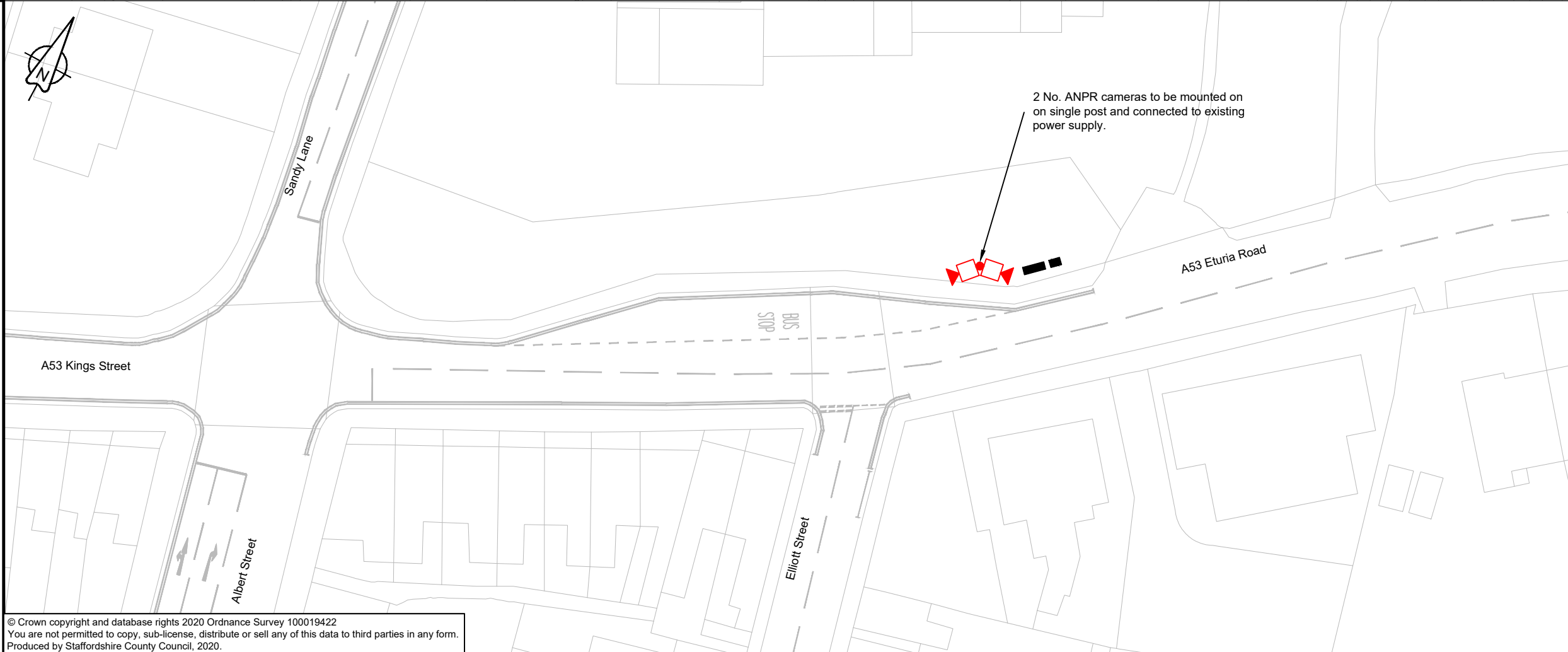
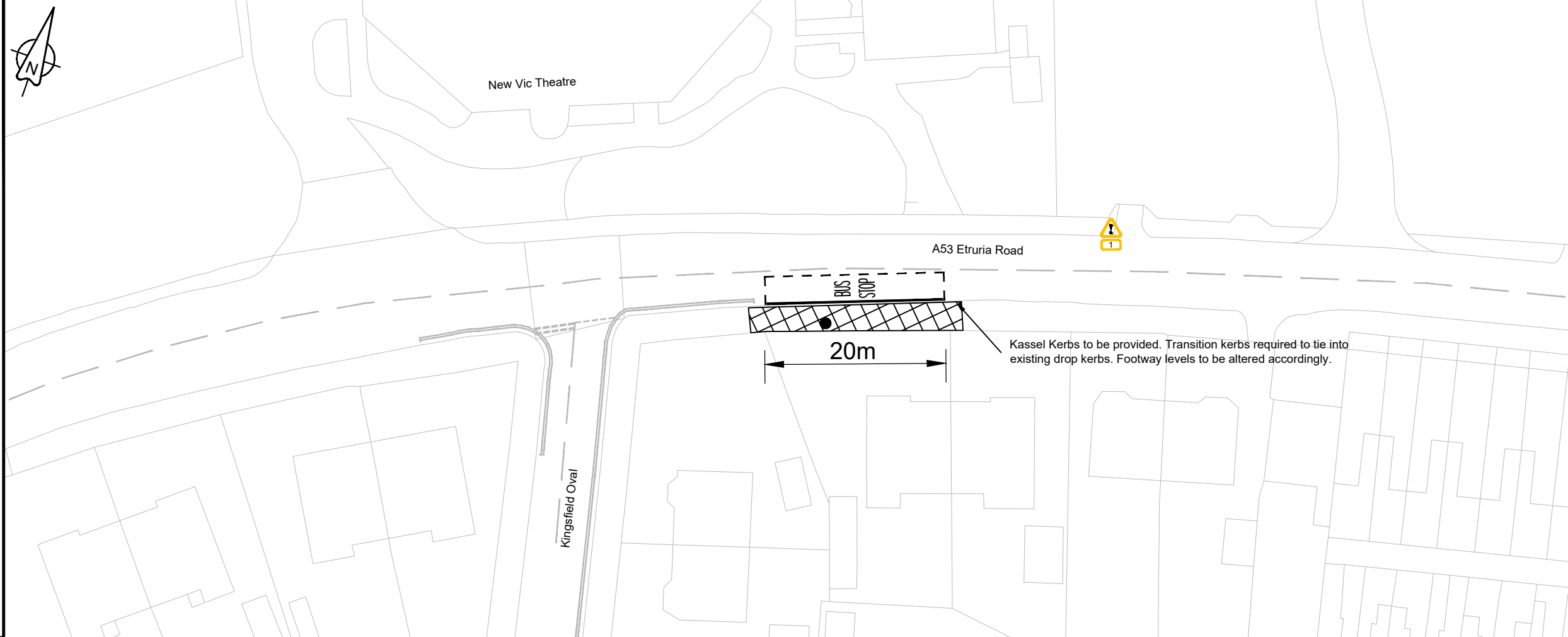
Project Name
**NORTH STAFFORDSHIRE
 LOCAL AIR QUALITY PLAN**

Drawing Title
**A53 ETRURIA ROAD
 BUS GATE**

Original Drg Size : A3 Scale : 1:1000
 Dimensions : -

Drawing Status Suitability
SUITABLE FOR STAGE APPROVAL S4

Drawing No Revision
 SCI001-AMEY-HTM-ER-DR-CH-0001 P01



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

- Western Power Distribution 11kV Underground Cable running across A53 Etruria Road.

- NOTES**
- Road markings to be in accordance with TSRGD 2016 and chapter 5 of the Traffic Signs Manual.
 - Existing road markings to be renewed where required.
 - Existing bus stop located outside 553 Etruria Road to be removed.

Key:

- Proposed ANPR Cameras
- Existing electrical cabinets
- Real Time Passenger Information Board
- Area to be surfaced with 50-150mm Type 1, 50mm AC/20 Binder and 25mm AC/6 surface course.

Rev	Rev details	Drwn	Chkd	Appd	Date

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Staffordshire County Council
 Newcastle Under Lyme
 City of Stoke-on-Trent

Project Name
NORTH STAFFORDSHIRE LOCAL AIR QUALITY PLAN

Drawing Title
A53 ETURIA ROAD / KINGSFIELD OVAL JUNCTION

PROPOSED WEST BOUND BUS STOP RELOCATION

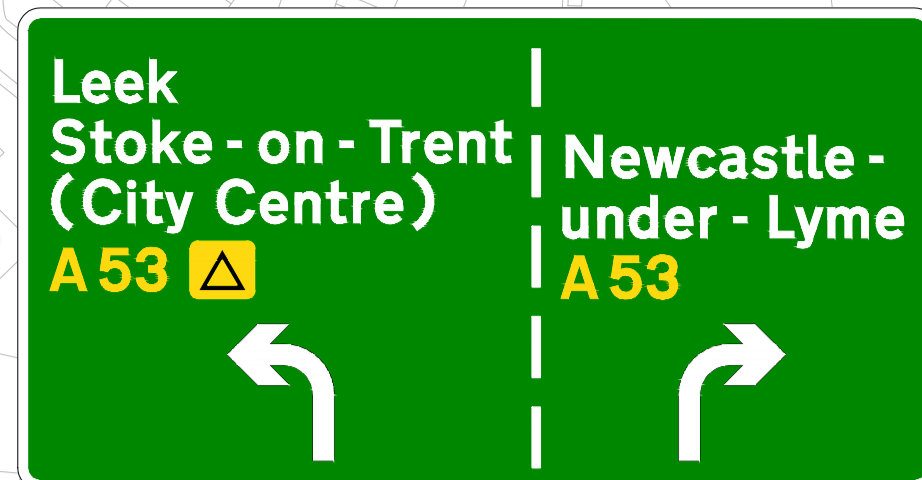
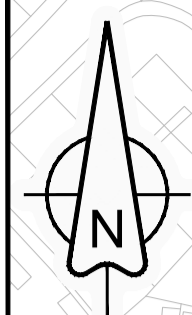
Original Drg Size : A3 Scale : 1:500
 Dimensions : -

Drawing Status
 SUITABLE FOR STAGE APPROVAL

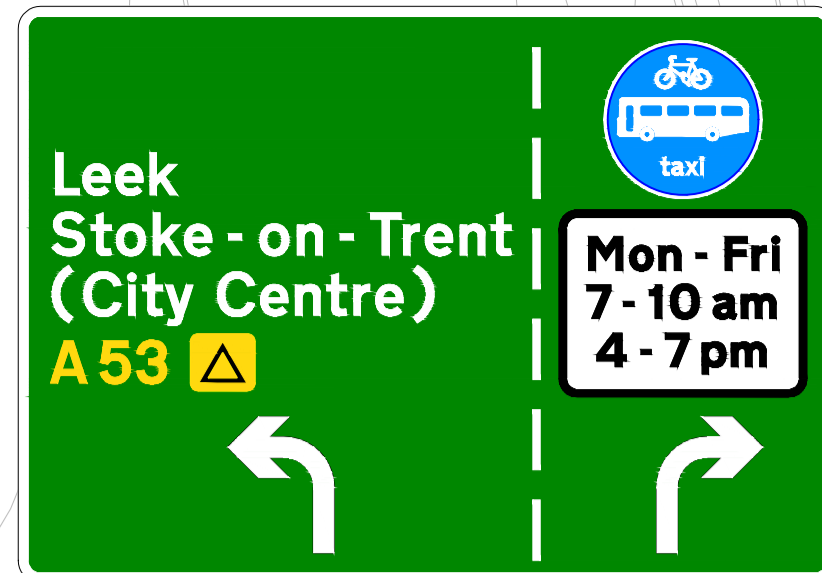
Suitability
S4

Drawing No
 SCI001-AMEY-HTM-ER-DR-CH-0002

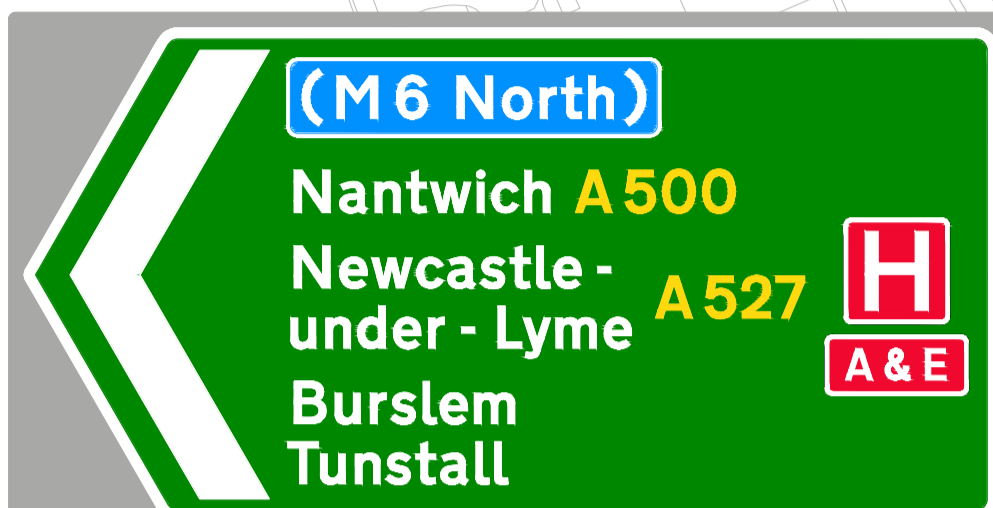
Revision
P01



SIGN FACE WHEN BUS GATE ISN'T IN OPERATION. PRISM SIGN TO BE USED.
SIGN TO BE RELOCATED UP THE SLIP ROAD AS CURRENTLY TOO CLOSE TO THE MAINLINE. PEDESTRIANS CROSSING SIGN WILL ALSO REQUIRE RELOCATION. SIGNIFICANT VEGETATION CLEARANCE IS NEEDED.



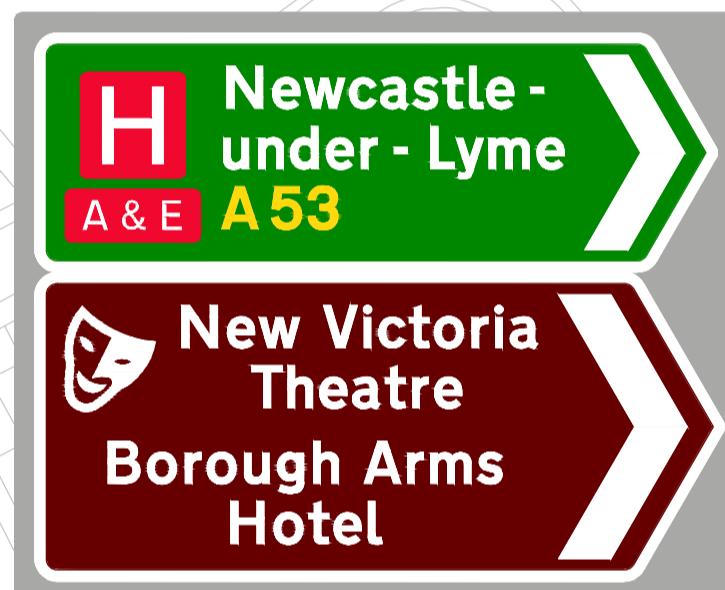
SIGN FACE WHEN BUS GATE IS IN OPERATION. PRISM SIGN TO BE USED.



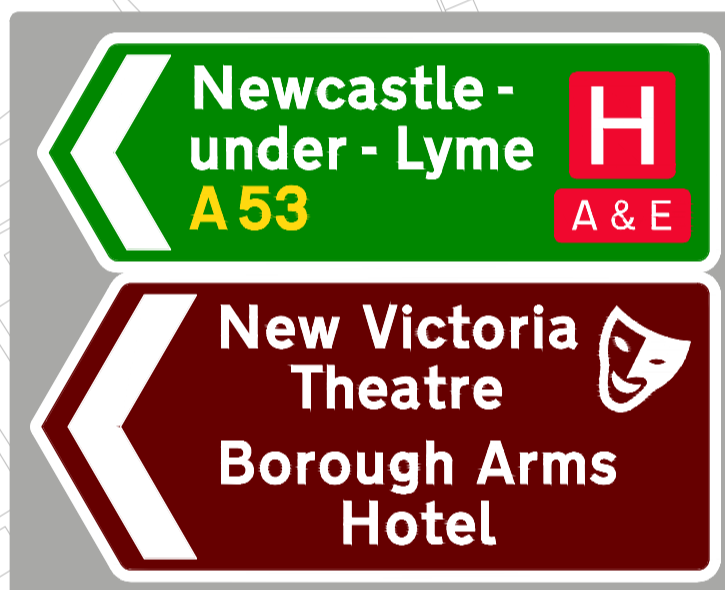
SIGN FACE WHEN BUS GATE IS IN OPERATION. PRISM SIGN TO BE USED.



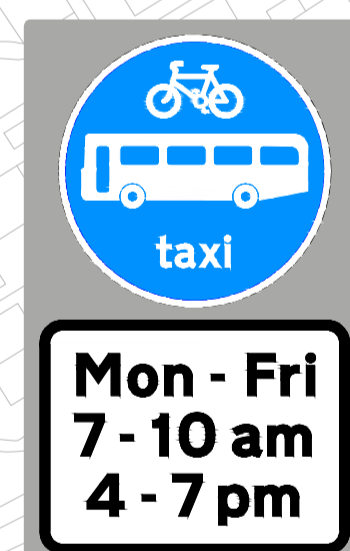
SIGN FACE WHEN BUS GATE ISN'T IN OPERATION. PRISM SIGN TO BE USED.



SIGN FACE WHEN BUS GATE IS IN OPERATION. PRISM SIGN TO BE USED.



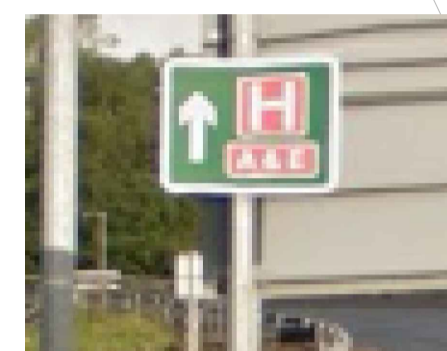
SIGN FACE WHEN BUS GATE ISN'T IN OPERATION. PRISM SIGN TO BE USED.



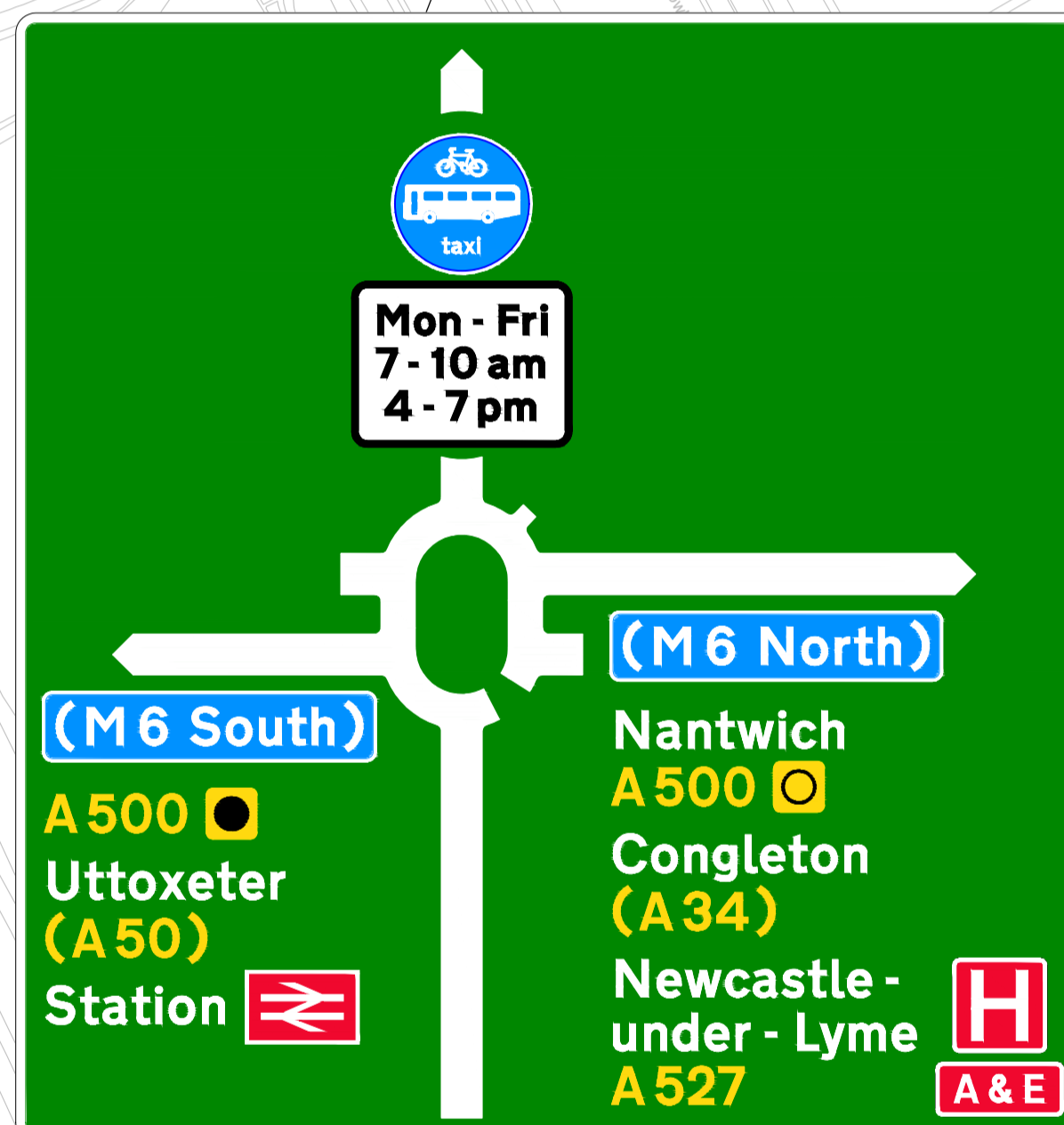
SIGN WHEN BUS GATE ISN'T IN OPERATION



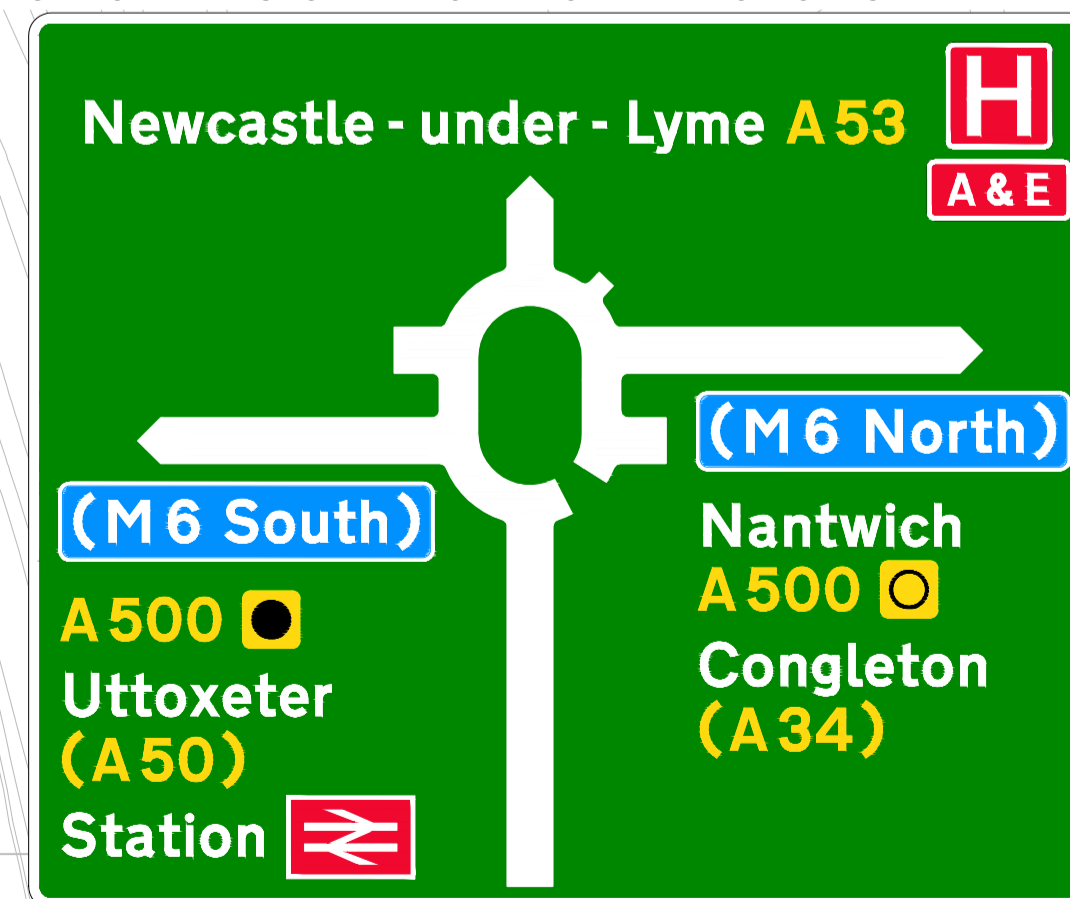
SIGN FACE WHEN BUS GATE IS IN OPERATION. PRISM SIGN TO BE USED.



EXISTING HOSPITAL SIGN TO BE REMOVED.



SIGN FACE WHEN BUS GATE IS IN OPERATION. PRISM SIGN TO BE USED.



SIGN FACE WHEN BUS GATE ISN'T IN OPERATION. PRISM SIGN TO BE USED.

NOTES

1. ALL SIGNS SHALL BE IN ACCORDANCE WITH TSRGD 2016 UNLESS AUTHORISED BY DT.
2. WHERE SIGN FACES ARE TO CHANGE WHEN THE BUS GATE IS IN OPERATION THEY SHALL CHANGE 15 MINUTES BEFORE AND AFTER THE PERIODS OF OPERATIONS.
3. ROTATING PRISM SIGNS SHALL BE USED FOR SIGNS THAT CHANGE DURING THE HOURS OF OPERATION.

Rev	Revision details	Drwn	Chkd	Appd	Date
Designed:	UH				05.03.20
Drawn:	UH				05.03.20
Checked:	HH				13.03.20
Approved:	OG				13.03.20



Project Name
NORTH STAFFORDSHIRE LOCAL AIR QUALITY PLAN

Drawing Title
A53 ETRURIA ROAD BUS GATE SIGNING
SHEET 1 of 7

Original Drawing Size : A1	Scale : 1:1000
Dimensions : -	

Drawing Status	Suitability
SUITABLE FOR STAGE APPROVAL	S4

Drawing No	Rev
SCI001-AMEY-HSN-ER-DR-CH-0001	P01

A53 Etruria Junction

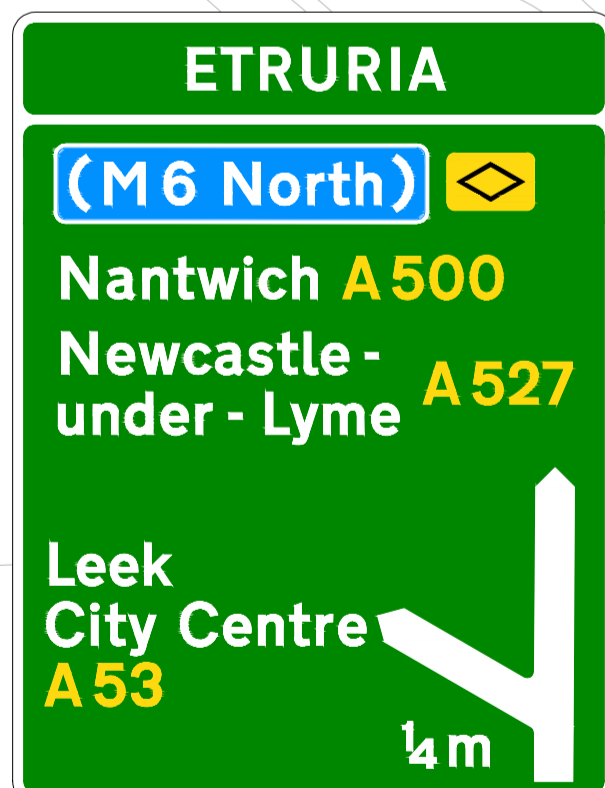
- NOTES**
1. ALL SIGNS SHALL BE IN ACCORDANCE WITH TSRGD 2016 UNLESS AUTHORISED BY DT.
 2. WHERE SIGN FACES ARE TO CHANGE WHEN THE BUS GATE IS IN OPERATION THEY SHALL CHANGE 15 MINUTES BEFORE AND AFTER THE PERIODS OF OPERATIONS.
 3. ROTATING PRISM SIGNS SHALL BE USED FOR SIGNS THAT CHANGE DURING THE HOURS OF OPERATION.



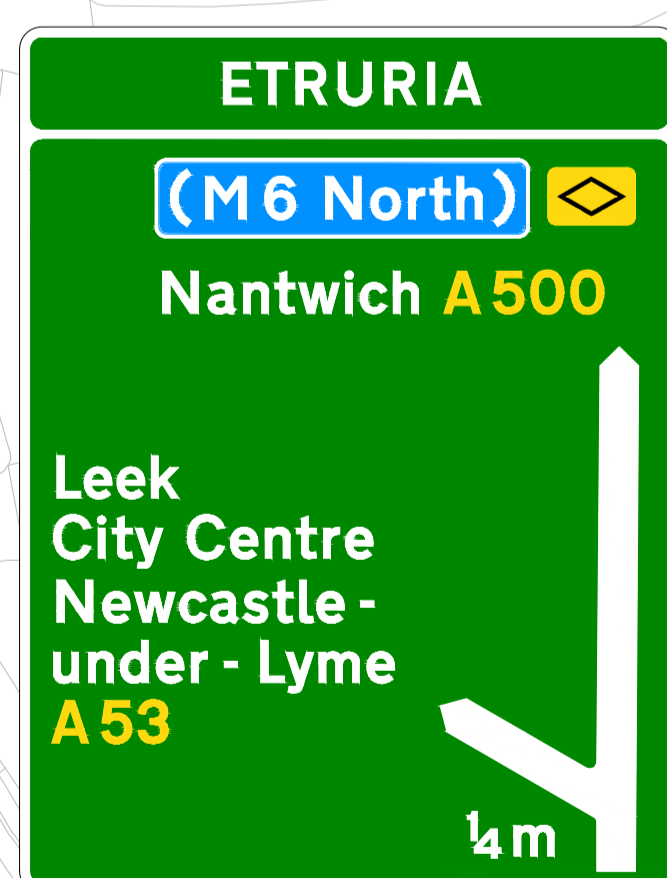
SIGN FACE WHEN BUS GATE IS IN OPERATION. PRISM SIGN TO BE USED.



SIGN WHEN BUS GATE ISN'T IN OPERATION. PRISM SIGN TO BE USED.



SIGN FACE WHEN BUS GATE IS IN OPERATION. PRISM SIGN TO BE USED.
SIGN TO BE RELOCATED TO 1/4 MILE AND DEPARTURE BE APPLIED FOR. CURRENT SIGN SHOWS NO DISTANCE.



SIGN FACE WHEN BUS GATE ISN'T IN OPERATION. PRISM SIGN TO BE USED.

A53 Etruria Junction - A500 Northbound Approach

Rev	Revision details	Drwn	Chkd	Appd	Date
Designed:	UH				Date: 05.03.20
Drawn:	UH				Date: 05.03.20
Checked:	HH				Date: 13.03.20
Approved:	OG				Date: 13.03.20



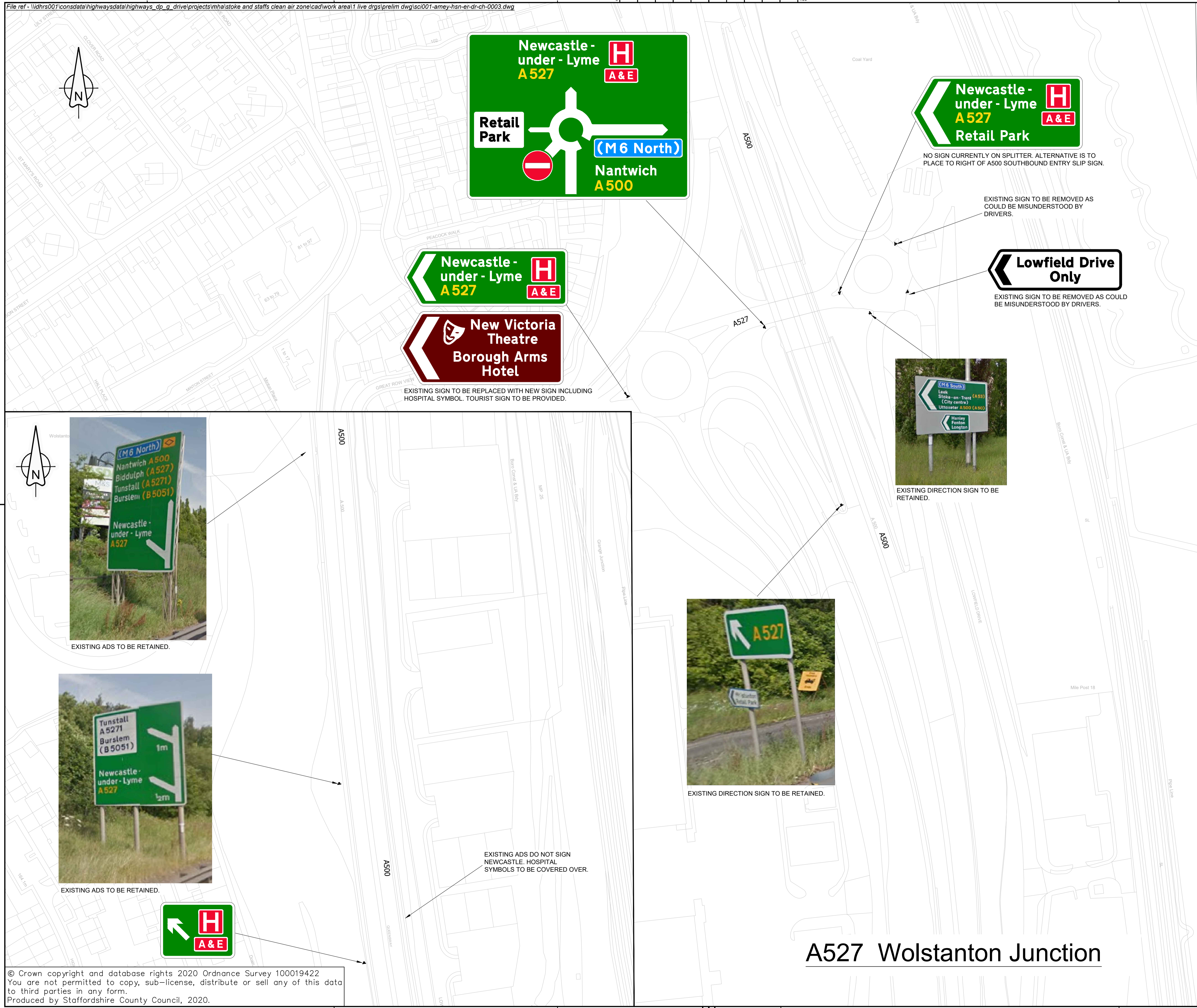
Project Name
NORTH STAFFORDSHIRE LOCAL AIR QUALITY PLAN

Drawing Title
A53 ETRURIA ROAD BUS GATE SIGNING
SHEET 2 of 7

Original Drawing Size : A1 Scale : 1:1000
Dimensions : -

Drawing Status
SUITABLE FOR STAGE APPROVAL Suitability S4

Drawing No
SCI001-AMEY-HSN-ER-DR-CH-0002 Rev P01



- NOTES**
1. ALL SIGNS SHALL BE IN ACCORDANCE WITH TSRGD 2016 UNLESS AUTHORISED BY DFT.
 2. DESIGN BASED UPON EXISTING SITUATION. WOLSTANTON JUNCTION WILL BE IMPACTED BY THE ETRURIA VALLEY LINK ROAD. THE IMPACT WILL BE ASSESSED AND DESIGN AMENDED AS REQUIRED DURING DETAILED DESIGN. A RISK ALLOWANCE HAS BEEN MADE FOR THIS.
 3. WHERE SIGN FACES ARE TO CHANGE, WHEN THE BUS GATE IS IN OPERATION THEY SHALL CHANGE 15 MINUTES BEFORE AND AFTER THE PERIODS OF OPERATIONS.
 4. ROTATING PRISM SIGNS SHALL BE USED FOR SIGNS THAT CHANGE DURING THE HOURS OF OPERATION.



NO SIGN CURRENTLY ON SPLITTER. ALTERNATIVE IS TO PLACE TO RIGHT OF A500 SOUTHBOUND ENTRY SLIP SIGN.

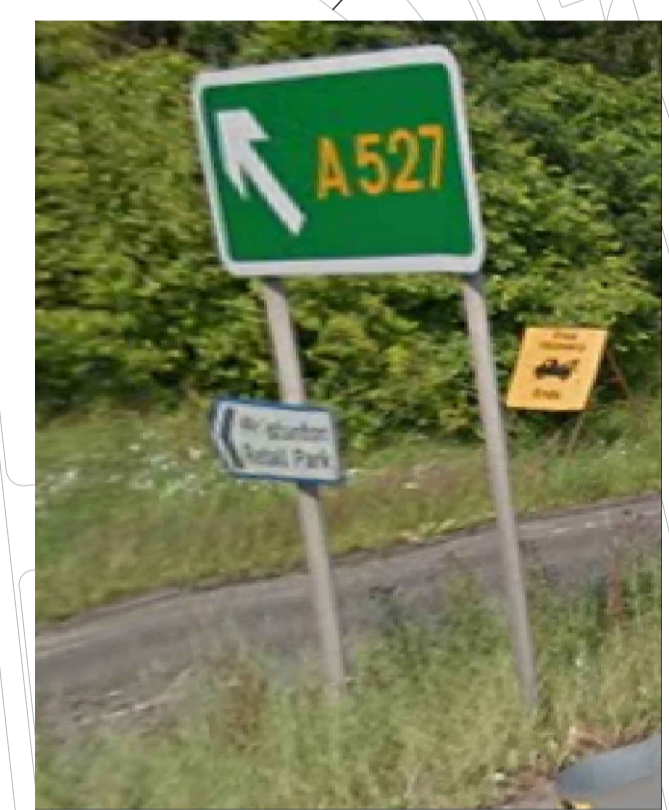
EXISTING SIGN TO BE REMOVED AS COULD BE MISUNDERSTOOD BY DRIVERS.



EXISTING SIGN TO BE REMOVED AS COULD BE MISUNDERSTOOD BY DRIVERS.



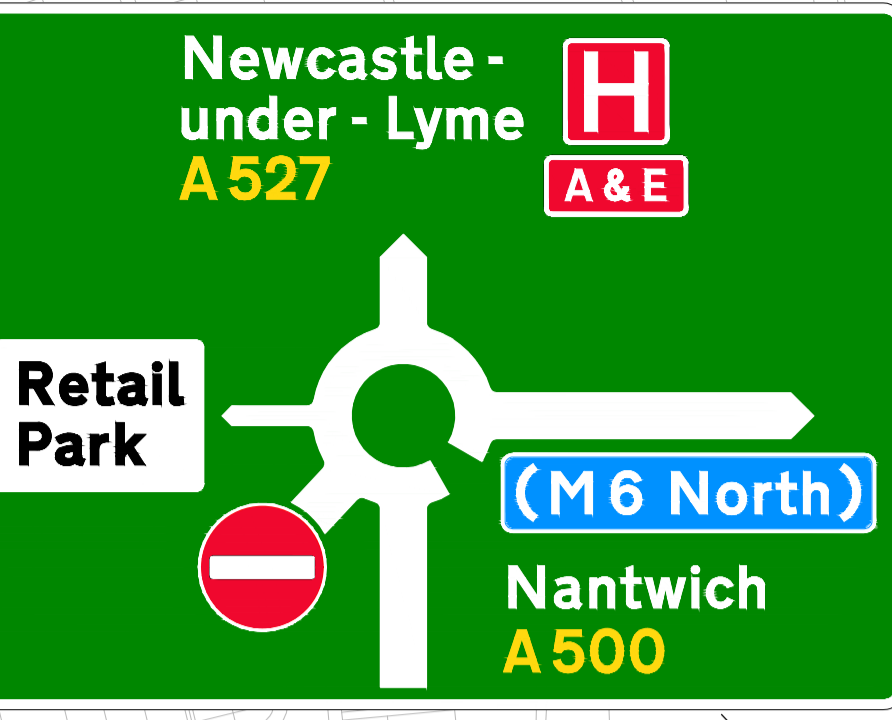
EXISTING DIRECTION SIGN TO BE RETAINED.



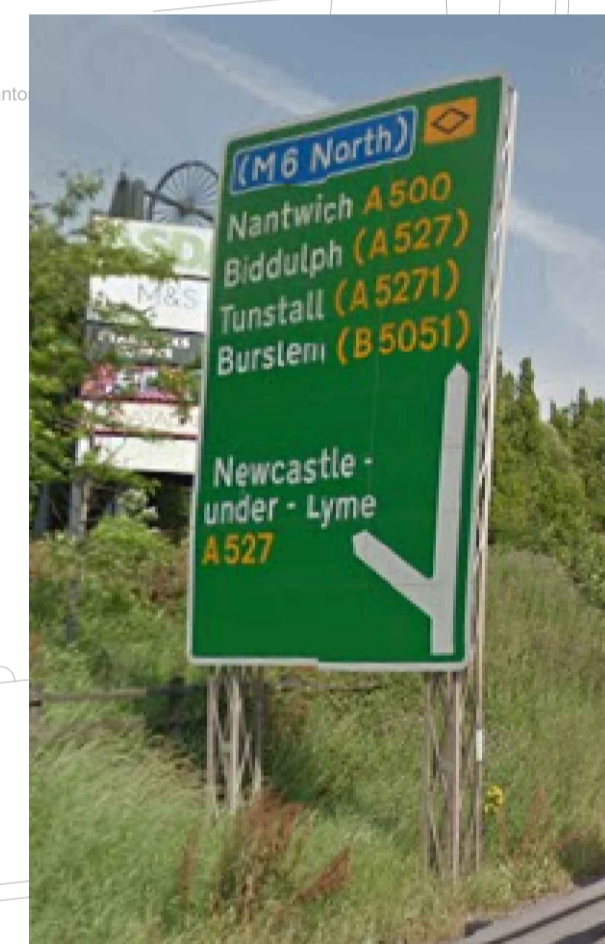
EXISTING DIRECTION SIGN TO BE RETAINED.



EXISTING SIGN TO BE REPLACED WITH NEW SIGN INCLUDING HOSPITAL SYMBOL. TOURIST SIGN TO BE PROVIDED.



EXISTING ADS DO NOT SIGN NEWCASTLE. HOSPITAL SYMBOLS TO BE COVERED OVER.



EXISTING ADS TO BE RETAINED.



EXISTING ADS TO BE RETAINED.



A527 Wolstanton Junction

Rev	Revision details	Drwn	Chkd	Appd	Date
Designed:	UH				Date: 05.03.20
Drawn:	UH				Date: 05.03.20
Checked:	HH				Date: 13.03.20
Approved:	OG				Date: 13.03.20

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Client

Project Name
NORTH STAFFORDSHIRE LOCAL AIR QUALITY PLAN

Drawing Title
A53 ETRURIA ROAD BUS GATE SIGNING
SHEET 3 of 7

Original Drawing Size : A1 Scale : 1:1000
Dimensions : -

Drawing Status
SUITABLE FOR STAGE APPROVAL Suitability S4

Drawing No
SCI001-AMEY-HSN-ER-DR-CH-0003 Rev P01



- NOTES**
1. ALL SIGNS SHALL BE IN ACCORDANCE WITH TSRGD 2016 UNLESS AUTHORISED BY DT.
 2. WHERE SIGN FACES ARE TO CHANGE WHEN THE BUS GATE IS IN OPERATION THEY SHALL CHANGE 15 MINUTES BEFORE AND AFTER THE PERIODS OF OPERATIONS.
 3. ROTATING PRISM SIGNS SHALL BE USED FOR SIGNS THAT CHANGE DURING THE HOURS OF OPERATION.

Rev	Revision details	Drwn	Chkd	Appd	Date
Designed:	UH				Date: 05.03.20
Drawn:	UH				Date: 05.03.20
Checked:	HH				Date: 13.03.20
Approved:	OG				Date: 13.03.20

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Client

Project Name
NORTH STAFFORDSHIRE LOCAL AIR QUALITY PLAN

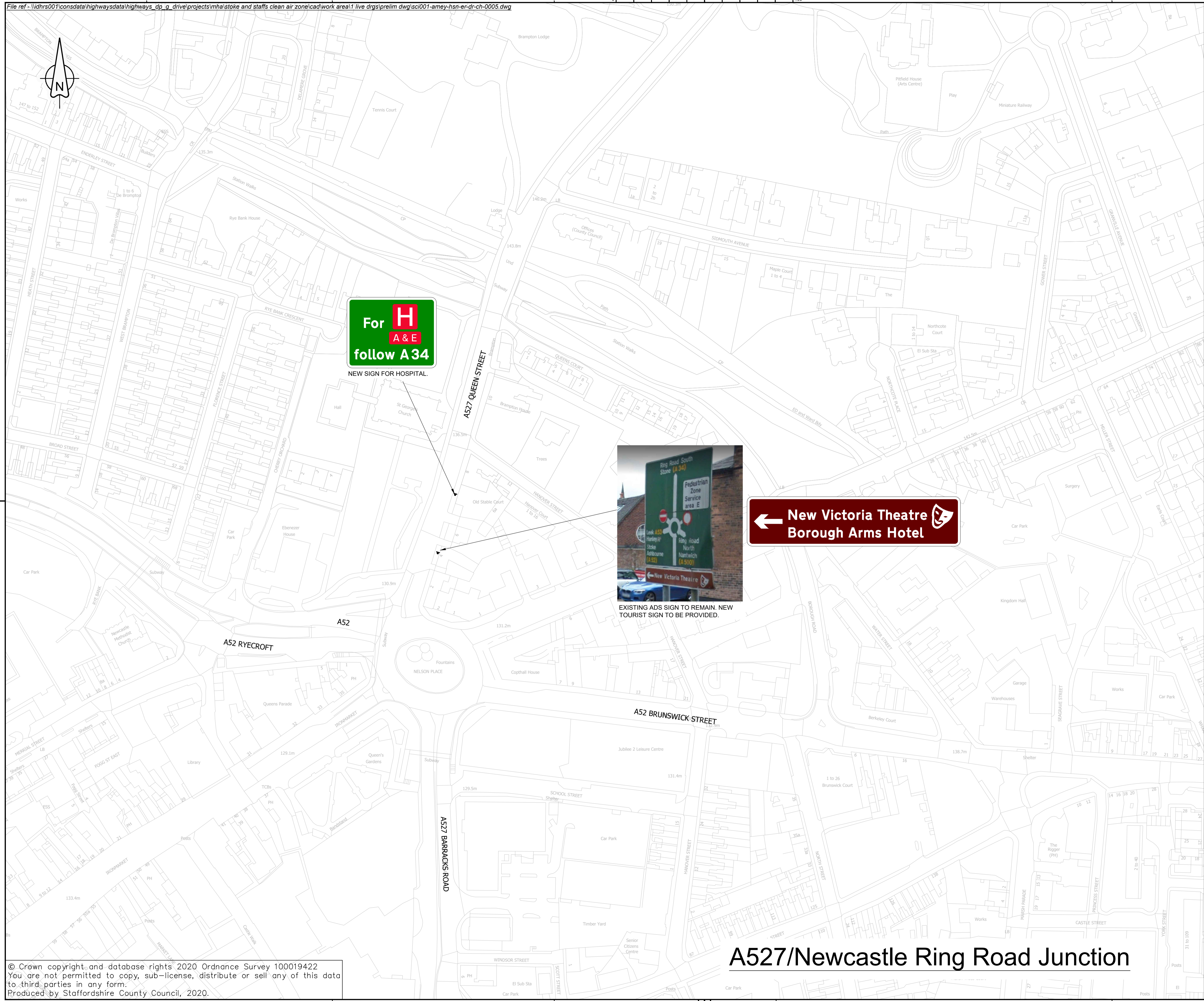
Drawing Title
A53 ETRURIA ROAD BUS GATE SIGNING
 SHEET 4 of 7

Original Drawing Size : A1 Scale : 1:1000
 Dimensions : -

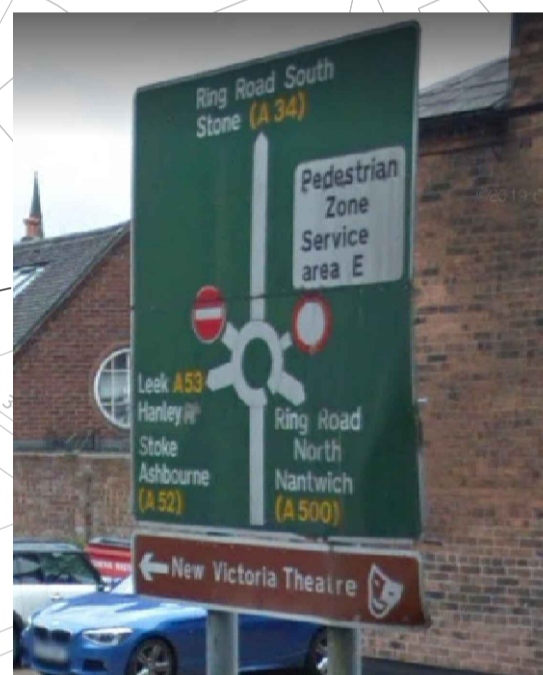
Drawing Status
SUITABLE FOR STAGE APPROVAL Suitability S4

Drawing No
SCI001-AMEY-HSN-ER-DR-CH-0004 Rev P01

A527/B5368 Junction



**For H
A & E
follow A 34**
NEW SIGN FOR HOSPITAL.



EXISTING ADS SIGN TO REMAIN. NEW TOURIST SIGN TO BE PROVIDED.

**← New Victoria Theatre
Borough Arms Hotel**

- NOTES**
1. ALL SIGNS SHALL BE IN ACCORDANCE WITH TSRGD 2016 UNLESS AUTHORISED BY DIT.
 2. WHERE SIGN FACES ARE TO CHANGE WHEN THE BUS GATE IS IN OPERATION THEY SHALL CHANGE 15 MINUTES BEFORE AND AFTER THE PERIODS OF OPERATIONS.
 3. ROTATING PRISM SIGNS SHALL BE USED FOR SIGNS THAT CHANGE DURING THE HOURS OF OPERATION.

Rev	Revision details	Drwn	Chkd	Appd	Date
Designed:	UH				Date: 05.03.20
Drawn:	UH				Date: 05.03.20
Checked:	HH				Date: 13.03.20
Approved:	OG				Date: 13.03.20

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Client

Project Name
NORTH STAFFORDSHIRE LOCAL AIR QUALITY PLAN

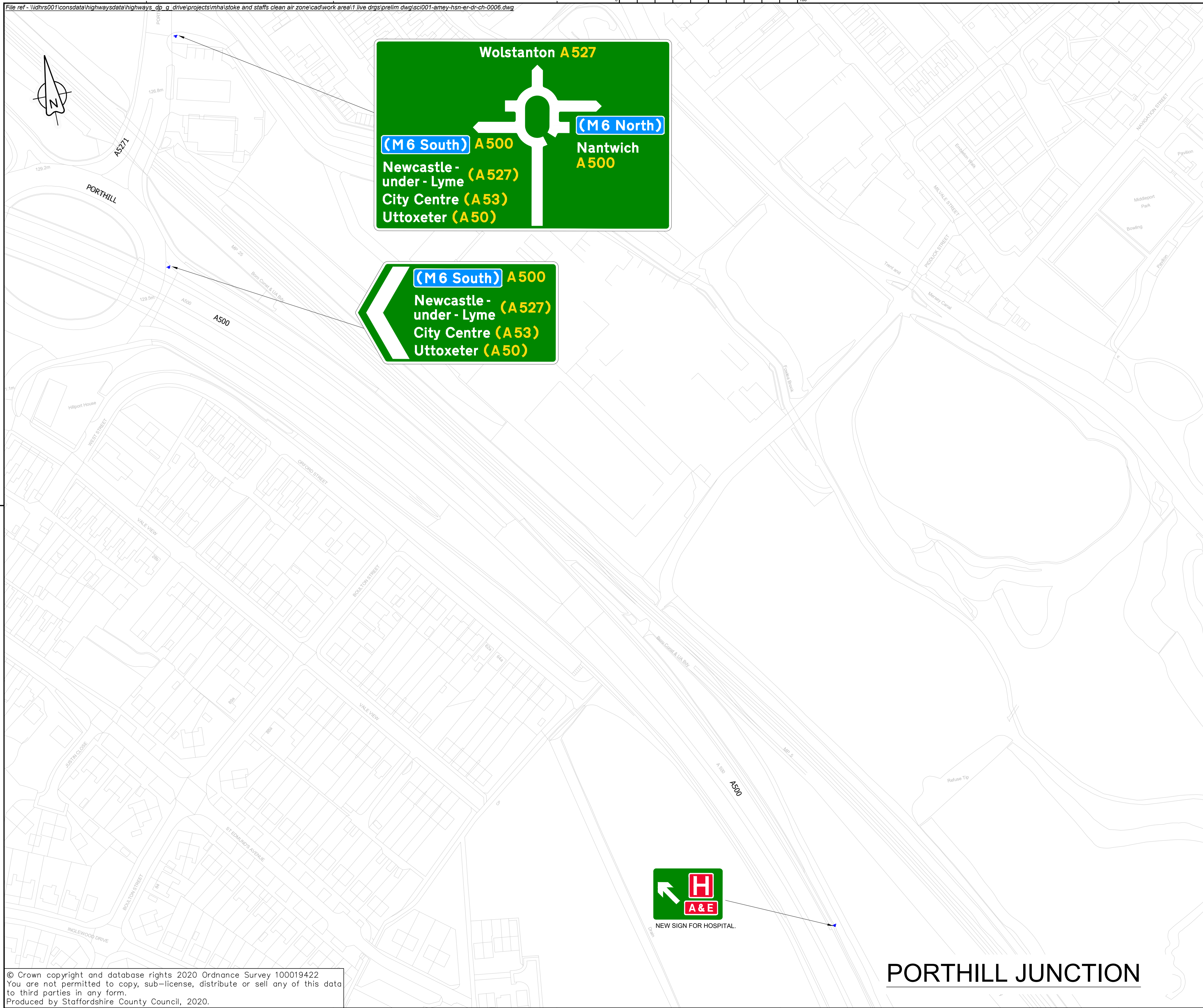
Drawing Title
A53 ETRURIA ROAD BUS GATE SIGNING
SHEET 5 of 7

Original Drawing Size : A1 Scale : 1:1000
Dimensions : -

Drawing Status
SUITABLE FOR STAGE APPROVAL Suitability S4

Drawing No
SCI001-AMEY-HSN-ER-DR-CH-0005 Rev P01

A527/Newcastle Ring Road Junction



Wolstanton A527

(M6 South) A500
Newcastle - under - Lyme (A527)
City Centre (A53)
Uttoxeter (A50)

(M6 North)
Nantwich A500

(M6 South) A500
Newcastle - under - Lyme (A527)
City Centre (A53)
Uttoxeter (A50)

H
A&E

NEW SIGN FOR HOSPITAL.

PORTHILL JUNCTION

NOTES

1. ALL SIGNS SHALL BE IN ACCORDANCE WITH TSRGD 2016 UNLESS AUTHORISED BY DTI.
2. WHERE SIGN FACES ARE TO CHANGE, WHEN THE BUS GATE IS IN OPERATION THEY SHALL CHANGE 15 MINUTES BEFORE AND AFTER THE PERIODS OF OPERATIONS.
3. ROTATING PRISM SIGNS SHALL BE USED FOR SIGNS THAT CHANGE DURING THE HOURS OF OPERATION.

Rev	Revision details	Drwn	Chkd	Appd	Date
Designed:	HH				Date: 05.03.20
Drawn:	UH				Date: 05.03.20
Checked:	HH				Date: 13.03.20
Approved:	OG				Date: 13.03.20



Project Name
NORTH STAFFORDSHIRE LOCAL AIR QUALITY PLAN

Drawing Title
A53 ETRURIA ROAD BUS GATE SIGNING SHEET 6 of 7

Original Drawing Size : A1 Scale : 1:1000
Dimensions : -

Drawing Status
SUITABLE FOR STAGE APPROVAL Suitability: S4

Drawing No
SCI001-AMEY-HSN-ER-DR-CH-0006 Rev: P01



Lanehead Junction

A53 (A500)
 Newcastle - under - Lyme 2
 (M6 South) 6
 (M6 North) 8

SIGN FACE WHEN BUS GATE ISN'T IN OPERATION. PRISM SIGN TO BE USED.

A53 (A500)
 Newcastle - under - Lyme 3
 (M6 South) 6
 (M6 North) 8

SIGN FACE WHEN BUS GATE IS IN OPERATION. PRISM SIGN TO BE USED.

- NOTES**
- ALL SIGNS SHALL BE IN ACCORDANCE WITH TSRGD 2016 UNLESS AUTHORISED BY DFT.
 - DESIGN BASED UPON EXISTING SITUATION. WOLSTANTON JUNCTION WILL BE IMPACTED BY THE ETRURIA VALLEY LINK ROAD. THE IMPACT WILL BE ASSESSED AND DESIGN AMENDED AS REQUIRED DURING DETAILED DESIGN. A RISK ALLOWANCE HAS BEEN MADE FOR THIS.

Rev	Revision details	Drwn	Chkd	Appd	Date
Designed:	UH				Date: 05.03.20
Drawn:	UH				Date: 05.03.20
Checked:	HH				Date: 13.03.20
Approved:	OG				Date: 13.03.20



Project Name
NORTH STAFFORDSHIRE LOCAL AIR QUALITY PLAN

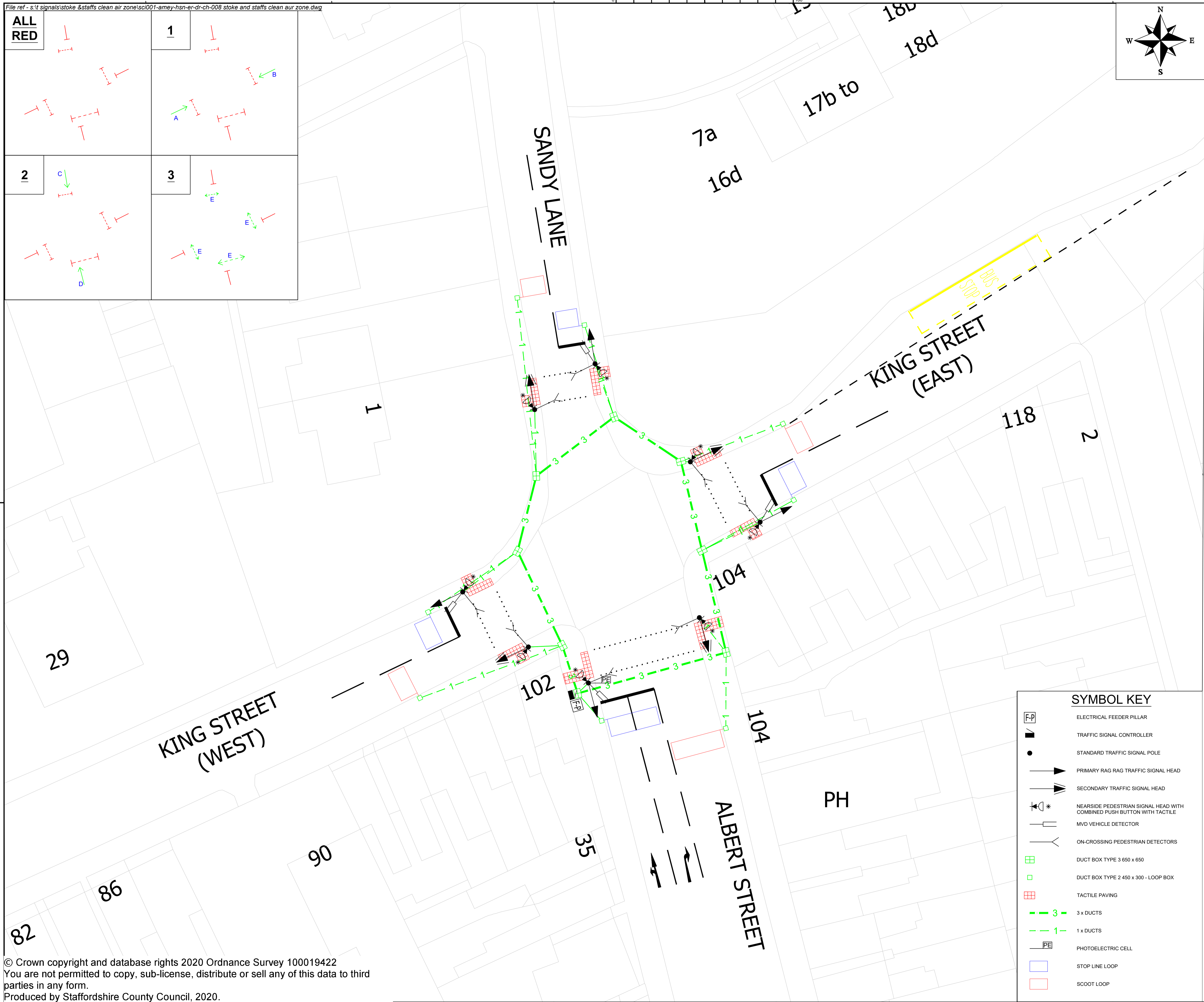
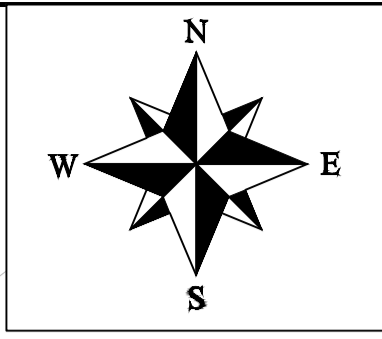
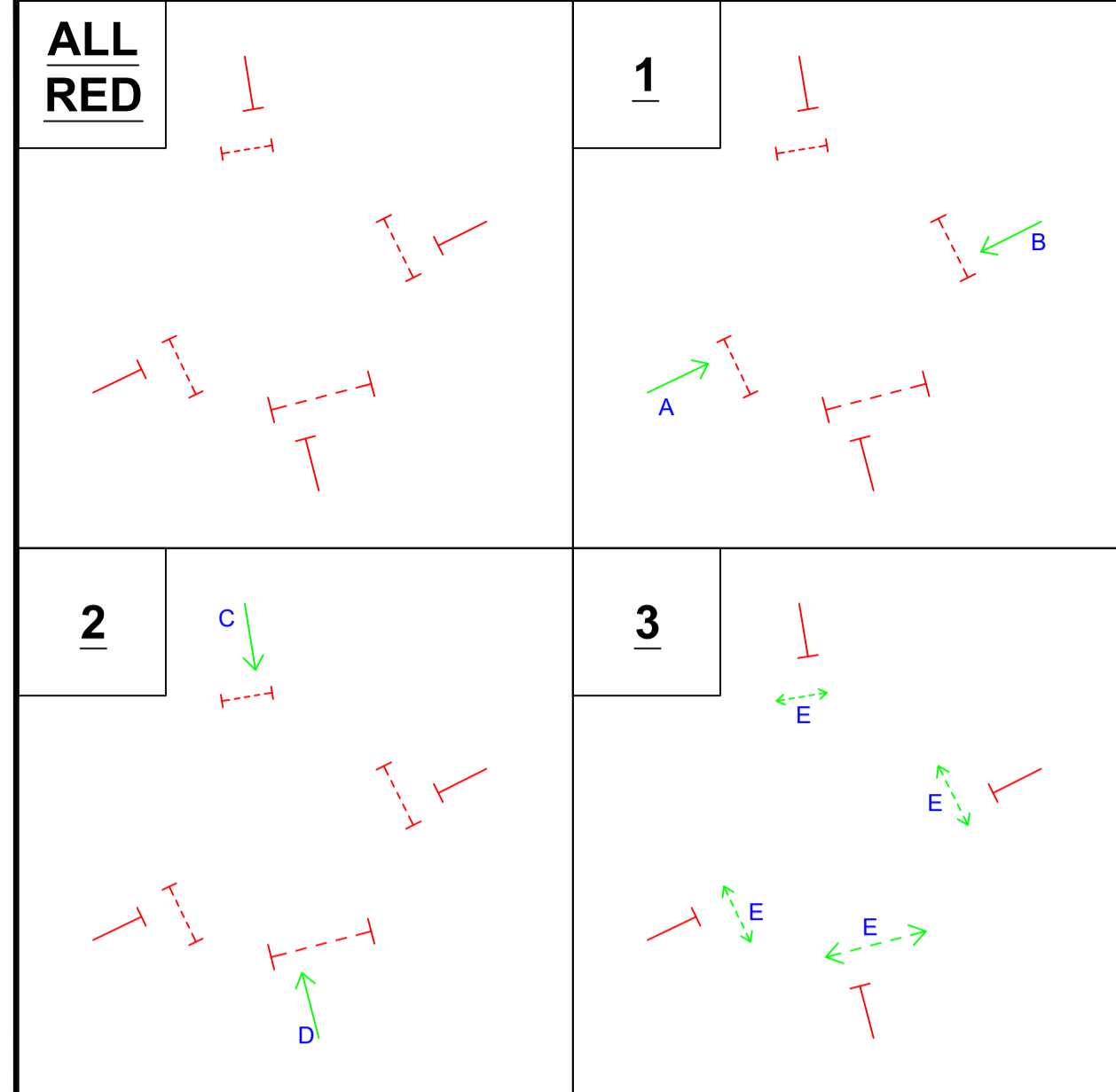
Drawing Title
A53 ETRURIA ROAD BUS GATE SIGNING
 SHEET 7 of 7

Original Drawing Size : A1 Scale : 1:1000
 Dimensions : -

Drawing Status
SUITABLE FOR STAGE APPROVAL Suitability S4

Drawing No
SCI001-AMEY-HSN-SW-DR-CH-0007 Rev P01

A53 ETRURIA ROAD



SYMBOL KEY

	ELECTRICAL FEEDER PILLAR
	TRAFFIC SIGNAL CONTROLLER
	STANDARD TRAFFIC SIGNAL POLE
	PRIMARY RAG RAG TRAFFIC SIGNAL HEAD
	SECONDARY TRAFFIC SIGNAL HEAD
	NEARSIDE PEDESTRIAN SIGNAL HEAD WITH COMBINED PUSH BUTTON WITH TACTILE
	MVD VEHICLE DETECTOR
	ON-CROSSING PEDESTRIAN DETECTORS
	DUCT BOX TYPE 3 650 x 650
	DUCT BOX TYPE 2 450 x 300 - LOOP BOX
	TACTILE PAVING
	3 x DUCTS
	1 x DUCTS
	PHOTOELECTRIC CELL
	STOP LINE LOOP
	SCOOT LOOP

Rev	Revision details	Drwn	Chkd	Appd	Date
Designed: AY					Date: FEB 2020
Drawn: AY					Date: FEB 2020
Checked: .					Date: .
Approved: .					Date: .



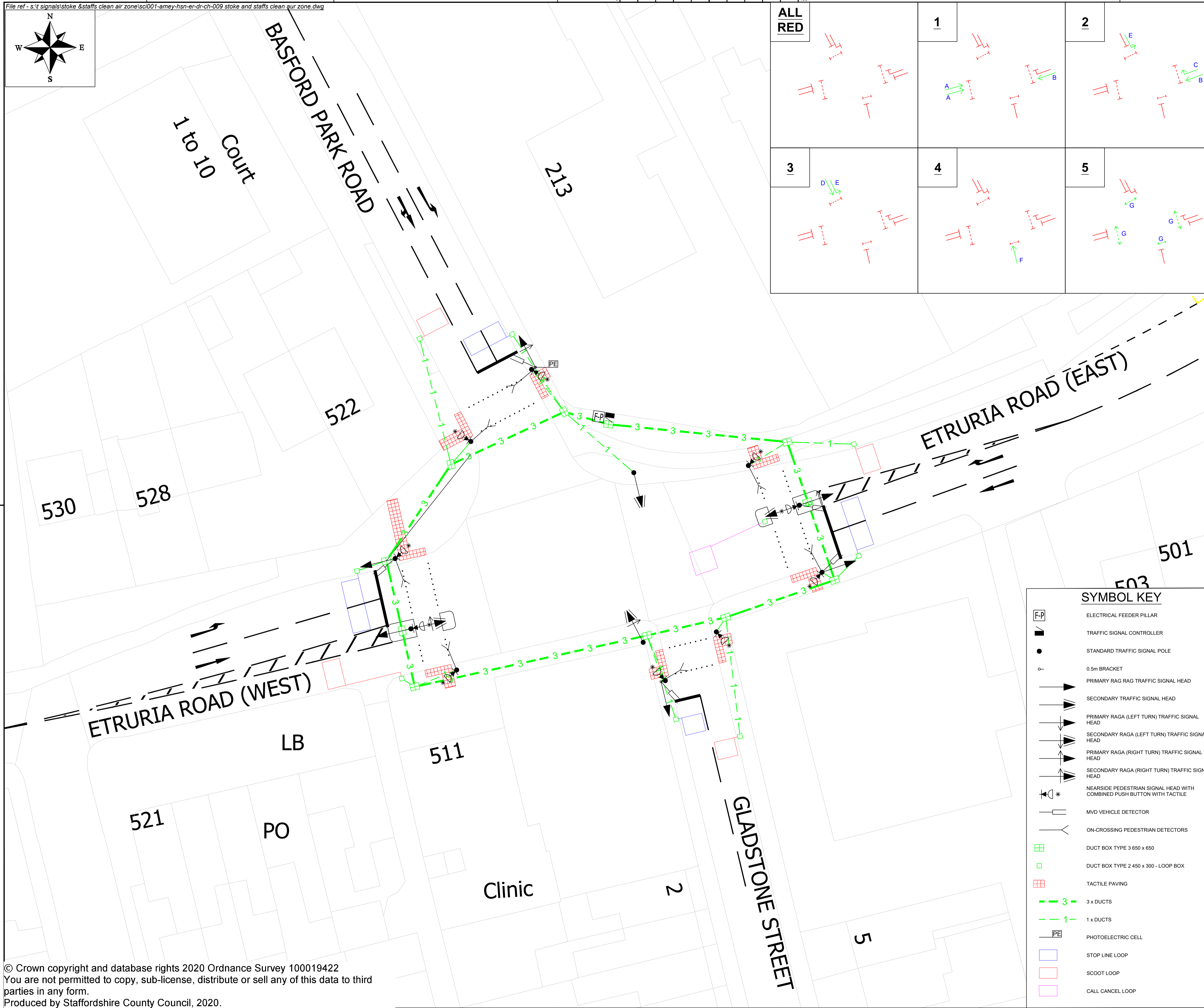
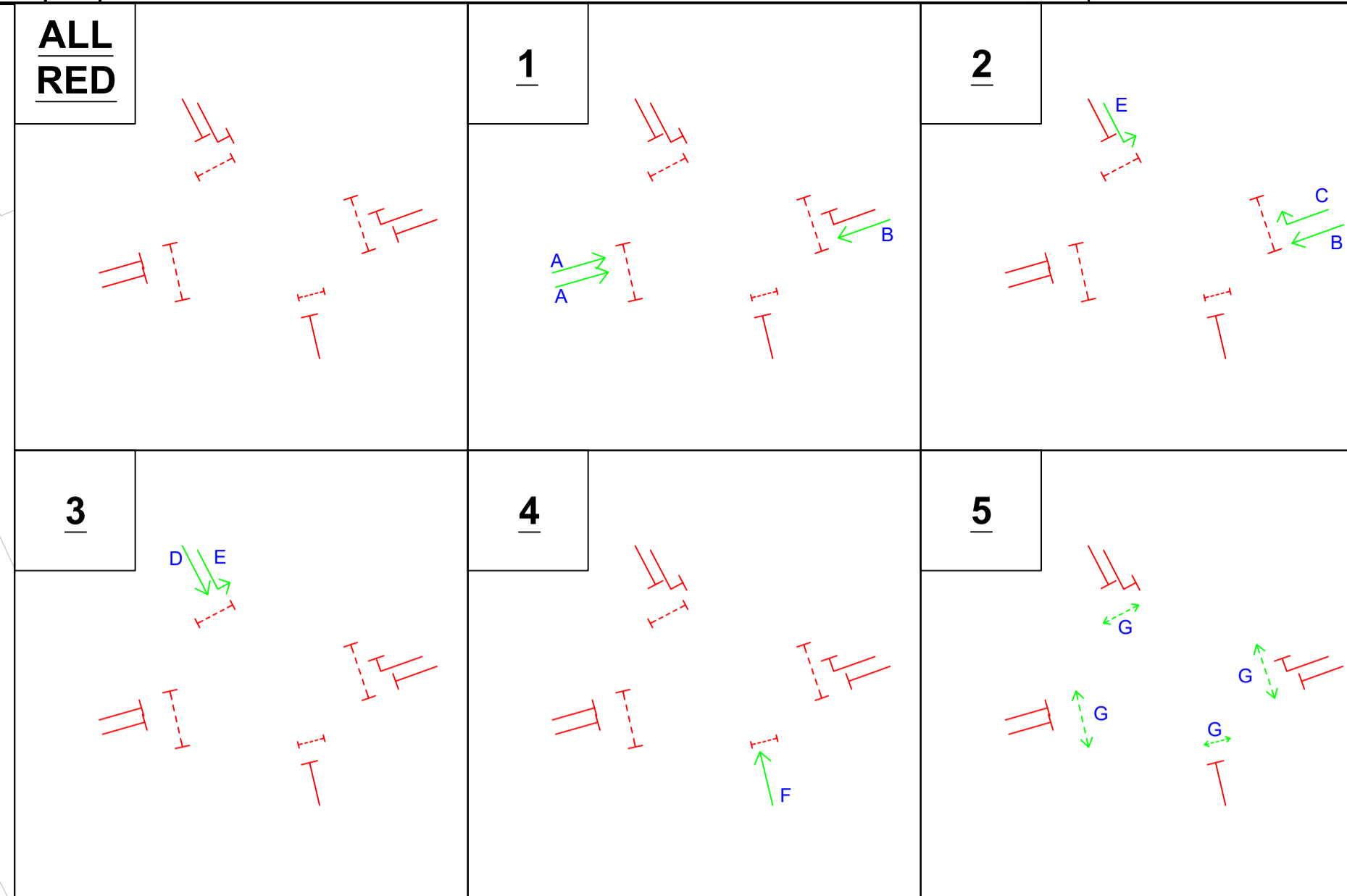
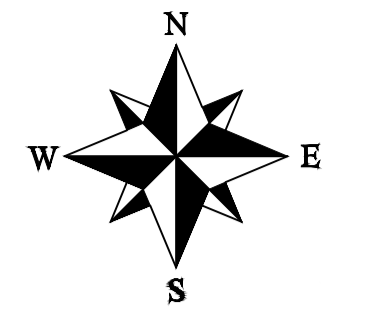
Project Name
NORTH STAFFORDSHIRE LOCAL AIR QUALITY PLAN

Drawing Title
PRELIMINARY TRAFFIC SIGNAL DESIGN

Original Drawing Size : A1	Scale : 1:200 @ A1
Dimensions : m	

Drawing Status	SUITABLE FOR STAGE APPROVAL	Suitability	S4
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Drawing No	SCI001-AMEY-HSN-ER-DR-CH-008	Rev	P01
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SYMBOL KEY

	ELECTRICAL FEEDER PILLAR
	TRAFFIC SIGNAL CONTROLLER
	STANDARD TRAFFIC SIGNAL POLE
	0.5m BRACKET
	PRIMARY RAG RAG TRAFFIC SIGNAL HEAD
	SECONDARY TRAFFIC SIGNAL HEAD
	PRIMARY RAGA (LEFT TURN) TRAFFIC SIGNAL HEAD
	SECONDARY RAGA (LEFT TURN) TRAFFIC SIGNAL HEAD
	PRIMARY RAGA (RIGHT TURN) TRAFFIC SIGNAL HEAD
	SECONDARY RAGA (RIGHT TURN) TRAFFIC SIGNAL HEAD
	NEARSIDE PEDESTRIAN SIGNAL HEAD WITH COMBINED PUSH BUTTON WITH TACTILE
	MVD VEHICLE DETECTOR
	ON-CROSSING PEDESTRIAN DETECTORS
	3 x DUCTS
	1 x DUCTS
	PHOTOELECTRIC CELL
	STOP LINE LOOP
	SCOOT LOOP
	CALL CANCEL LOOP

Rev	Revision details	Drwn	Chkd	Appd	Date
Designed: AY					Date: FEB 2020
Drawn: AY					Date: FEB 2020
Checked:					Date:
Approved:					Date:



Project Name
NORTH STAFFORDSHIRE LOCAL AIR QUALITY PLAN

Drawing Title
PRELIMINARY TRAFFIC SIGNAL DESIGN

Original Drawing Size : A1 Scale : 1:200 @ A1
 Dimensions : m

Drawing Status
SUITABLE FOR STAGE APPROVAL Suitability S4

Drawing No
SCI001-AMEY-HSN-ER-DR-CH-009 Rev P01