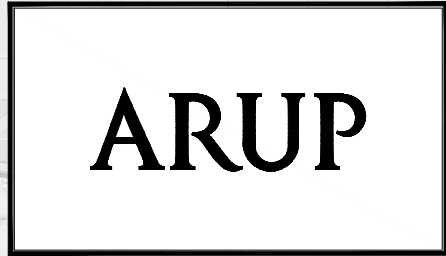




Appendix B10
Junction Systems Design



BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS

BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME

JUNCTION SYSTEMS DESIGN	
DRAWING SERIES NUMBER(S)	DRAWING SERIES DESCRIPTION
BCIDC-ARP-TSM_IX-1415_XX_00-DR-TR-0001	BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME. JUNCTION SYSTEMS DESIGN. COVER SHEET
BCIDC-ARP-TSM_KP-1415_XX_00-DR-TR-0001	BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME. JUNCTION SYSTEMS DESIGN. KEY PLAN
BCIDC-ARP-TSM_SJ-1415_XX_00-DR-TR-0001 to 0031	BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME. JUNCTION SYSTEMS DESIGN

\\global\europa\Dublin\Joos\268401-004\Internal\4-02 Drawings\4-02 BCIDC\BCIDC-ARP-TSM_IX-1415_XX_00-DR-TR-0001.dwg

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M01	04/03/2022	BM	BB	NH	ISSUE FOR PHASE 4: PLANNING

Client NTA Údarás Náisiúnta Iompair National Transport Authority		Engineering Designer ARUP		
Date 04/03/2022	Scale N/A @ A1 N/A @ A3	Drawn BM	Checked BB	Approved NH
Project Code BCIDC	Originator Code ARP	QMS Code 268401-00		

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN COVER SHEET			
Drawing File Name BCIDC-ARP-TSM_IX-1415_XX_00-DR-TR-0001	Sheet Number 01 of 01	Status A	Rev M01

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Client
NTA
 Údarás Náisiúnta Iompair
 National Transport Authority

Date: 04/03/2022
 Scale: 1:10000 @ A1
 1:20000 @ A3

Project Code: BCIDC
 Originator Code: ARP

Engineering Designer
ARUP

Drawn	Checked	Approved
BM	BB	NH

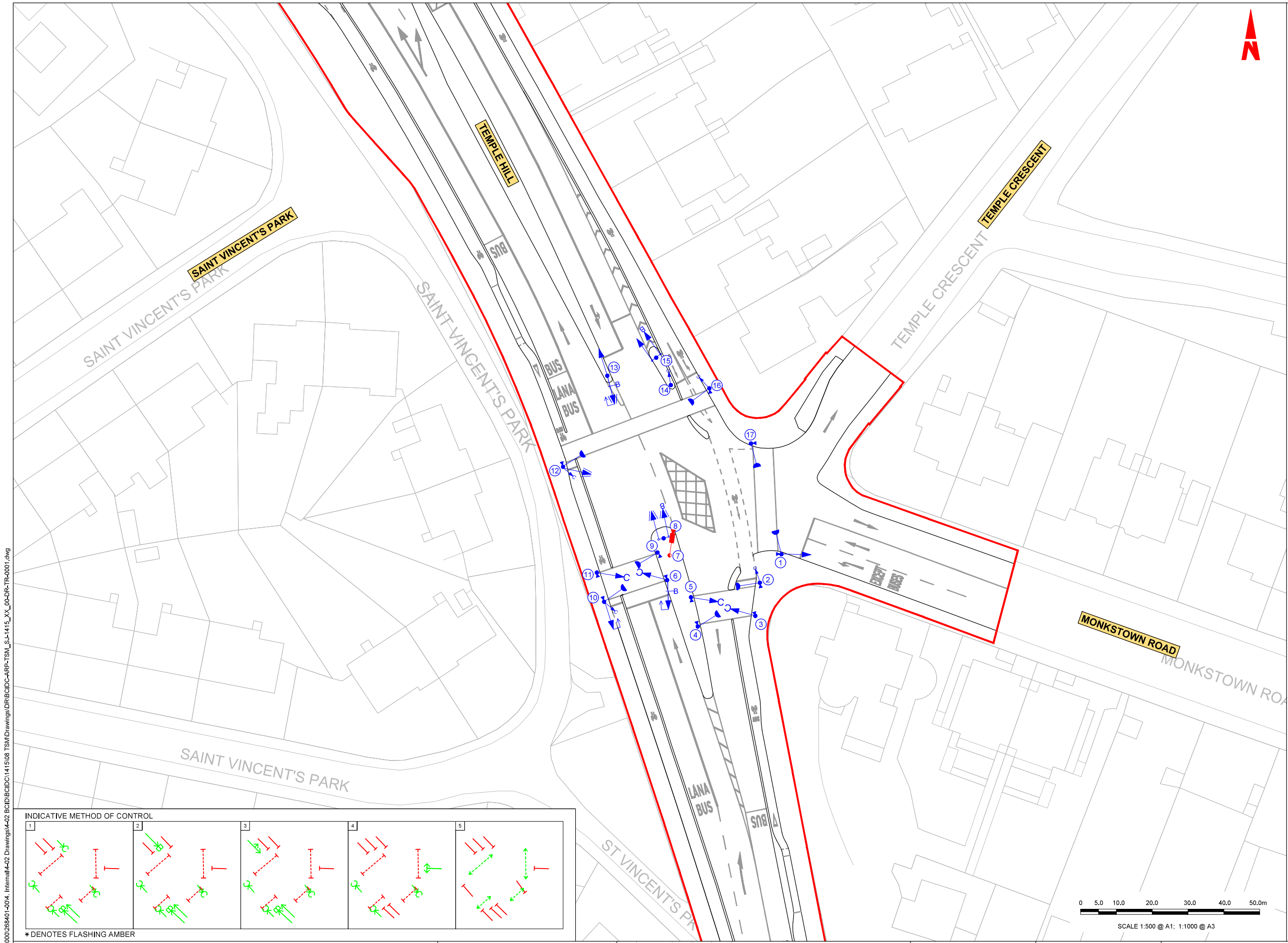
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Programme Title
BUSCONNECTS DUBLIN
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

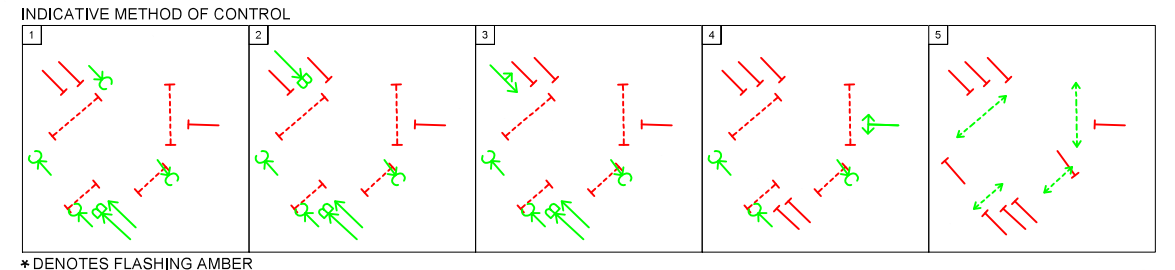
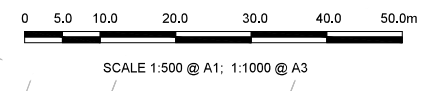
Drawing Title
 BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME
 JUNCTION SYSTEMS DESIGN
 KEY PLAN

Drawing File Name	Sheet Number	Status	Rev
BCIDC-ARP-TSM_KP-1415_XX_00-DR-TR-0001	01 of 01	A	M01

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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 001 PRIMARY
 - RTS 001 SECONDARY
 - RTS 002 (B) PRIMARY
 - RTS 002 (D) PRIMARY
 - RTS 002 (D) SECONDARY
 - RTS 013 PRIMARY
 - RTS 013 SECONDARY
 - RPC 004 PEDESTRIAN HEAD
 - RTS 007 (HIGH LEVEL) PRIMARY
 - RTS 007 (LOW LEVEL) PRIMARY
- TRAFFIC SIGNAL EQUIPMENT:**
- POLE (STANDARD HEIGHT)
 - POLE NUMBER
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
 - PUSH BUTTON UNIT
 - PAN / TILT / ZOOM CCTV CAMERA
- GENERAL:**
- SITE BOUNDARY LINE
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M01	04/03/2022	BM	BB	NH	ISSUE FOR PHASE 4: PLANNING

Client

Date: 04/03/2022

Project Code: BCIDC

Engineering Designer

Drawn: BM, Checked: BB, Approved: NH

Originator Code: ARP

QMS Code: 268401-00

Programme Title: **BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS**

Drawing Title: BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN TEMPLE HILL / MONKSTOWN ROAD JUNCTION

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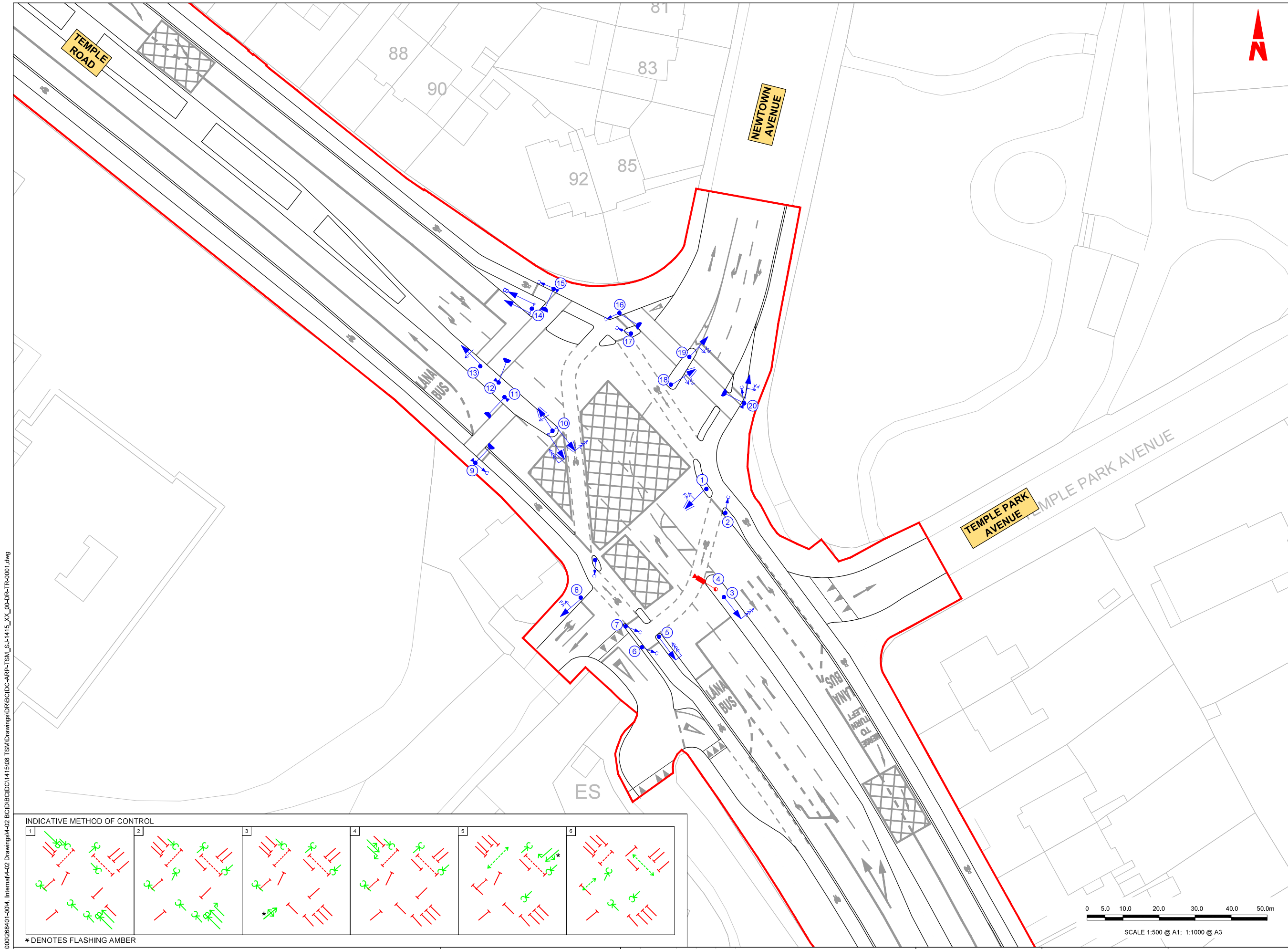
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Status: A

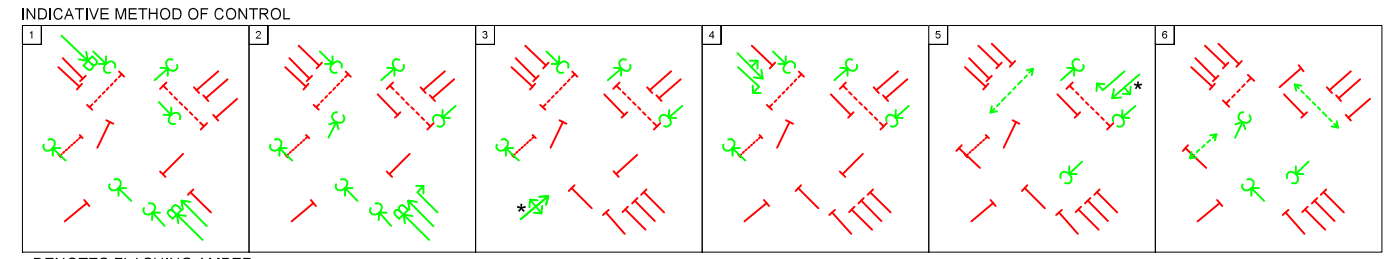
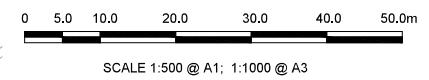
Rev: M01

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 - RTS 002 (D) PRIMARY
 - RTS 002 (H) PRIMARY
 - RTS 002 (H) SECONDARY
 - RTS 002 (G) PRIMARY
 - RTS 002 (G) SECONDARY
 - RTS 003 (A) PRIMARY
 - RTS 003 (A) SECONDARY
 - RPC 004 PEDESTRIAN HEAD
 - RTS 004 PRIMARY
 - RTS 004 SECONDARY
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- TRAFFIC SIGNAL EQUIPMENT:**
- POLE (STANDARD HEIGHT)
 - POLE NUMBER
 - PUSH BUTTON UNIT
 - PAN / TILT / ZOOM CCTV CAMERA
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M01	04/03/2022	BM	BB	NH	ISSUE FOR PHASE 4: PLANNING

Client

Date: 04/03/2022
Project Code: BCDC

Engineering Designer

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1:500 @ A3

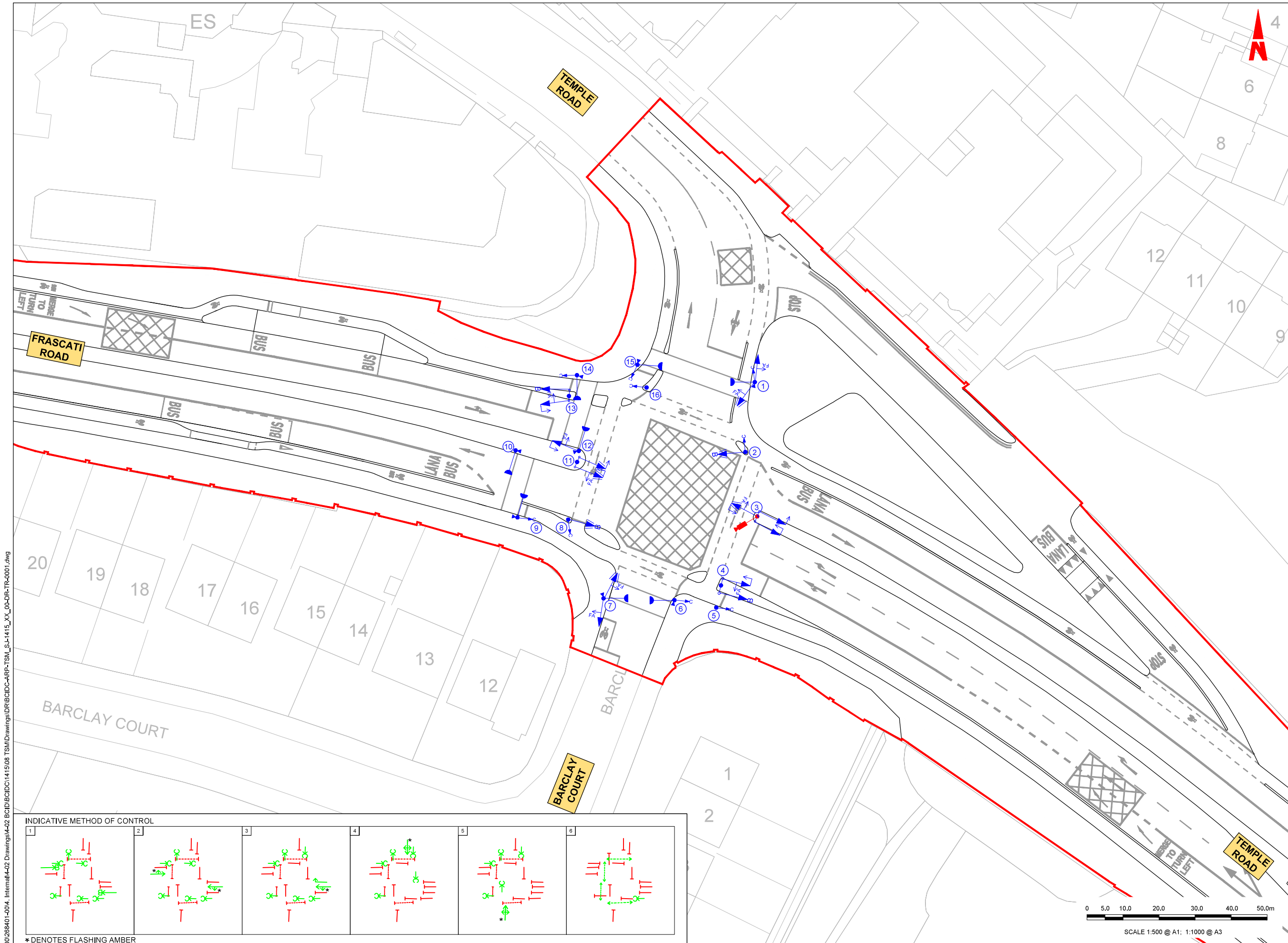
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Checked: BB
Approved: NH

QMS Code: 268401-00

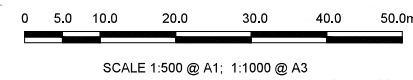
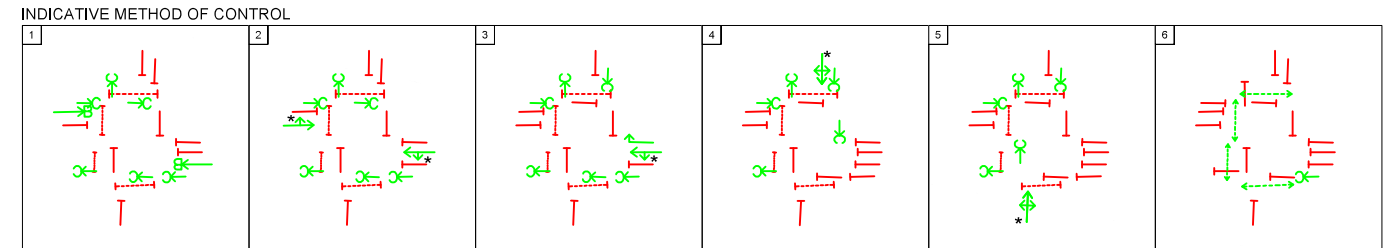
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Drawing File Name BCDC-ARP-TSM_SJ-1415_XX_00-DR-TR-0002	Sheet Number 02 of 31	Status A	Rev M01

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 - RTS 004 SECONDARY
 - RTS 004 PRIMARY
 - RTS 004 SECONDARY
 - RTS 007 (LOW LEVEL) PRIMARY
 - RPC 004 PEDESTRIAN HEAD
- TRAFFIC SIGNAL EQUIPMENT:**
- POLE (STANDARD HEIGHT)
 - POLE NUMBER
 - PUSH BUTTON UNIT
 - PAN / TILT / ZOOM CCTV CAMERA
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
- GENERAL:**
- SITE BOUNDARY LINE
 - TEMPORARY LAND ACQUISITION



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<p>Project Code BCIDC</p>		<p>Date 04/03/2022</p>		<p>Scale 1:250 @ A1 1:500 @ A3</p>		<p>Drawn BM Checked BB Approved NH</p>			<p>Drawing Title BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN FRASCATI ROAD / TEMPLE ROAD JUNCTION</p>				
<p>Project Code BCIDC</p>		<p>Originator Code ARP</p>		<p>QMS Code 268401-00</p>			<p>Drawing File Name BCIDC-ARP-TSM_SJ-1415_XX_00-DR-TR-0003</p>				<p>Sheet Number 03 of 31</p>	<p>Status A</p>	<p>Rev M01</p>

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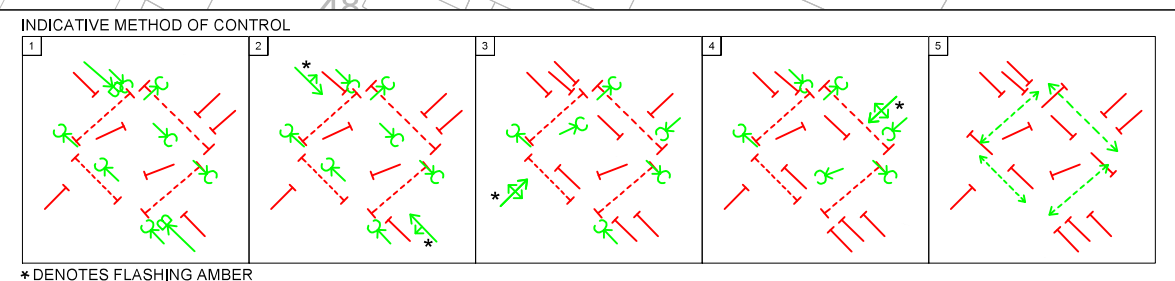
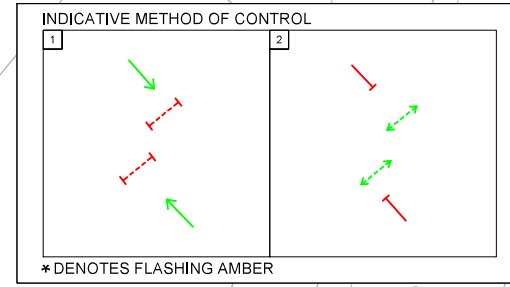
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 - RTS 001 SECONDARY
 - RTS 002 (D) PRIMARY
 - RTS 002 (D) SECONDARY
 - RTS 004 PRIMARY
 - RTS 004 SECONDARY
 - RTS 004 PRIMARY
 - RTS 004 SECONDARY
 - RTS 007 (HIGH LEVEL) PRIMARY
 - RTS 007 (LOW LEVEL) PRIMARY
 - RPC 004 PEDESTRIAN HEAD
- TRAFFIC SIGNAL EQUIPMENT:**
- POLE (STANDARD HEIGHT)
 - POLE NUMBER
 - PUSH BUTTON UNIT
 - PAN / TILT / ZOOM CCTV CAMERA
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
- GENERAL:**
- SITE BOUNDARY LINE
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Rev	Date	Drn	Chk'd	App'd	Description
M01	04/03/2022	BM	BB	NH	ISSUE FOR PHASE 4: PLANNING

Client: **NTA**
Údarás Náisiúnta Iompair
National Transport Authority

Engineering Designer: **ARUP**

Date: 04/03/2022
Scale: 1:250 @ A1
1:500 @ A3

Project Code: BCDC
Originator Code: ARP

Drawn: BM
Checked: BB
Approved: NH

QMS Code: 268401-00

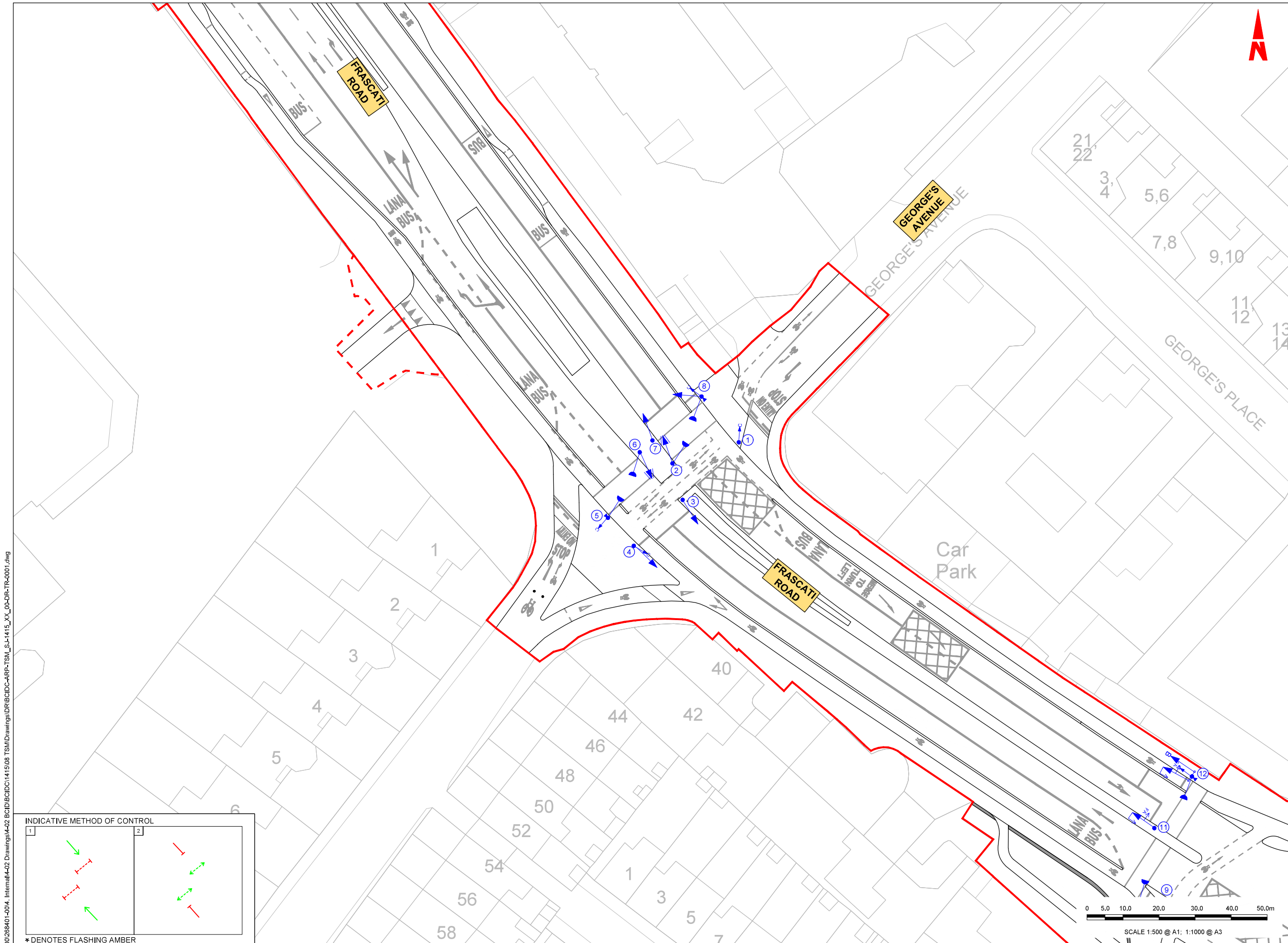
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CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title: BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME
JUNCTION SYSTEMS DESIGN
FRASCATI ROAD / CARYSFORT AVENUE JUNCTION AND TOUCAN CROSSING

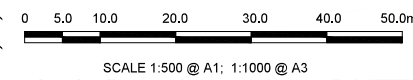
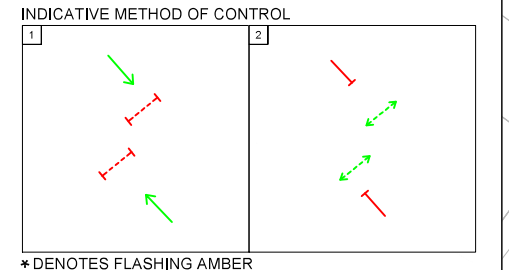
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Sheet Number: 04 of 31
Status: A
Rev: M01

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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
 - RTS 001 PRIMARY
 - RTS 001 SECONDARY
 - RTS 007 (LOW LEVEL) PRIMARY
 - RPC 004 PEDESTRIAN HEAD
 - TRAFFIC SIGNAL EQUIPMENT:**
 - POLE (STANDARD HEIGHT)
 - POLE NUMBER
 - PUSH BUTTON UNIT
 - GENERAL:**
 - SITE BOUNDARY LINE
 - TEMPORARY LAND ACQUISITION



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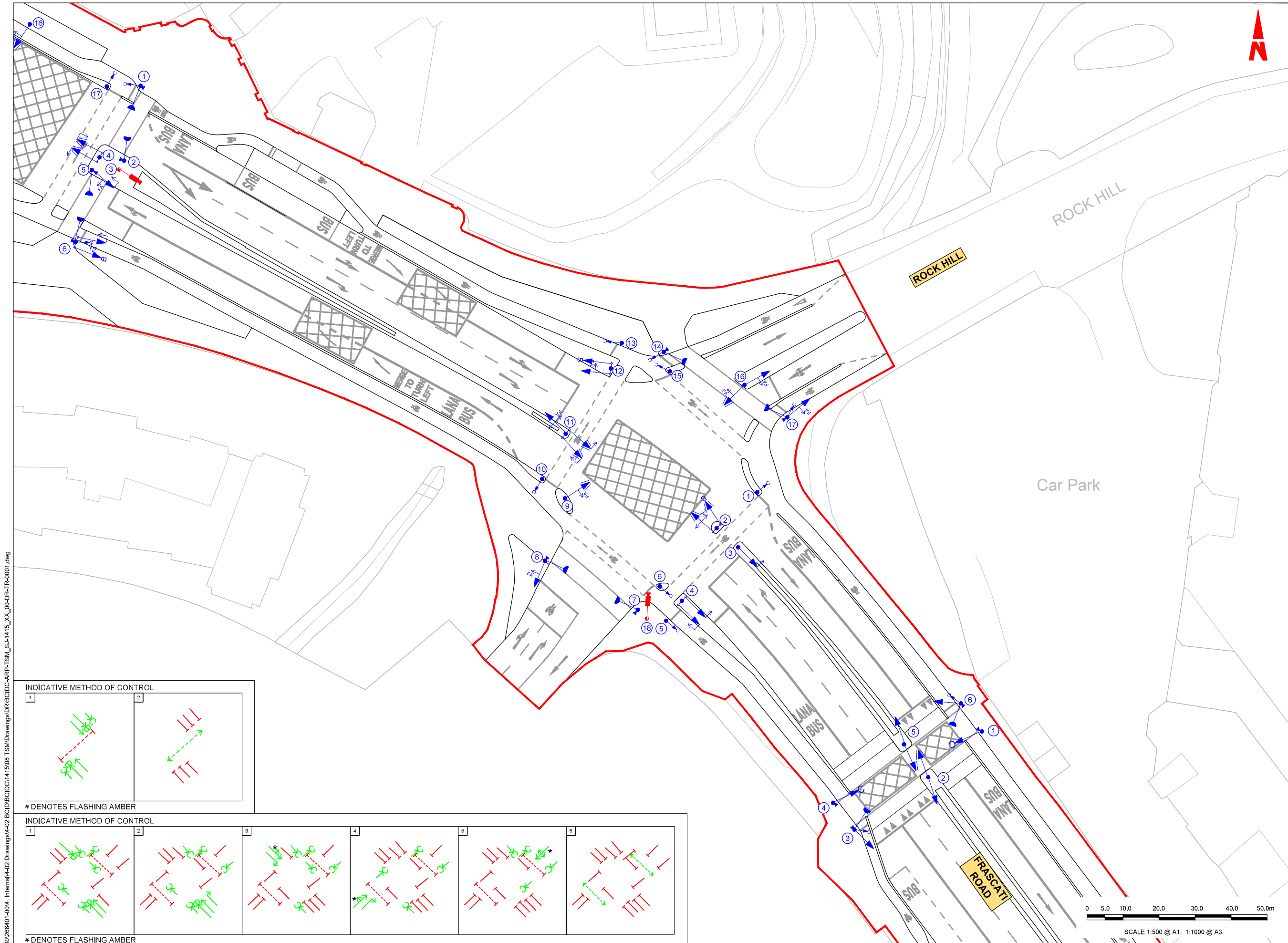
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Rev	Date	Drn	Chk'd	App'd	Description
M01	04/03/2022	BM	BB	NH	ISSUE FOR PHASE 4: PLANNING

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Date	Scale	Drawn	Checked	Approved
04/03/2022	1:250 @ A1 1:500 @ A3	BM	BB	NH
Project Code	Originator Code	QMS Code		
BCIDC	ARP	268401-00		

Client NTA Udarás Náisiúnta Iompair National Transport Authority		Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS		
Drawing Title BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN FRASCATI ROAD / GEORGE'S AVENUE JUNCTION				
Drawing File Name	Sheet Number	Status	Rev	
BCIDC-ARP-TSM_SJ-1415_XX_00-DR-TR-0005	05 of 31	A	M01	

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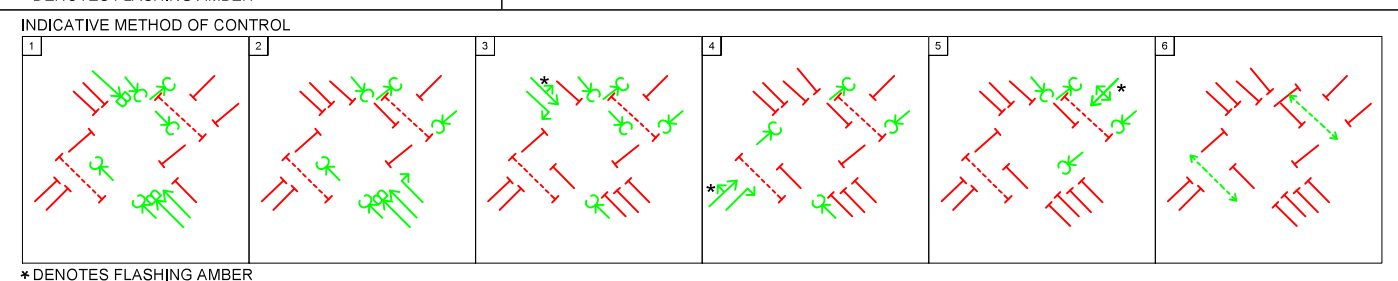
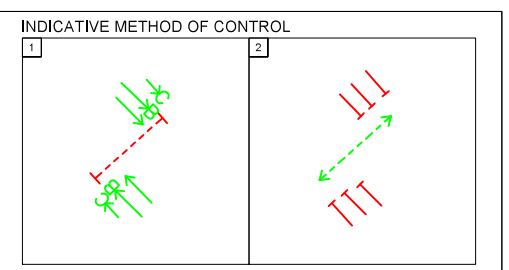
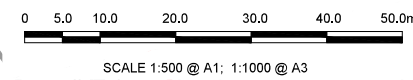


LEGEND:

TRAFFIC SIGNAL HEADS:	
	RTS 001 PRIMARY
	RTS 001 SECONDARY
	RTS 002 (B) PRIMARY
	RTS 002 (B) SECONDARY
	RTS 002 (C) PRIMARY
	RTS 002 (C) SECONDARY
	RTS 002 (D) PRIMARY
	RTS 002 (D) SECONDARY
	RTS 004 PRIMARY
	RTS 004 SECONDARY
	RTS 007 (HIGH LEVEL) PRIMARY
	RTS 007 (LOW LEVEL) PRIMARY
	RPC 004 PEDESTRIAN HEAD

TRAFFIC SIGNAL EQUIPMENT:	
	POLE (STANDARD HEIGHT)
	PUSH BUTTON UNIT
	PAN / TILT / ZOOM CCTV CAMERA
	TALL POLE (CCTV/TRAFFIC SIGNALS)
	POLE NUMBER

GENERAL:	
	SITE BOUNDARY LINE
	TEMPORARY LAND ACQUISITION



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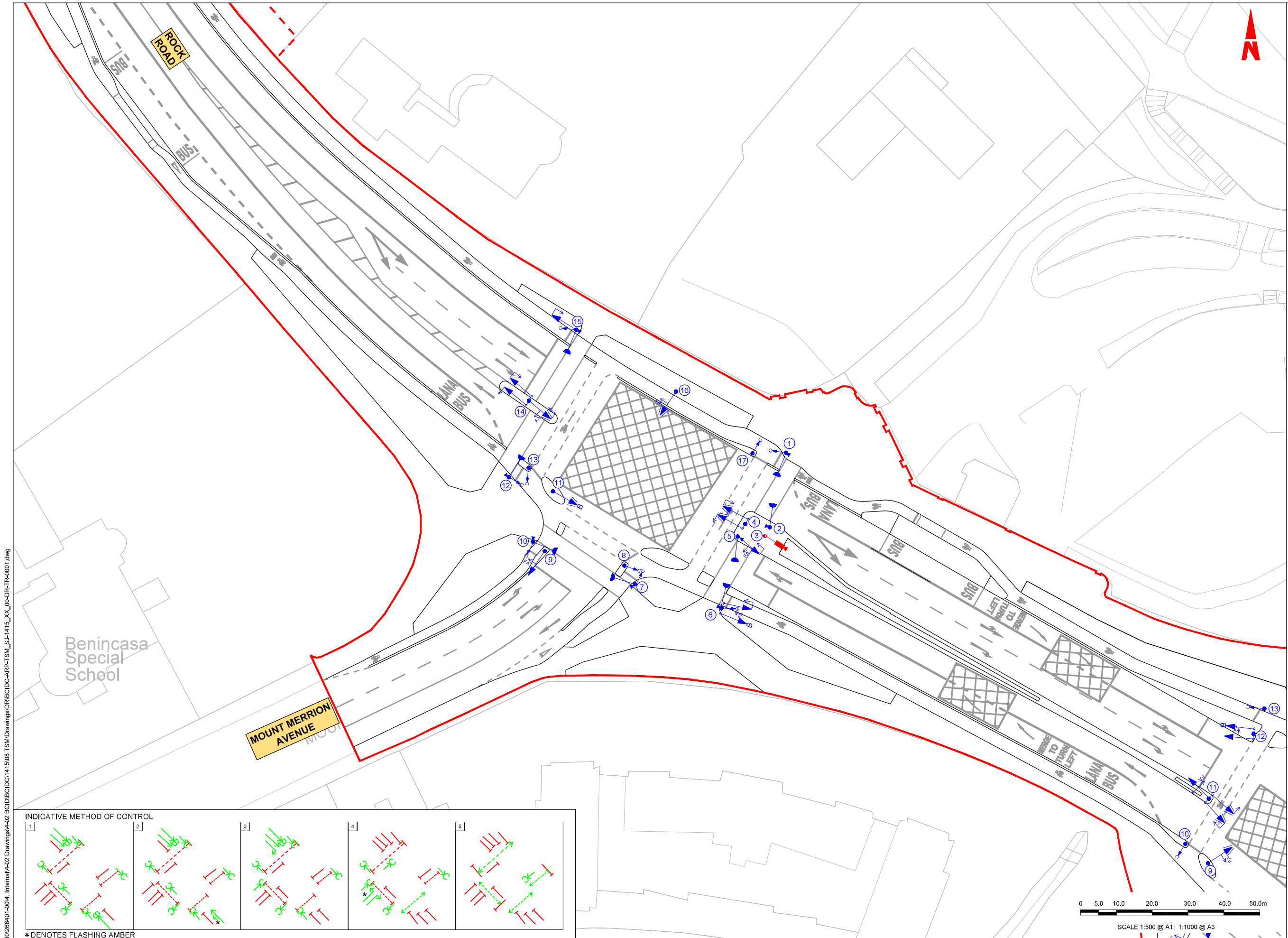
Rev	Date	Drn	Chk'd	App'd	Description
M01	04/03/2022	BM	BB	NH	ISSUE FOR PHASE 4: PLANNING

Date	04/03/2022	Scale	1:250 @ A1 1:500 @ A3
Project Code	BCIDC	Originator Code	ARP
QMS Code	268401-00	Drawn	BM
		Checked	BB
		Approved	NH

BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS	
Drawing Title BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN FRASCATI ROAD / ROCK HILL JUNCTION AND TOUCAN CROSSING	
Drawing File Name	BCIDC-ARP-TSM_SJ-1415_XX_00-DR-TR-0006
Sheet Number	06 of 31
Status	A
Rev	M01

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LEGEND:

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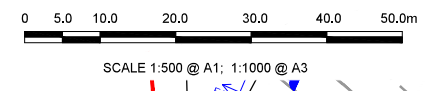
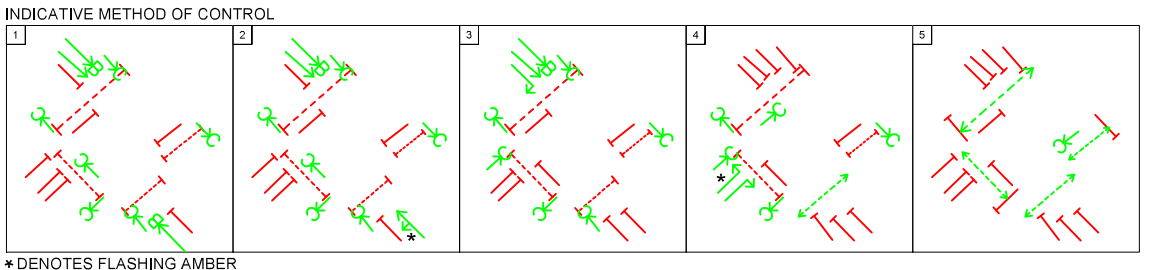
- RTS 002 (B) PRIMARY
- RTS 002 (B) SECONDARY
- RTS 002 (C) PRIMARY
- RTS 002 (C) SECONDARY
- RTS 002 (D) PRIMARY
- RTS 002 (D) SECONDARY
- RTS 004 PRIMARY
- RTS 004 SECONDARY
- RTS 004 PRIMARY
- RTS 004 SECONDARY
- RTS 007 (LOW LEVEL) PRIMARY
- RPC 004 PEDESTRIAN HEAD

TRAFFIC SIGNAL EQUIPMENT:

- POLE NUMBER
- POLE (STANDARD HEIGHT)
- PUSH BUTTON UNIT
- PAN / TILT / ZOOM CCTV CAMERA
- TALL POLE (CCTV/TRAFFIC SIGNALS)

GENERAL:

- SITE BOUNDARY LINE
- TEMPORARY LAND ACQUISITION



\\global\europa\dublin\joins\268401-00\4. Internal\4-02 Drawings\4-02 BCID\BCIDC1415\08 TSM\Drawings\DR\BCIDC-ARP-TSM_SJ-1415_XX_00-DR-TR-0001.dwg

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Rev	Date	Drn	Chk'd	App'd	Description
M01	04/03/2022	BM	BB	NH	ISSUE FOR PHASE 4: PLANNING

Client: **NTA**
Udarás Náisiúnta Iompair
National Transport Authority

Date: 04/03/2022
Scale: 1:250 @ A1
1:500 @ A3

Engineering Designer: **ARUP**

Drawn: BM
Checked: BB
Approved: NH

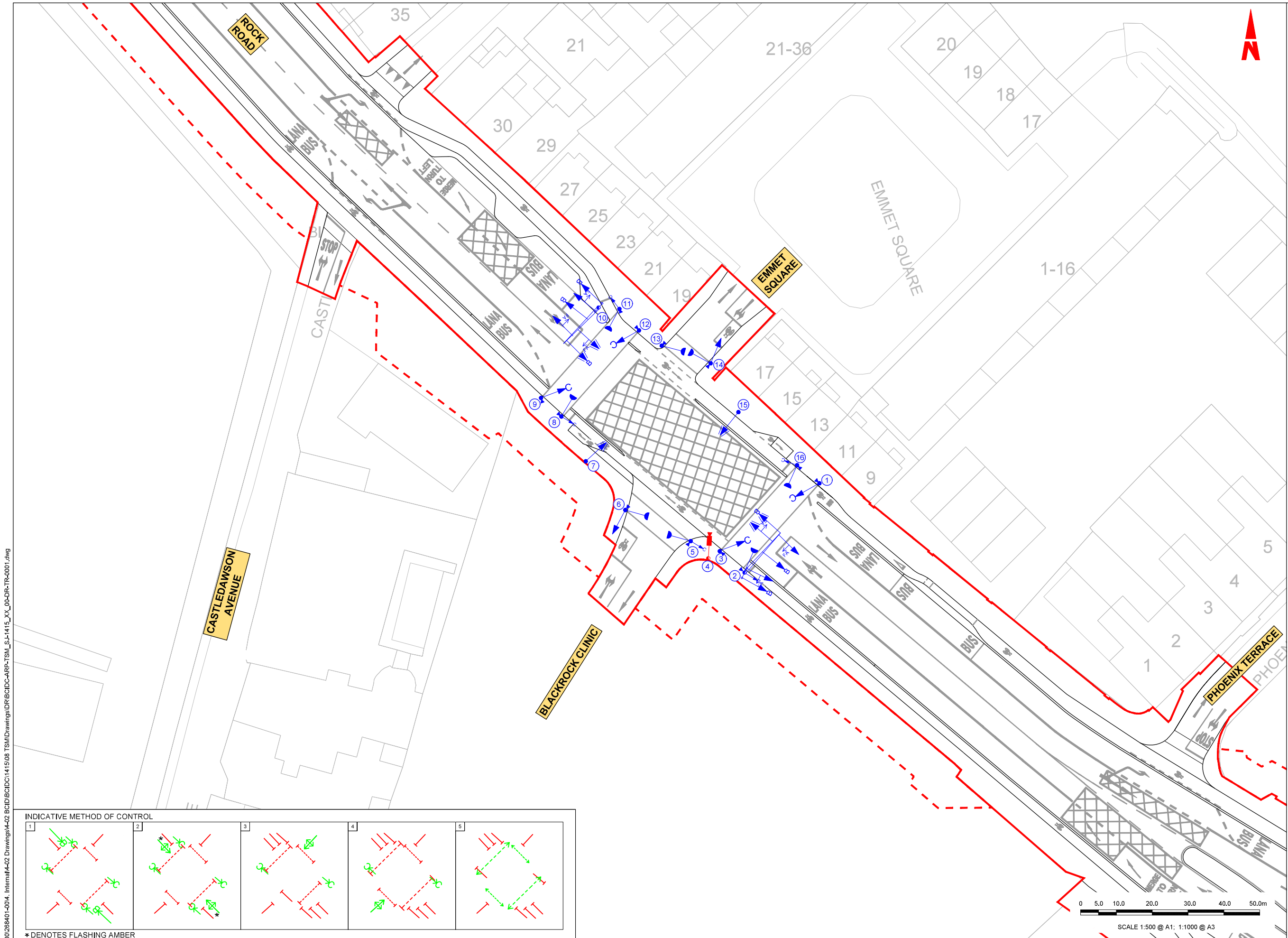
Project Code: BCIDC
Originator Code: ARP
QMS Code: 268401-00

Programme Title: **BUSCONNECTS DUBLIN**
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

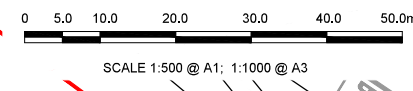
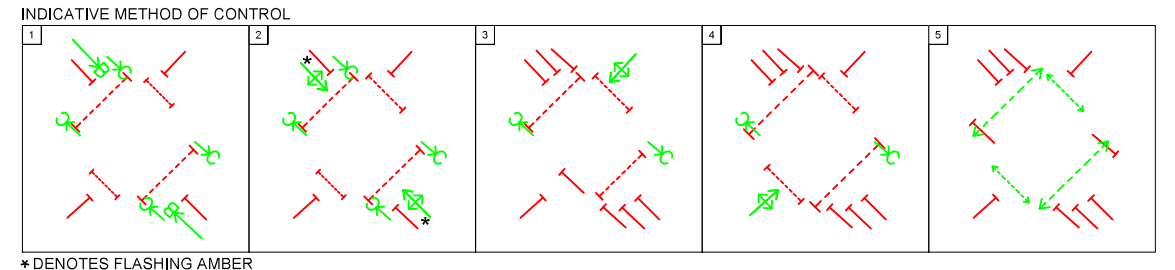
Drawing Title: BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME
JUNCTION SYSTEMS DESIGN
ROCK ROAD / MOUNT MERRION AVENUE JUNCTION

Drawing File Name: BCIDC-ARP-TSM_SJ-1415_XX_00-DR-TR-0007
Sheet Number: 07 of 31
Status: A
Rev: M01

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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 001 PRIMARY
 - RTS 001 SECONDARY
 - RTS 002 (D) PRIMARY
 - RTS 002 (D) SECONDARY
 - RTS 004 PRIMARY
 - RTS 004 SECONDARY
 - RPC 004 PEDESTRIAN HEAD
 - RTS 007 (HIGH LEVEL) PRIMARY
 - RTS 007 (LOW LEVEL) PRIMARY
- TRAFFIC SIGNAL EQUIPMENT:**
- POLE (STANDARD HEIGHT)
 - PUSH BUTTON UNIT
 - MAST ARM (VARIABLE LENGTH)
 - TALL POLE (TRAFFIC SIGNALS)
 - PAN / TILT / ZOOM CCTV CAMERA
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
 - POLE NUMBER
- GENERAL:**
- SITE BOUNDARY LINE
 - TEMPORARY LAND ACQUISITION



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Rev	Date	Drn	Chk'd	App'd	Description
M01	04/03/2022	BM	BB	NH	ISSUE FOR PHASE 4: PLANNING

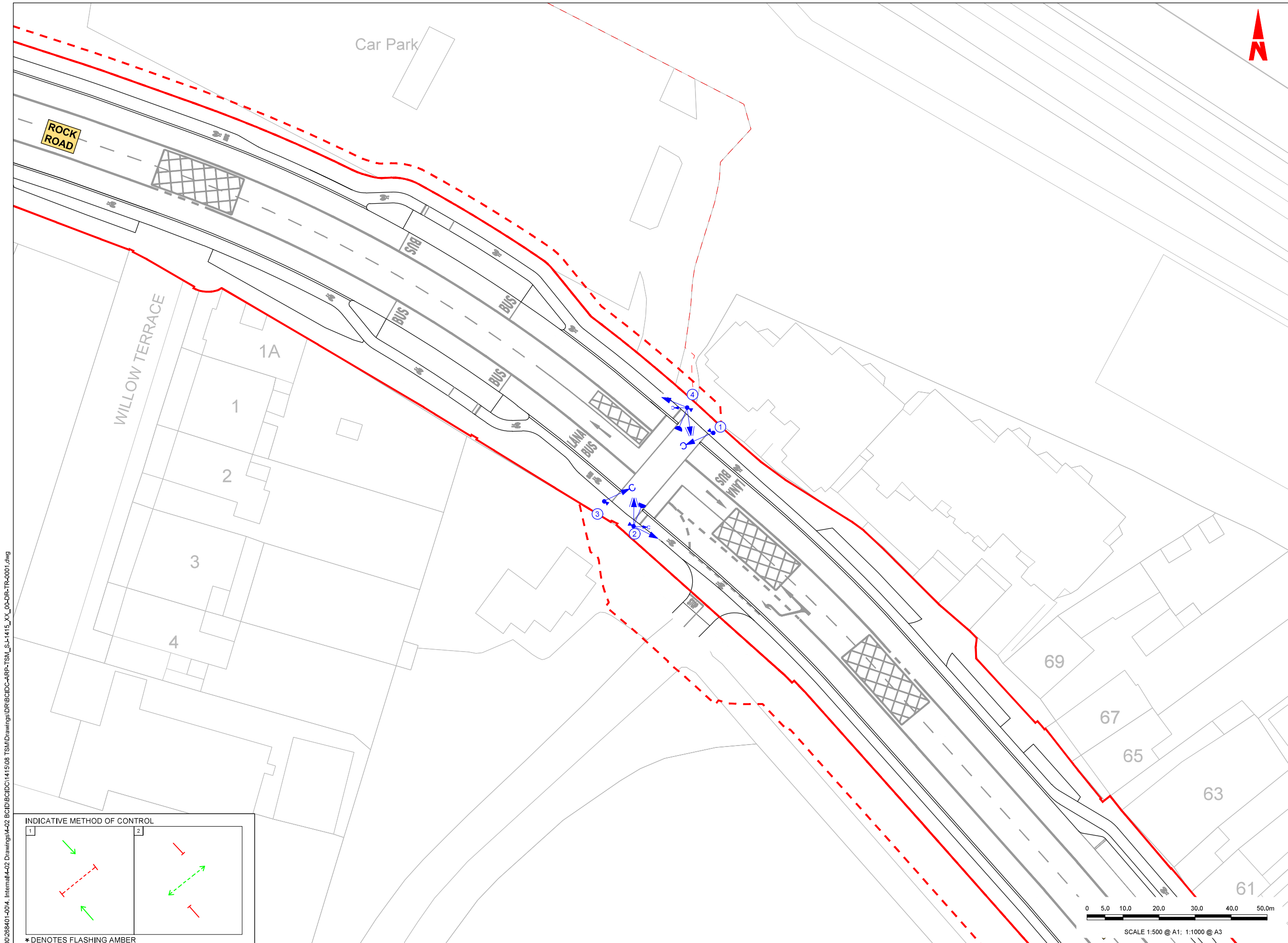
Client

Engineering Designer

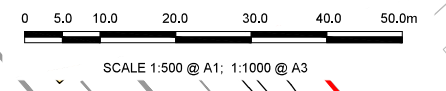
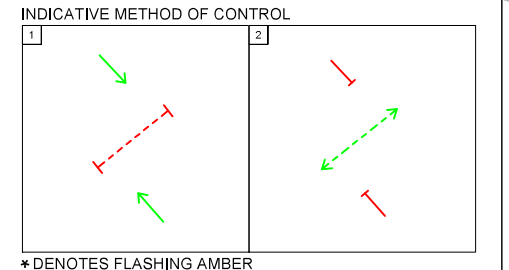
Programme Title		BUSCONNECTS DUBLIN		
		CORE BUS CORRIDORS INFRASTRUCTURE WORKS		
Drawing Title				
BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME				
JUNCTION SYSTEMS DESIGN				
ROCK ROAD / EMMET SQUARE JUNCTION / BLACKROCK CLINIC				
Drawing File Name	Sheet Number	Status	Rev	
BCIDC-ARP-TSM_SJ-1415_XX_00-DR-TR-0008	08 of 31	A	M01	

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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
 - RTS 001 PRIMARY
 - RTS 001 SECONDARY
 - RPC 004 PEDESTRIAN HEAD
 - RTS 007 (HIGH LEVEL) PRIMARY
 - RTS 007 (LOW LEVEL) PRIMARY
 - TRAFFIC SIGNAL EQUIPMENT:**
 - PUSH BUTTON UNIT
 - POLE (STANDARD HEIGHT)
 - POLE NUMBER
 - GENERAL:**
 - SITE BOUNDARY LINE
 - TEMPORARY LAND ACQUISITION



\\global\europa\dublin\joins\268400\268401-00\4. Internal\4-02 Drawings\4-02 BCID\BCID\1415\08 TSM\Drawings\DR\BCID\ARP-TSM_SJ-1415_XX_00-DR-TR-0001.dwg

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Rev	Date	Drn	Chk'd	App'd	Description
M01	04/03/2022	BM	BB	NH	ISSUE FOR PHASE 4: PLANNING

Client: **NTA**
Udarás Náisiúnta Iompair
National Transport Authority

Engineering Designer: **ARUP**

Date: 04/03/2022
Scale: 1:250 @ A1
1:500 @ A3

Project Code: BCIDC
Originator Code: ARP

Drawn: BM
Checked: BB
Approved: NH

QMS Code: 268401-00

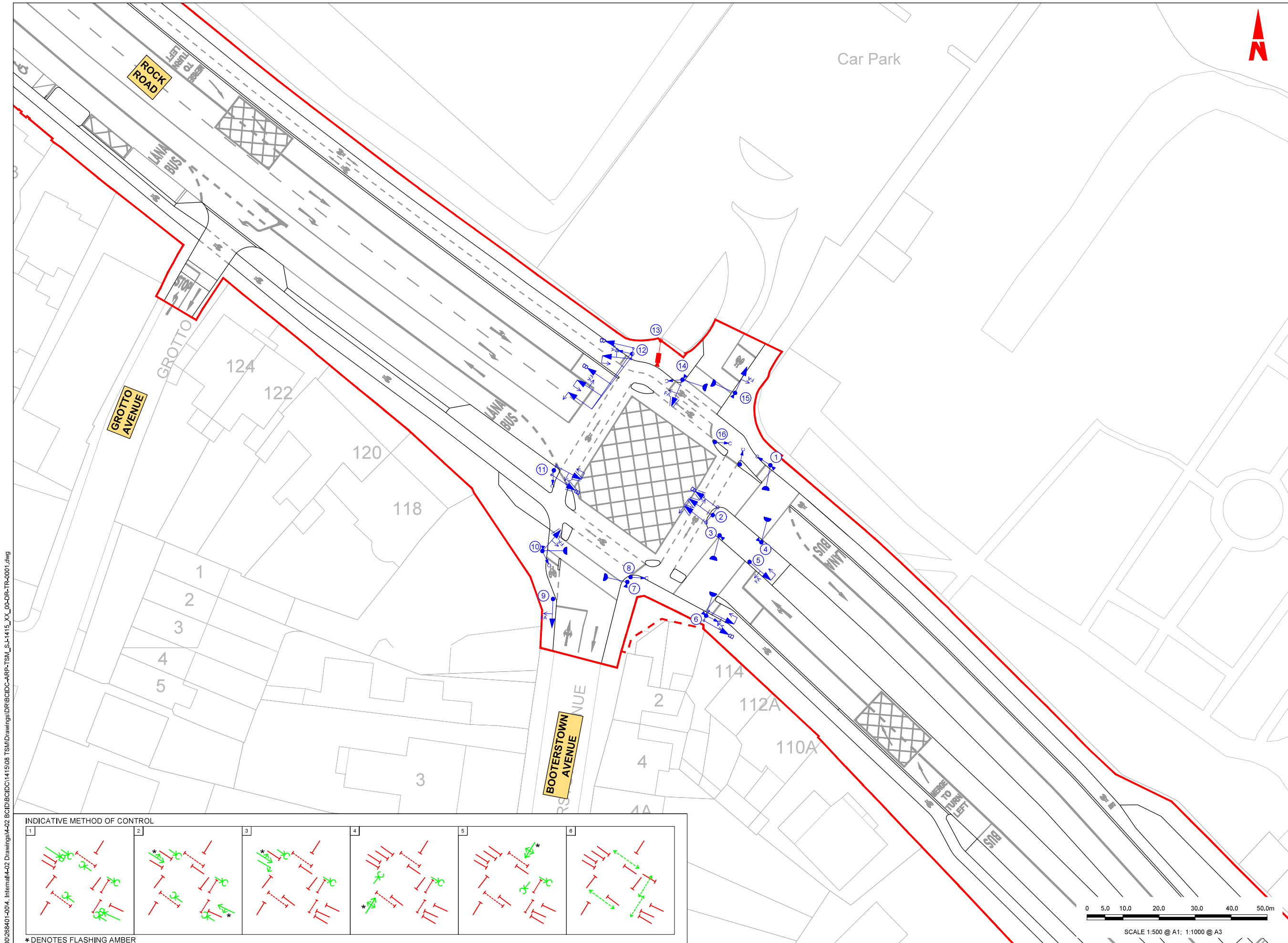
Programme Title: **BUSCONNECTS DUBLIN
CORE BUS CORRIDORS INFRASTRUCTURE WORKS**

Drawing Title: **BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME
JUNCTION SYSTEMS DESIGN
ROCK ROAD TOUCAN CROSSING**

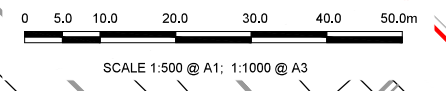
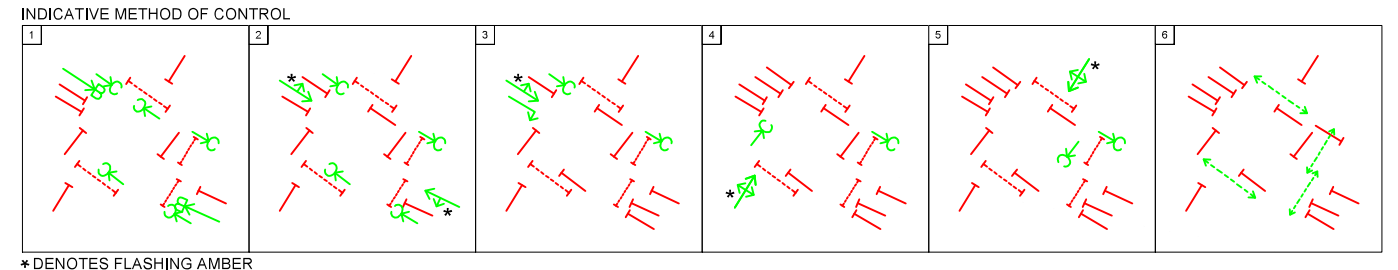
Drawing File Name: BCIDC-ARP-TSM_SJ-1415_XX_00-DR-TR-0009

Sheet Number: 09 of 31
Status: A
Rev: M01

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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 002 (C) PRIMARY
 - RTS 002 (C) SECONDARY
 - RTS 002 (D) PRIMARY
 - RTS 002 (D) SECONDARY
 - RTS 004 PRIMARY
 - RTS 004 SECONDARY
 - RTS 004 PRIMARY
 - RTS 004 SECONDARY
 - RTS 007 (LOW LEVEL) PRIMARY
 - RPC 004 PEDESTRIAN HEAD
- TRAFFIC SIGNAL EQUIPMENT:**
- POLE NUMBER
 - POLE (STANDARD HEIGHT)
 - PUSH BUTTON UNIT
 - MAST ARM (VARIABLE LENGTH)
 - TALL POLE (TRAFFIC SIGNALS)
 - PAN / TILT / ZOOM CCTV CAMERA
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
- GENERAL:**
- SITE BOUNDARY LINE
 - TEMPORARY LAND ACQUISITION



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Rev	Date	Drn	Chk'd	App'd	Description
M01	04/03/2022	BM	BB	NH	ISSUE FOR PHASE 4: PLANNING

Client: **NTA**
Udarás Náisiúnta Iompair
National Transport Authority

Engineering Designer: **ARUP**

Date: 04/03/2022
Scale: 1:250 @ A1
1:500 @ A3

Project Code: BCIDC
Originator Code: ARP

Drawn: BM
Checked: BB
Approved: NH

QMS Code: 268401-00

Programme Title: **BUSCONNECTS DUBLIN
CORE BUS CORRIDORS INFRASTRUCTURE WORKS**

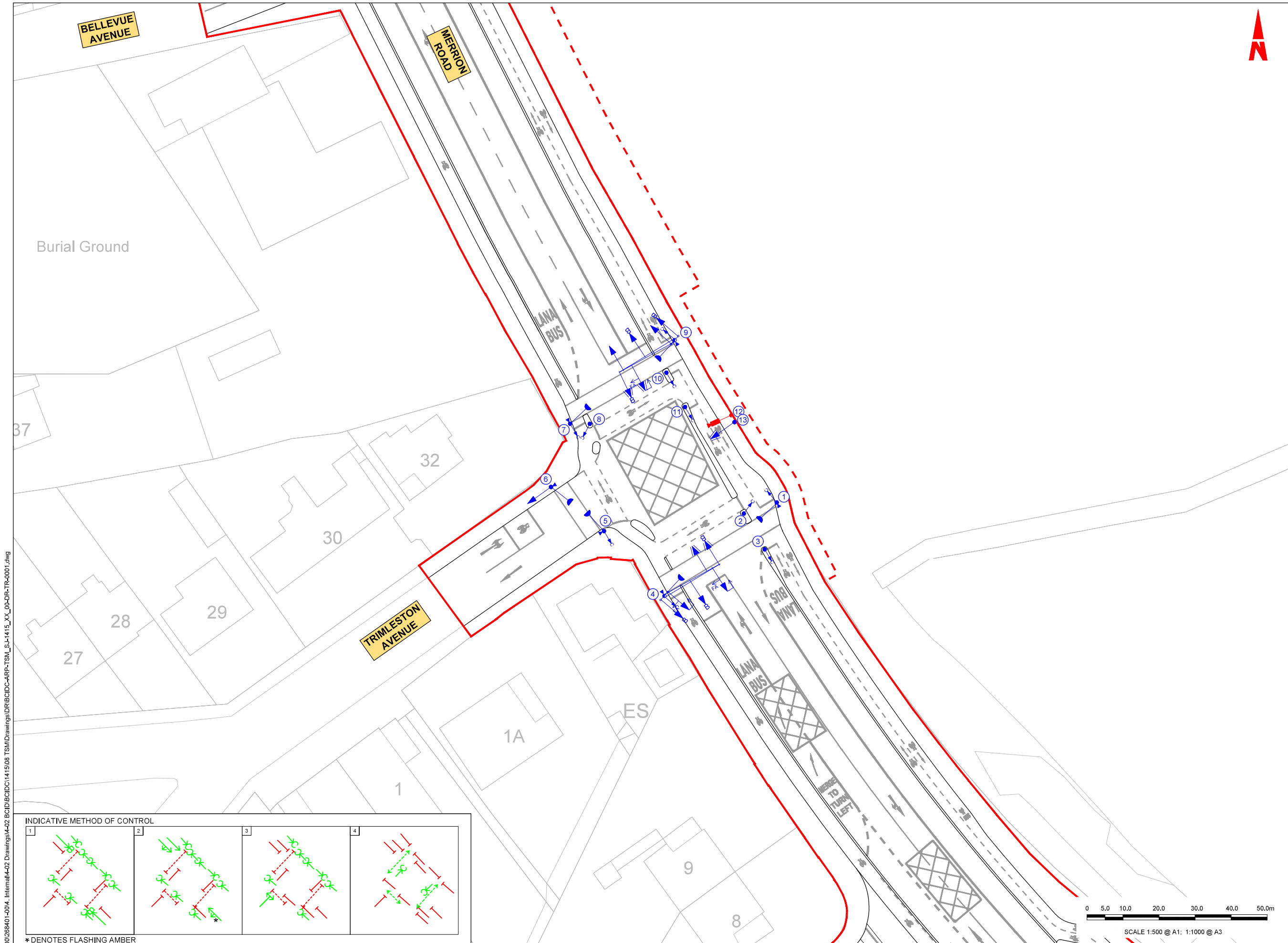
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JUNCTION SYSTEMS DESIGN
ROCK ROAD / BOOTERSTOWN AVENUE JUNCTION

Drawing File Name: BCIDC-ARP-TSM_SJ-1415_XX_00-DR-TR-0010

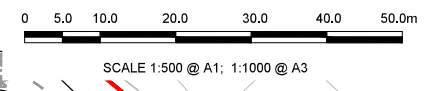
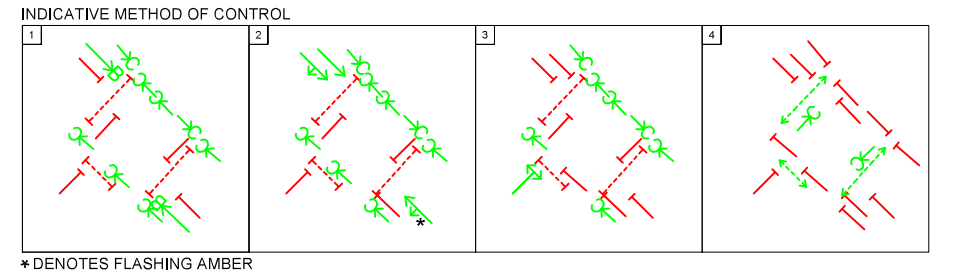
Sheet Number: 10 of 31
Status: A
Rev: M01

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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 001 PRIMARY
 - RTS 001 SECONDARY
 - RTS 002 (D) PRIMARY
 - RTS 002 (D) SECONDARY
 - RTS 004 PRIMARY
 - RTS 004 SECONDARY
 - RTS 007 (LOW LEVEL) PRIMARY
 - RPC 004 PEDESTRIAN HEAD
- TRAFFIC SIGNAL EQUIPMENT:**
- POLE NUMBER
 - POLE (STANDARD HEIGHT)
 - PUSH BUTTON UNIT
 - MAST ARM (VARIABLE LENGTH)
 - TALL POLE (TRAFFIC SIGNALS)
 - PAN / TILT / ZOOM CCTV CAMERA
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
- GENERAL:**
- SITE BOUNDARY LINE
 - TEMPORARY LAND ACQUISITION



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Rev	Date	Drn	Chk'd	App'd	Description
M01	04/03/2022	BM	BB	NH	ISSUE FOR PHASE 4: PLANNING

Client: **NTA**
Udarás Náisiúnta Iompair
National Transport Authority

Date: 04/03/2022
Scale: 1:250 @ A1
1:500 @ A3

Project Code: BCIDC
Originator Code: ARP

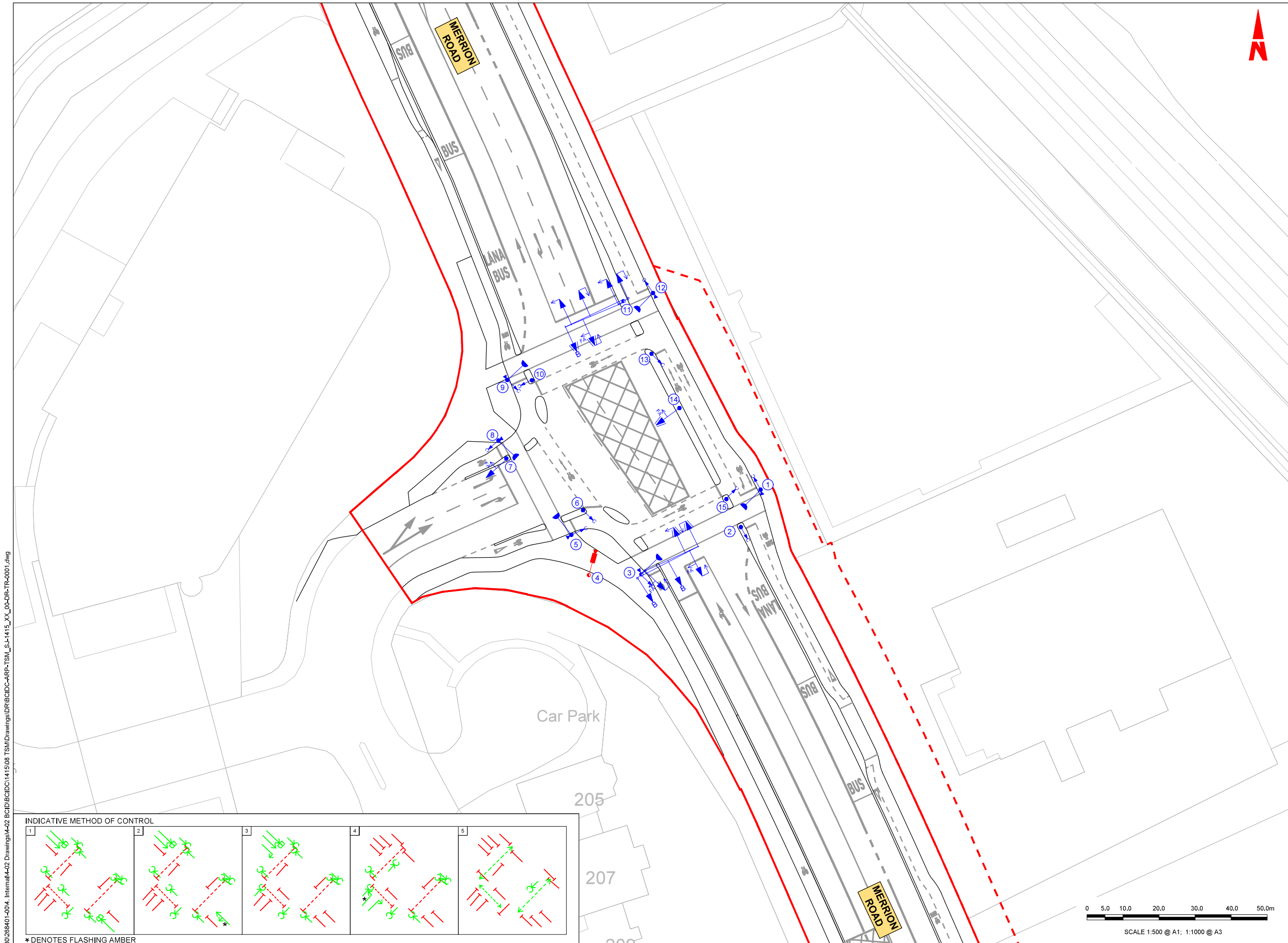
Engineering Designer: **ARUP**

Drawn: BM
Checked: BB
Approved: NH

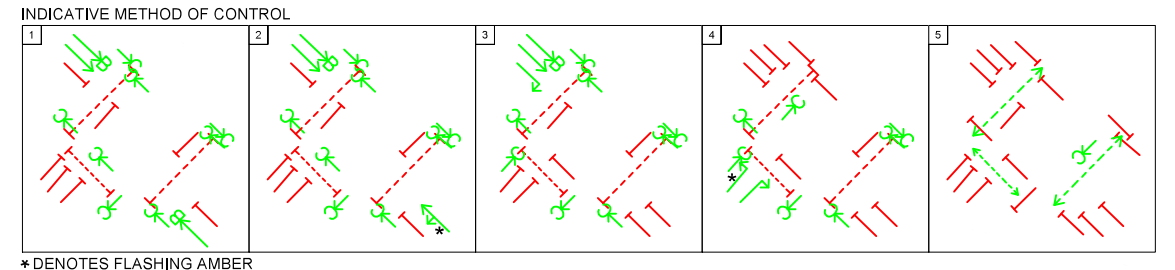
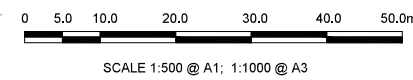
QMS Code: 268401-00

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN ROCK ROAD / TRIMLESTON AVENUE JUNCTION			
Drawing File Name: BCIDC-ARP-TSM_SJ-1415_XX_00-DR-TR-0011	Sheet Number: 11 of 31	Status: A	Rev: M01

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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 002 (C) PRIMARY
 - RTS 002 (C) SECONDARY
 - RTS 002 (B) PRIMARY
 - RTS 002 (B) SECONDARY
 - RTS 002 (D) PRIMARY
 - RTS 002 (D) SECONDARY
 - RTS 004 PRIMARY
 - RTS 004 SECONDARY
 - RTS 004 PRIMARY
 - RTS 004 SECONDARY
 - RTS 007 (LOW LEVEL) PRIMARY
 - RPC 004 PEDESTRIAN HEAD
- TRAFFIC SIGNAL EQUIPMENT:**
- POLE NUMBER
 - POLE (STANDARD HEIGHT)
 - PUSH BUTTON UNIT
 - MAST ARM (VARIABLE LENGTH)
 - TALL POLE (TRAFFIC SIGNALS)
 - PAN / TILT / ZOOM CCTV CAMERA
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
- GENERAL:**
- SITE BOUNDARY LINE
 - TEMPORARY LAND ACQUISITION



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Rev	Date	Drn	Chk'd	App'd	Description
M01	04/03/2022	BM	BB	NH	ISSUE FOR PHASE 4: PLANNING

Client: **NTA**
Udarás Náisiúnta Iompair
National Transport Authority

Date: 04/03/2022
Scale: 1:250 @ A1
1:500 @ A3

Project Code: BCIDC
Originator Code: ARP

Engineering Designer: **ARUP**

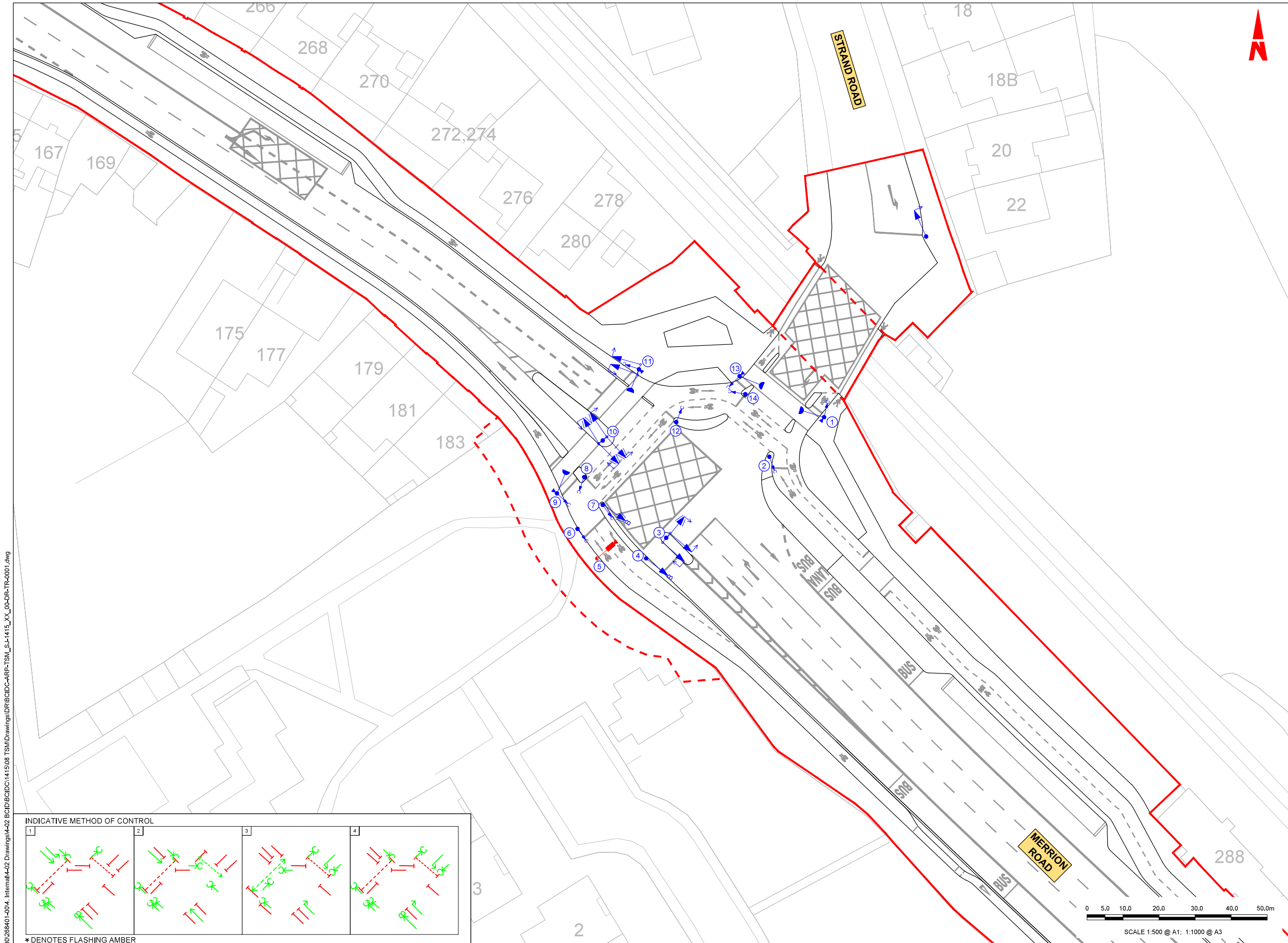
Drawn: BM
Checked: BB
Approved: NH

QMS Code: 268401-00

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN MERRION ROAD / ELMPARK GREEN JUNCTION			
Drawing File Name: BCIDC-ARP-TSM_SJ-1415_XX_00-DR-TR-0012	Sheet Number: 12 of 31	Status: A	Rev: M01

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LEGEND:

TRAFFIC SIGNAL HEADS:

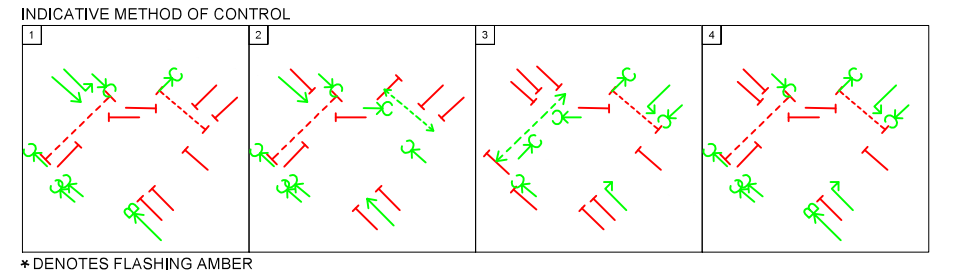
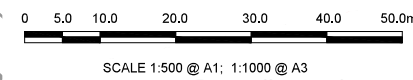
- RTS 002 (C) PRIMARY
- RTS 002 (C) SECONDARY
- RTS 002 (B) PRIMARY
- RTS 002 (B) SECONDARY
- RTS 002 (D) PRIMARY
- RTS 002 (D) SECONDARY
- RTS 007 (LOW LEVEL) PRIMARY
- RPC 004 PEDESTRIAN HEAD

TRAFFIC SIGNAL EQUIPMENT:

- POLE (STANDARD HEIGHT)
- TALL POLE (CCTV/TRAFFIC SIGNALS)
- PUSH BUTTON UNIT
- PAN / TILT / ZOOM CCTV CAMERA
- POLE NUMBER

GENERAL:

- SITE BOUNDARY LINE
- TEMPORARY LAND ACQUISITION



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Rev	Date	Drn	Chk'd	App'd	Description
M01	04/03/2022	BM	BB	NH	ISSUE FOR PHASE 4: PLANNING

Client: **NTA**
Údarás Náisiúnta Iompair
National Transport Authority

Engineering Designer: **ARUP**

Date: 04/03/2022
Scale: 1:250 @ A1
1:500 @ A3

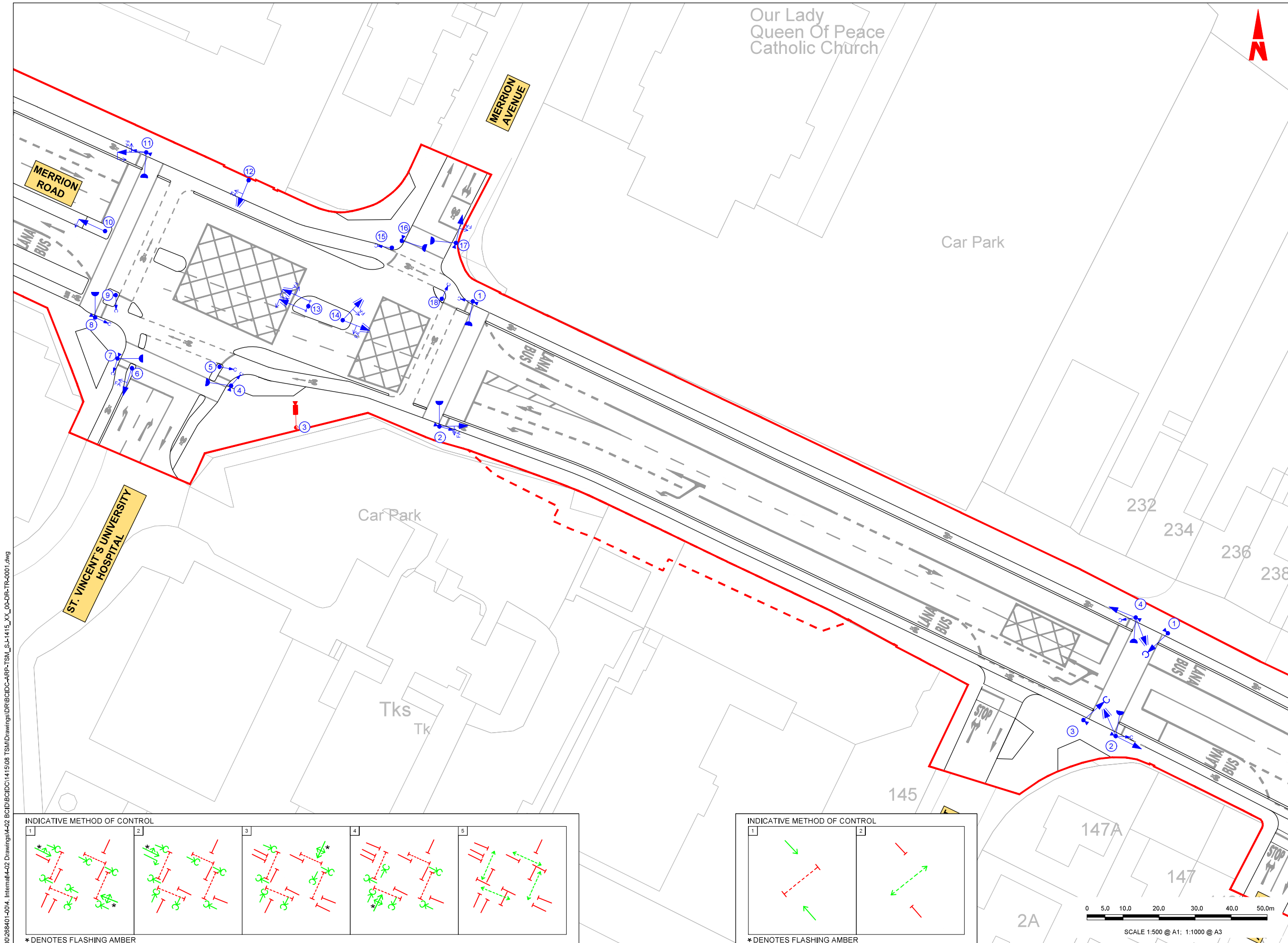
Drawn: BM
Checked: BB
Approved: NH

Project Code: BCIDC
Originator Code: ARP
QMS Code: 268401-00

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN MERRION ROAD / STRAND ROAD JUNCTION			
Drawing File Name: BCIDC-ARP-TSM_SJ-1415_XX_00-DR-TR-0013	Sheet Number: 13 of 31	Status: A	Rev: M01

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LEGEND:

TRAFFIC SIGNAL HEADS:

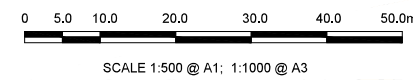
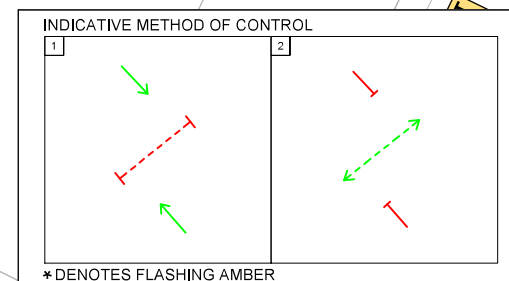
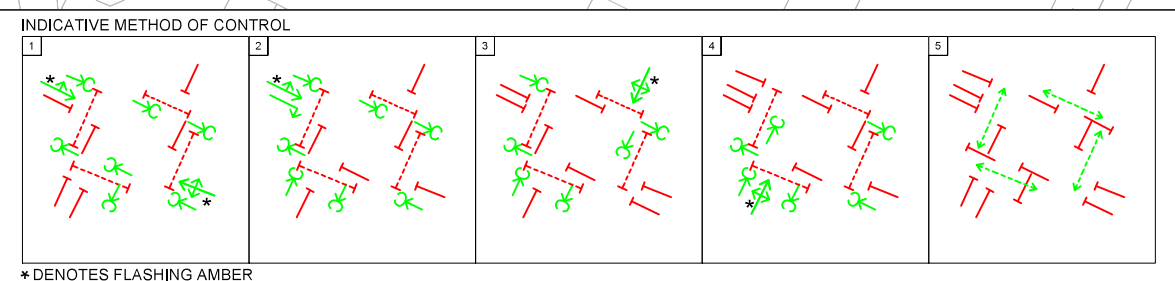
- RTS 001 PRIMARY
- RTS 001 SECONDARY
- RTS 002 (C) PRIMARY
- RTS 002 (C) SECONDARY
- RTS 004 PRIMARY
- RTS 004 SECONDARY
- RTS 004 PRIMARY
- RTS 004 SECONDARY
- RTS 007 (HIGH LEVEL) PRIMARY
- RTS 007 (LOW LEVEL) PRIMARY
- RPC 004 PEDESTRIAN HEAD

TRAFFIC SIGNAL EQUIPMENT:

- POLE (STANDARD HEIGHT)
- TALL POLE (CCTV/TRAFFIC SIGNALS)
- PUSH BUTTON UNIT
- POLE NUMBER
- PAN / TILT / ZOOM CCTV CAMERA

GENERAL:

- SITE BOUNDARY LINE
- TEMPORARY LAND ACQUISITION



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Rev	Date	Drn	Chk'd	App'd	Description
M01	04/03/2022	BM	BB	NH	ISSUE FOR PHASE 4: PLANNING

Client: **NTA**
Údarás Náisiúnta Iompair
National Transport Authority

Engineering Designer: **ARUP**

Date: 04/03/2022
Scale: 1:250 @ A1
1:500 @ A3

Drawn: BM
Checked: BB
Approved: NH

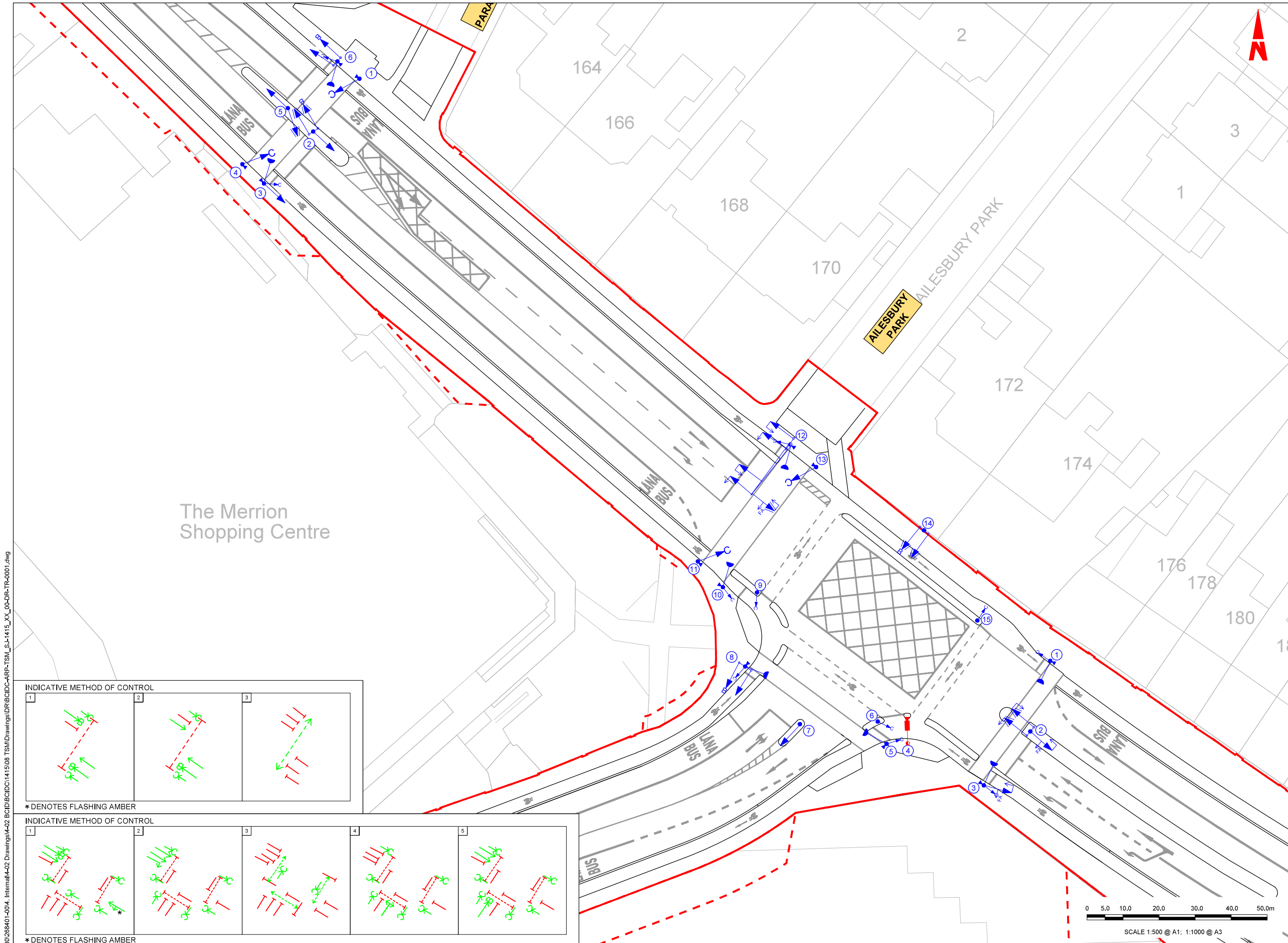
Project Code: BCIDC
Originator Code: ARP
QMS Code: 268401-00

Programme Title: **BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS**

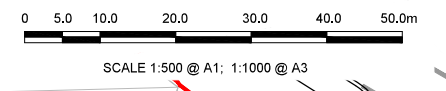
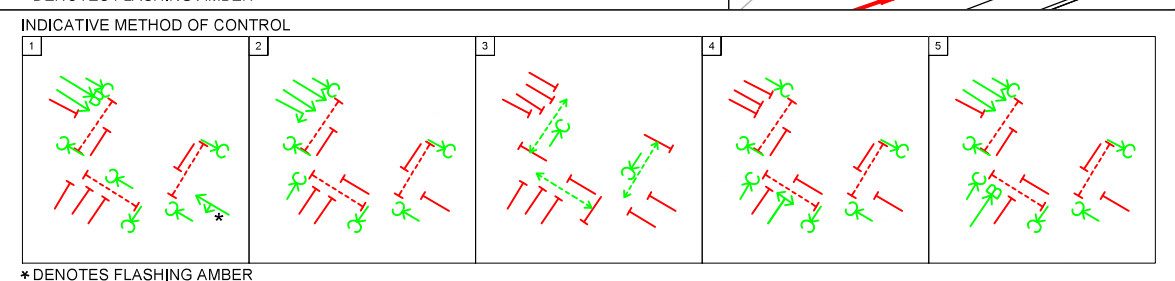
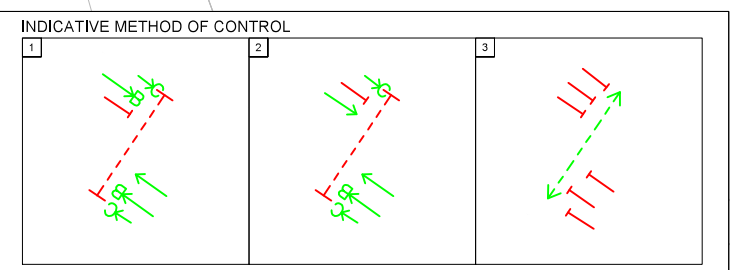
Drawing Title: BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN
MERRION ROAD / ST VINCENTS UNIVERSITY HOSPITAL JUNCTION AND TOUCAN CROSSING

Drawing File Name: BCIDC-ARP-TSM_SJ-1415_XX_00-DR-TR-0014
Sheet Number: 14 of 31
Status: A
Rev: M01

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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RPC 004 PEDESTRIAN HEAD
 - RTS 001 PRIMARY
 - RTS 001 SECONDARY
 - RTS 002 (B) PRIMARY
 - RTS 002 (B) SECONDARY
 - RTS 002 (C) PRIMARY
 - RTS 002 (C) SECONDARY
 - RTS 002 (D) PRIMARY
 - RTS 002 (D) SECONDARY
 - RTS 004 PRIMARY
 - RTS 004 SECONDARY
 - RTS 007 (HIGH LEVEL) PRIMARY
 - RTS 007 (LOW LEVEL) PRIMARY
- TRAFFIC SIGNAL EQUIPMENT:**
- POLE (STANDARD HEIGHT)
 - TALL POLE (TRAFFIC SIGNALS)
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
 - MAST ARM (VARIABLE LENGTH)
 - PUSH BUTTON UNIT
 - POLE NUMBER
 - PAN / TILT / ZOOM CCTV CAMERA
- GENERAL:**
- SITE BOUNDARY LINE
 - TEMPORARY LAND ACQUISITION



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Rev	Date	Drn	Chk'd	App'd	Description
M01	04/03/2022	BM	BB	NH	ISSUE FOR PHASE 4: PLANNING

Client

Date: 04/03/2022
Project Code: BCIDC
Originator Code: ARP

Engineering Designer

Drawn: BM
Checked: BB
Approved: NH

QMS Code: 268401-00

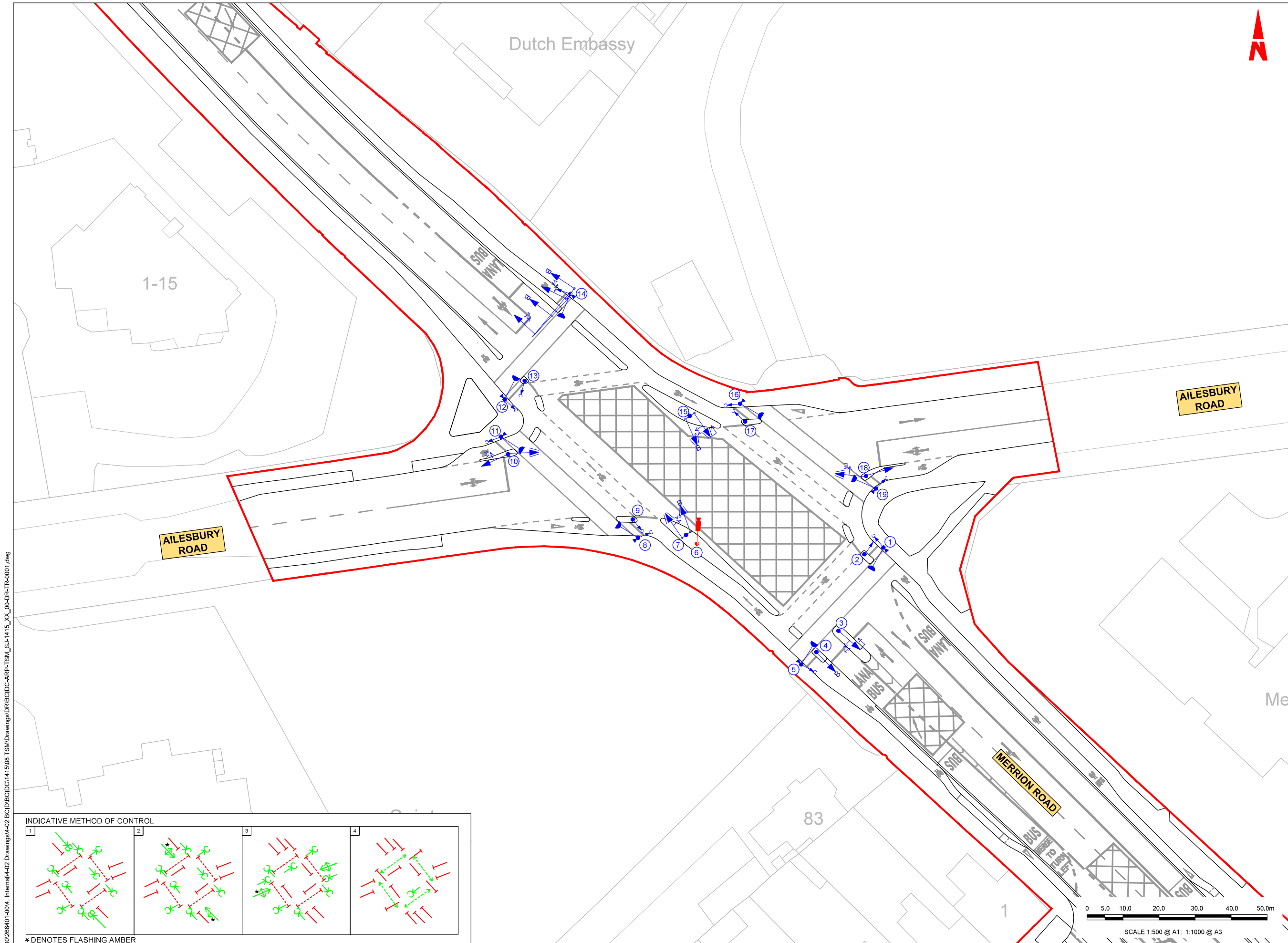
Programme Title: **BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS**

Drawing Title: BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN MERRION ROAD / NUTLEY LANE JUNCTION AND TOUCAN CROSSING

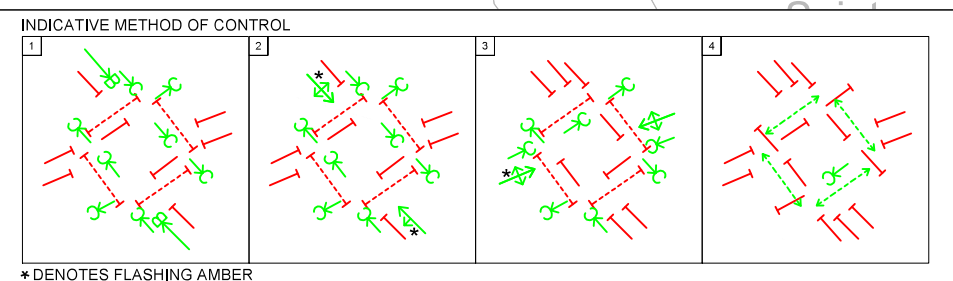
Drawing File Name: BCIDC-ARP-TSM_SJ-1415_XX_00-DR-TR-0015

Sheet Number: 15 of 31 | Status: A | Rev: M01

DO NOT SCALE USE FIGURED DIMENSIONS ONLY



- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 001 PRIMARY
 - RTS 001 SECONDARY
 - RTS 002 (D) PRIMARY
 - RTS 002 (D) SECONDARY
 - RTS 004 PRIMARY
 - RTS 004 SECONDARY
 - RTS 004 PRIMARY
 - RTS 004 SECONDARY
 - RTS 007 (LOW LEVEL) PRIMARY
 - RPC 004 PEDESTRIAN HEAD
- TRAFFIC SIGNAL EQUIPMENT:**
- POLE (STANDARD HEIGHT)
 - TALL POLE (TRAFFIC SIGNALS)
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
 - PUSH BUTTON UNIT
 - MAST ARM (VARIABLE LENGTH)
 - POLE NUMBER
 - PAN / TILT / ZOOM CCTV CAMERA
- GENERAL:**
- SITE BOUNDARY LINE
 - TEMPORARY LAND ACQUISITION



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Rev	Date	Drn	Chk'd	App'd	Description
M01	04/03/2022	BM	BB	NH	ISSUE FOR PHASE 4: PLANNING

Client: **NTA**
Udarás Náisiúnta Iompair
National Transport Authority

Engineering Designer: **ARUP**

Date: 04/03/2022
Scale: 1:250 @ A1
1:500 @ A3

Project Code: BCDC
Originator Code: ARP

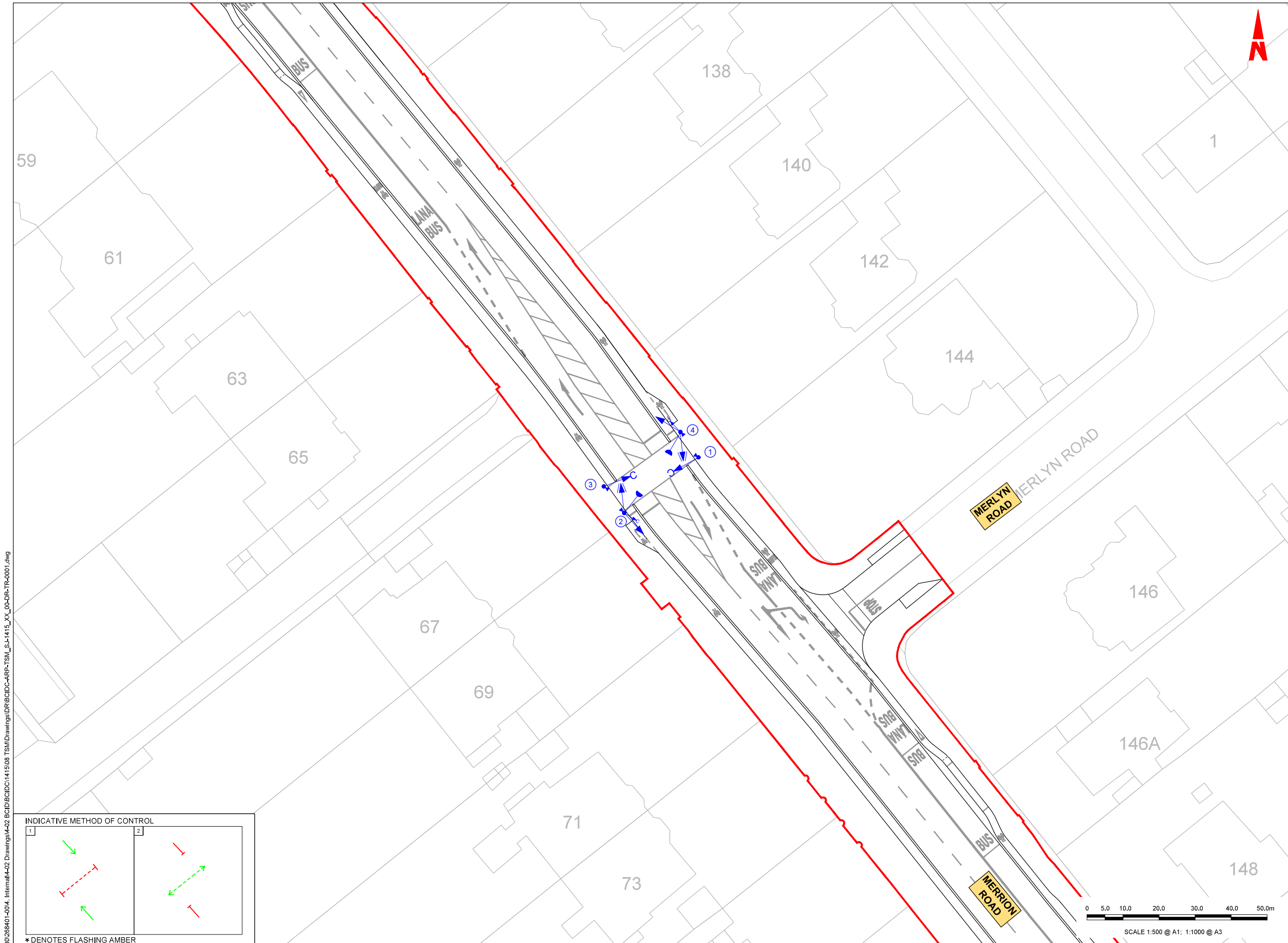
Drawn: BM
Checked: BB
Approved: NH

QMS Code: 268401-00

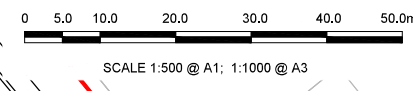
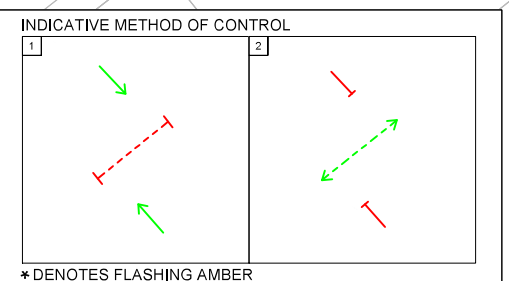
Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN MERRION ROAD / AILESBUARY ROAD JUNCTION			
Drawing File Name: BCDC-ARP-TSM_SJ-1415_XX_00-DR-TR-0016	Sheet Number: 16 of 31	Status: A	Rev: M01

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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
 - RTS 001 PRIMARY
 - RTS 001 SECONDARY
 - RPC 004 PEDESTRIAN HEAD
 - RTS 007 (HIGH LEVEL) PRIMARY
 - RTS 007 (LOW LEVEL) PRIMARY
 - TRAFFIC SIGNAL EQUIPMENT:**
 - POLE (STANDARD HEIGHT)
 - PUSH BUTTON UNIT
 - POLE NUMBER
 - GENERAL:**
 - SITE BOUNDARY LINE
 - TEMPORARY LAND ACQUISITION



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Project Ireland 2040
 Building Ireland's Future

Rev	Date	Drn	Chk'd	App'd	Description
M01	04/03/2022	BM	BB	NH	ISSUE FOR PHASE 4: PLANNING

Client
NTA
 Udarás Náisiúnta Iompair
 National Transport Authority

Engineering Designer
ARUP

Date: 04/03/2022
 Scale: 1:250 @ A1
 1:500 @ A3

Project Code: BCIDC
 Originator Code: ARP

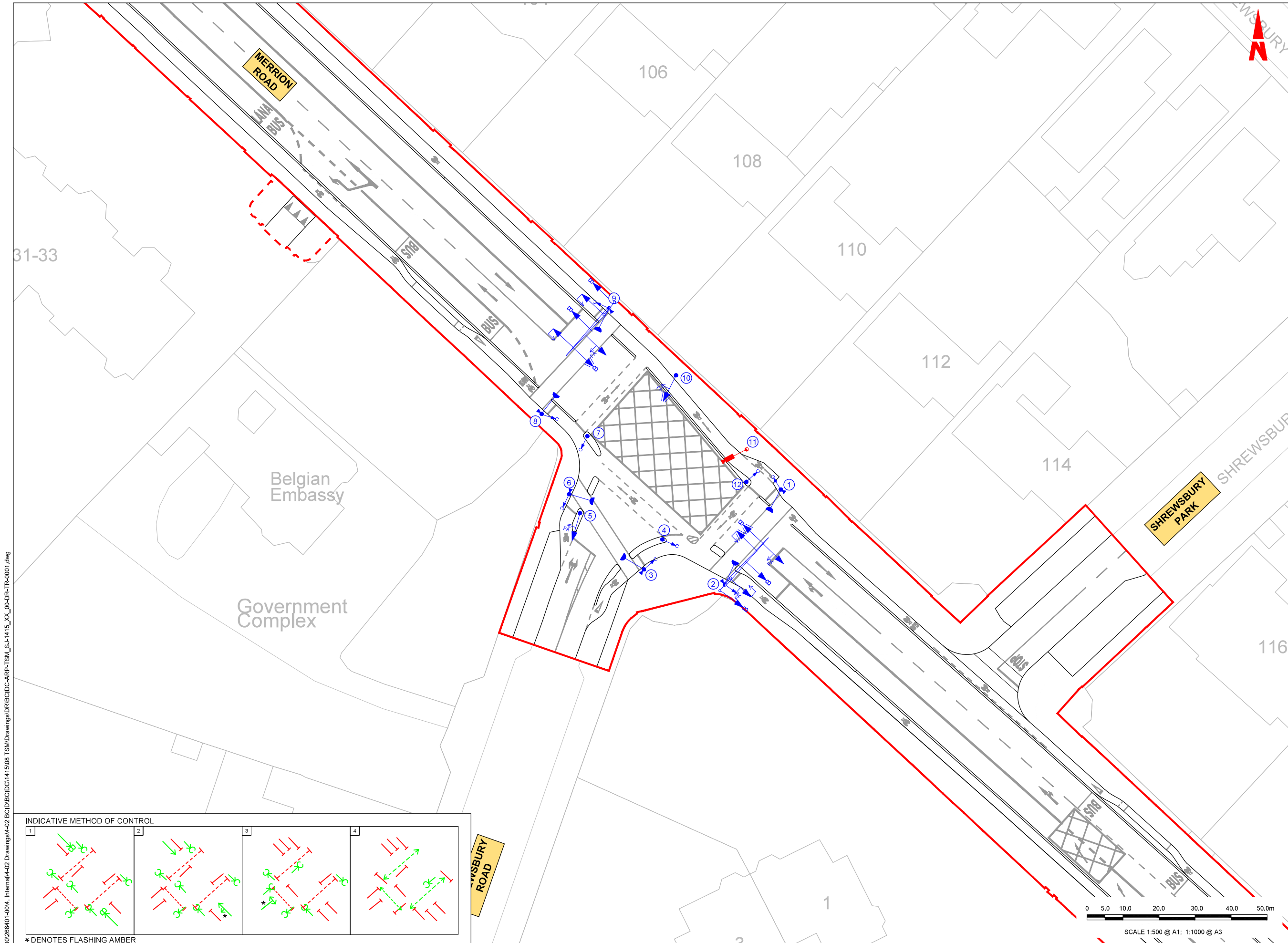
Drawn: BM
 Checked: BB
 Approved: NH

QMS Code: 268401-00

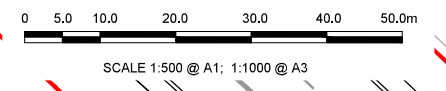
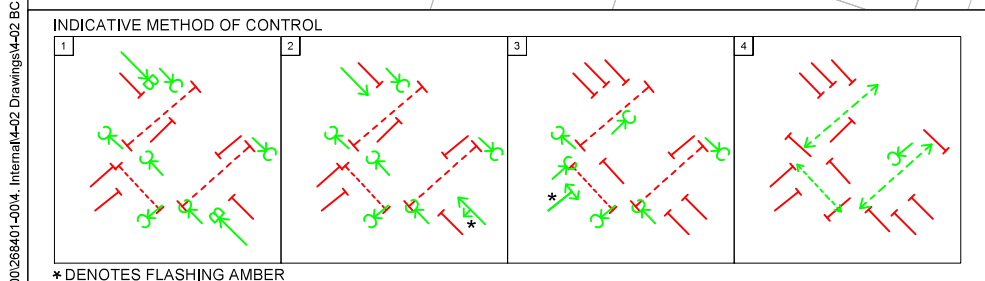
Programme Title		Drawing Title	
BUSCONNECTS DUBLIN		BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME	
CORE BUS CORRIDORS INFRASTRUCTURE WORKS		JUNCTION SYSTEMS DESIGN	
		MERRION ROAD TOUCAN CROSSING	

Drawing File Name	Sheet Number	Status	Rev
BCIDC-ARP-TSM_SJ-1415_XX_00-DR-TR-0017	17 of 31	A	M01

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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 002 (B) PRIMARY
 - RTS 002 (B) SECONDARY
 - RTS 002 (D) PRIMARY
 - RTS 002 (D) SECONDARY
 - RTS 004 PRIMARY
 - RTS 004 SECONDARY
 - RPC 004 PEDESTRIAN HEAD
- TRAFFIC SIGNAL EQUIPMENT:**
- RTS 007 (LOW LEVEL) PRIMARY
 - POLE (STANDARD HEIGHT)
 - TALL POLE (TRAFFIC SIGNALS)
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
 - MAST ARM (VARIABLE LENGTH)
 - PUSH BUTTON UNIT
 - POLE NUMBER
 - PAN / TILT / ZOOM CCTV CAMERA
- GENERAL:**
- SITE BOUNDARY LINE
 - TEMPORARY LAND ACQUISITION



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Rev	Date	Drn	Chk'd	App'd	Description
M01	04/03/2022	BM	BB	NH	ISSUE FOR PHASE 4: PLANNING

Client: **NTA**
Udarás Náisiúnta Iompair
National Transport Authority

Engineering Designer: **ARUP**

Date: 04/03/2022
Scale: 1:250 @ A1
1:500 @ A3

Project Code: BCDC
Originator Code: ARP

Drawn: BM
Checked: BB
Approved: NH

QMS Code: 268401-00

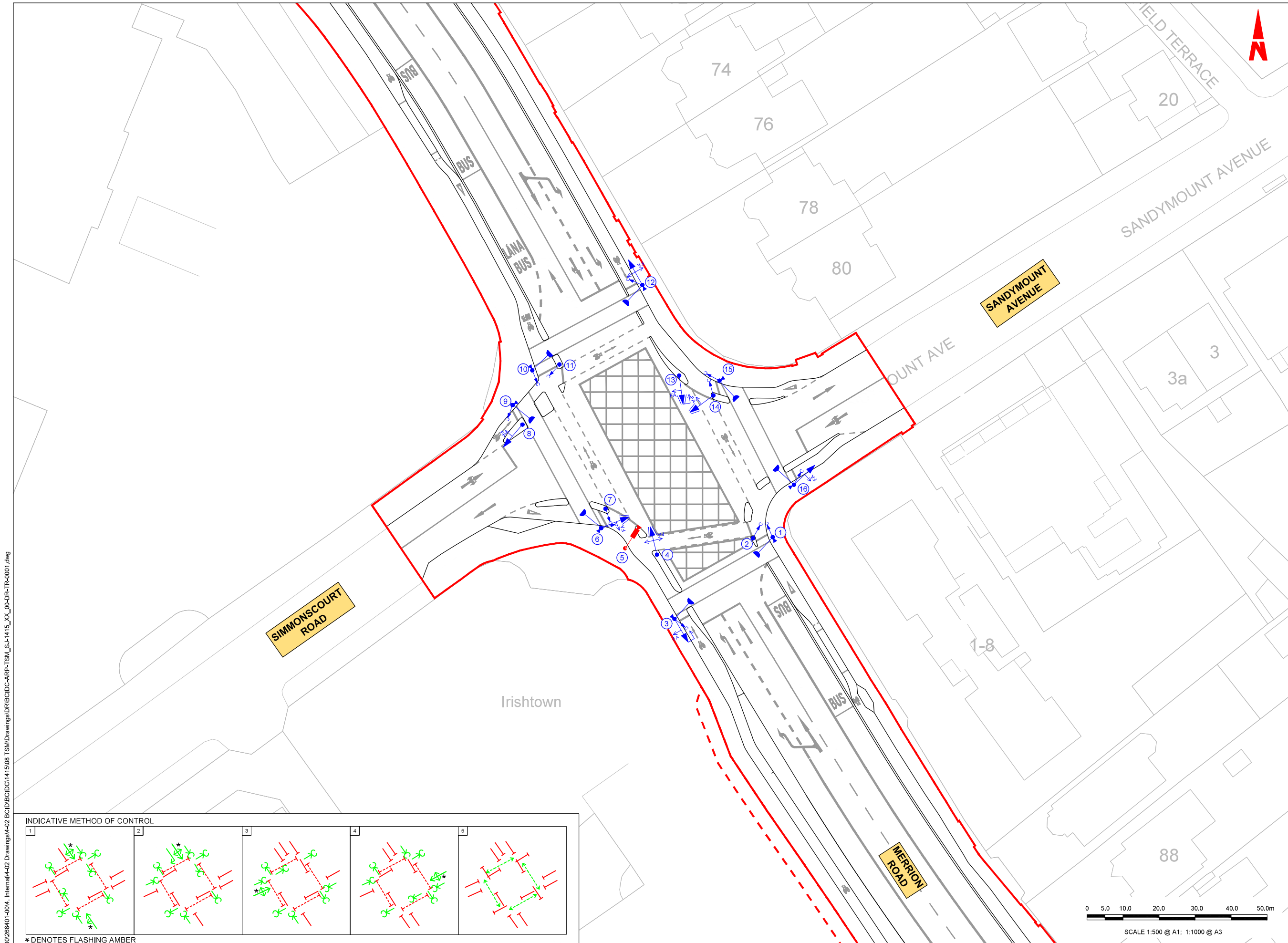
Programme Title: **BUSCONNECTS DUBLIN
CORE BUS CORRIDORS INFRASTRUCTURE WORKS**

Drawing Title: BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME
JUNCTION SYSTEMS DESIGN
MERRION ROAD / SHREWSBURY ROAD JUNCTION

Drawing File Name: BCDC-ARP-TSM_SJ-1415_XX_00-DR-TR-0018

Sheet Number: 18 of 31 | Status: A | Rev: M01

DO NOT SCALE USE FIGURED DIMENSIONS ONLY



LEGEND:

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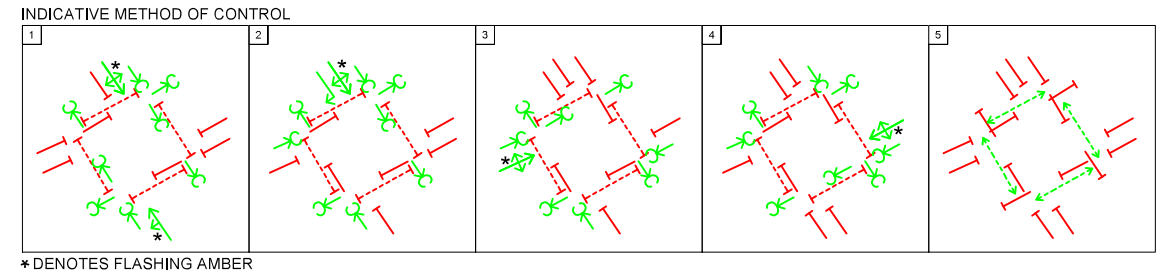
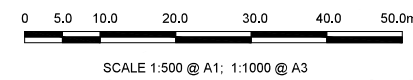
- RTS 004 PRIMARY
- RTS 004 SECONDARY
- RTS 004 PRIMARY
- RTS 004 SECONDARY
- RTS 004 PRIMARY
- RTS 004 SECONDARY
- RTS 007 (LOW LEVEL) PRIMARY
- RPC 004 PEDESTRIAN HEAD

TRAFFIC SIGNAL EQUIPMENT:

- POLE (STANDARD HEIGHT)
- TALL POLE (CCTV/TRAFFIC SIGNALS)
- PUSH BUTTON UNIT
- POLE NUMBER
- PAN / TILT / ZOOM CCTV CAMERA

GENERAL:

- SITE BOUNDARY LINE
- TEMPORARY LAND ACQUISITION



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Rev	Date	Drn	Chk'd	App'd	Description
M01	04/03/2022	BM	BB	NH	ISSUE FOR PHASE 4: PLANNING

Client: **NTA**
Udarás Náisiúnta Iompair
National Transport Authority

Engineering Designer: **ARUP**

Date: 04/03/2022
Scale: 1:250 @ A1
1:500 @ A3

Drawn: BM
Checked: BB
Approved: NH

Project Code: BCIDC
Originator Code: ARP
QMS Code: 268401-00

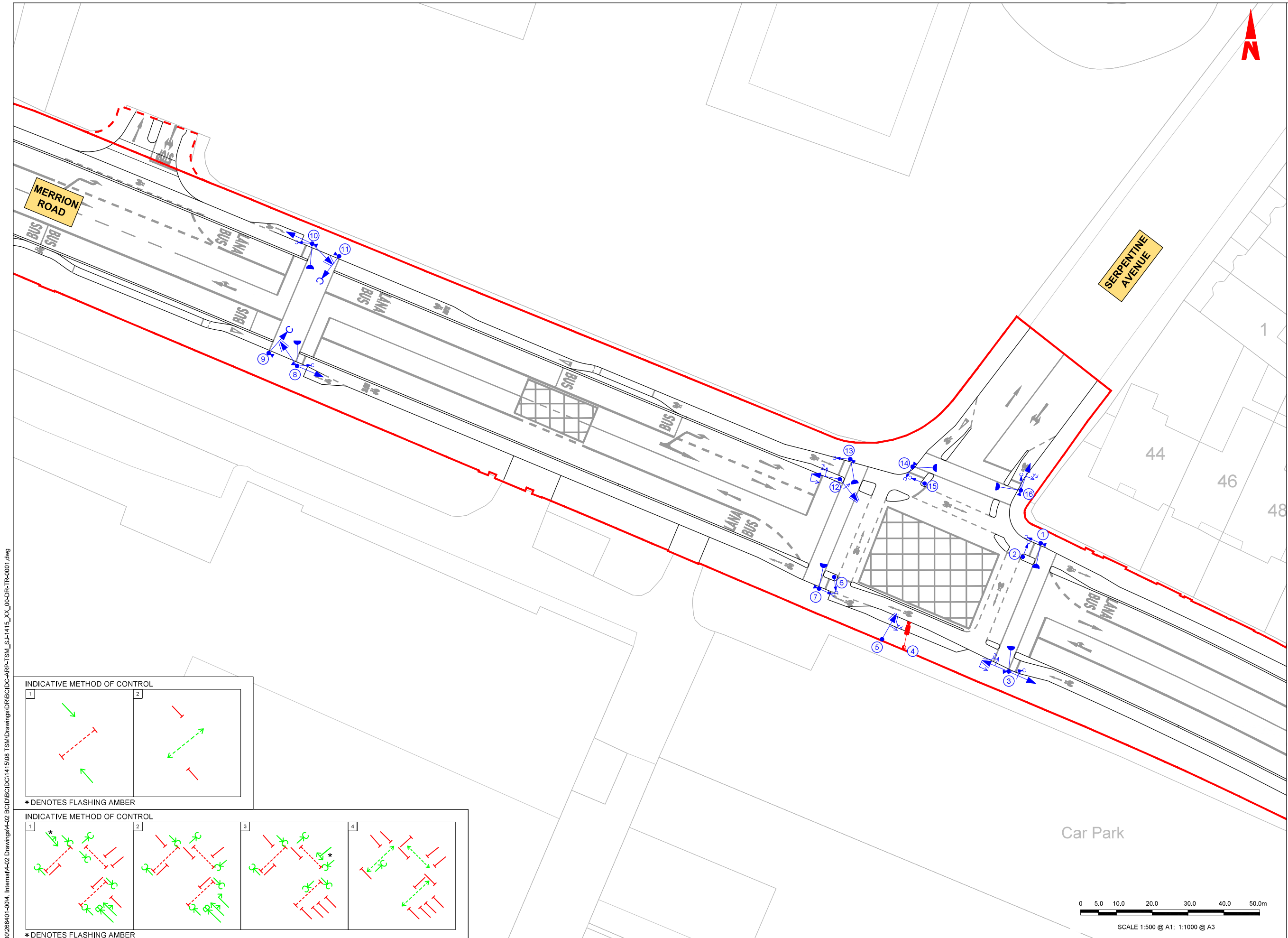
Programme Title: **BUSCONNECTS DUBLIN**
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title: BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME
JUNCTION SYSTEMS DESIGN
MERRION ROAD / SIMMONSCOURT ROAD JUNCTION

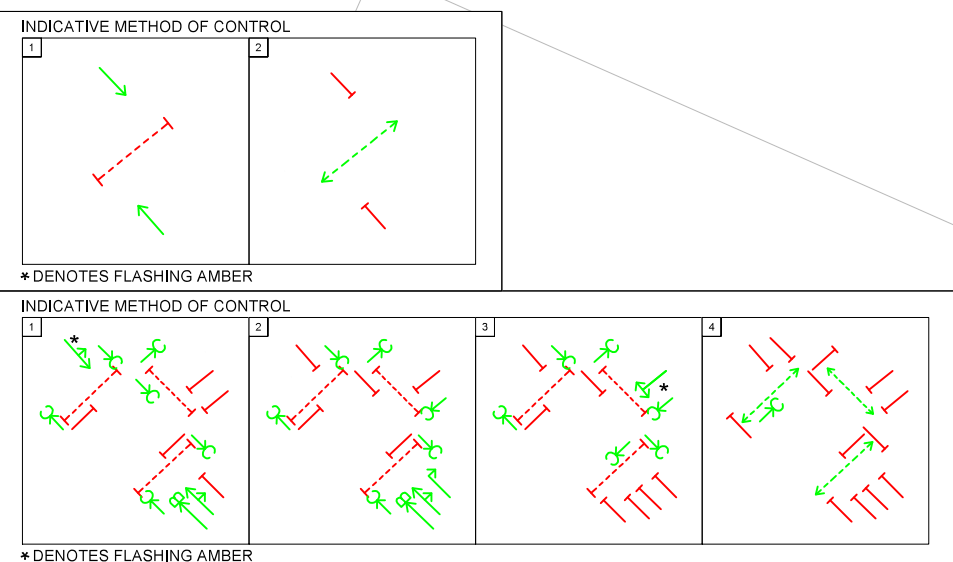
Drawing File Name: BCIDC-ARP-TSM_SJ-1415_XX_00-DR-TR-0019
Sheet Number: 19 of 31
Status: A
Rev: M01

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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 001 PRIMARY
 - RTS 001 SECONDARY
 - RTS 003 (A) PRIMARY
 - RTS 003 (A) SECONDARY
 - RTS 004 PRIMARY
 - RTS 004 SECONDARY
 - RTS 004 PRIMARY
 - RTS 004 SECONDARY
 - RTS 007 (HIGH LEVEL) PRIMARY
 - RTS 007 (LOW LEVEL) PRIMARY
 - RPC 004 PEDESTRIAN HEAD
- TRAFFIC SIGNAL EQUIPMENT:**
- POLE (STANDARD HEIGHT)
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
 - PUSH BUTTON UNIT
 - POLE NUMBER
 - PAN / TILT / ZOOM CCTV CAMERA
- GENERAL:**
- SITE BOUNDARY LINE
 - TEMPORARY LAND ACQUISITION



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Rev	Date	Drn	Chk'd	App'd	Description
M01	04/03/2022	BM	BB	NH	ISSUE FOR PHASE 4: PLANNING

Client: **NTA**
Udaráis Náisiúnta Iompair
National Transport Authority

Engineering Designer: **ARUP**

Date: 04/03/2022
Scale: 1:250 @ A1
1:500 @ A3

Project Code: BCIDC
Originator Code: ARP

QMS Code: 268401-00

Drawn: BM
Checked: BB
Approved: NH

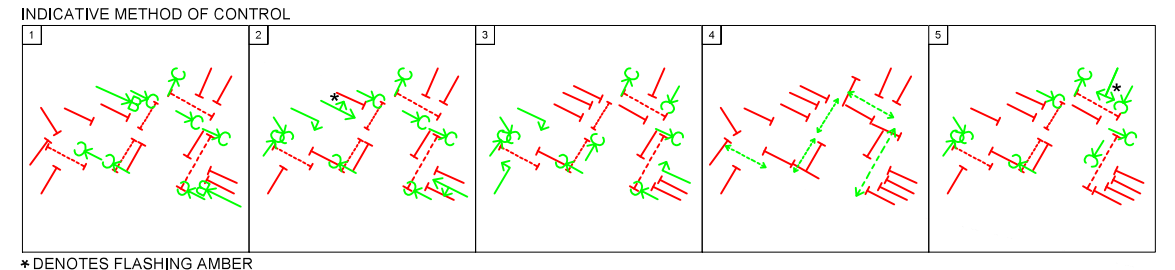
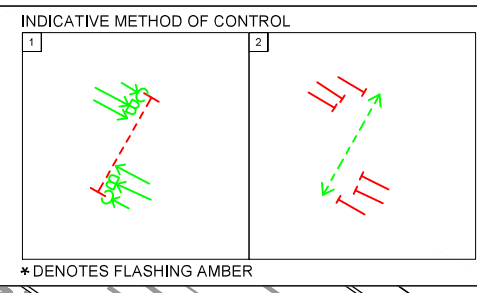
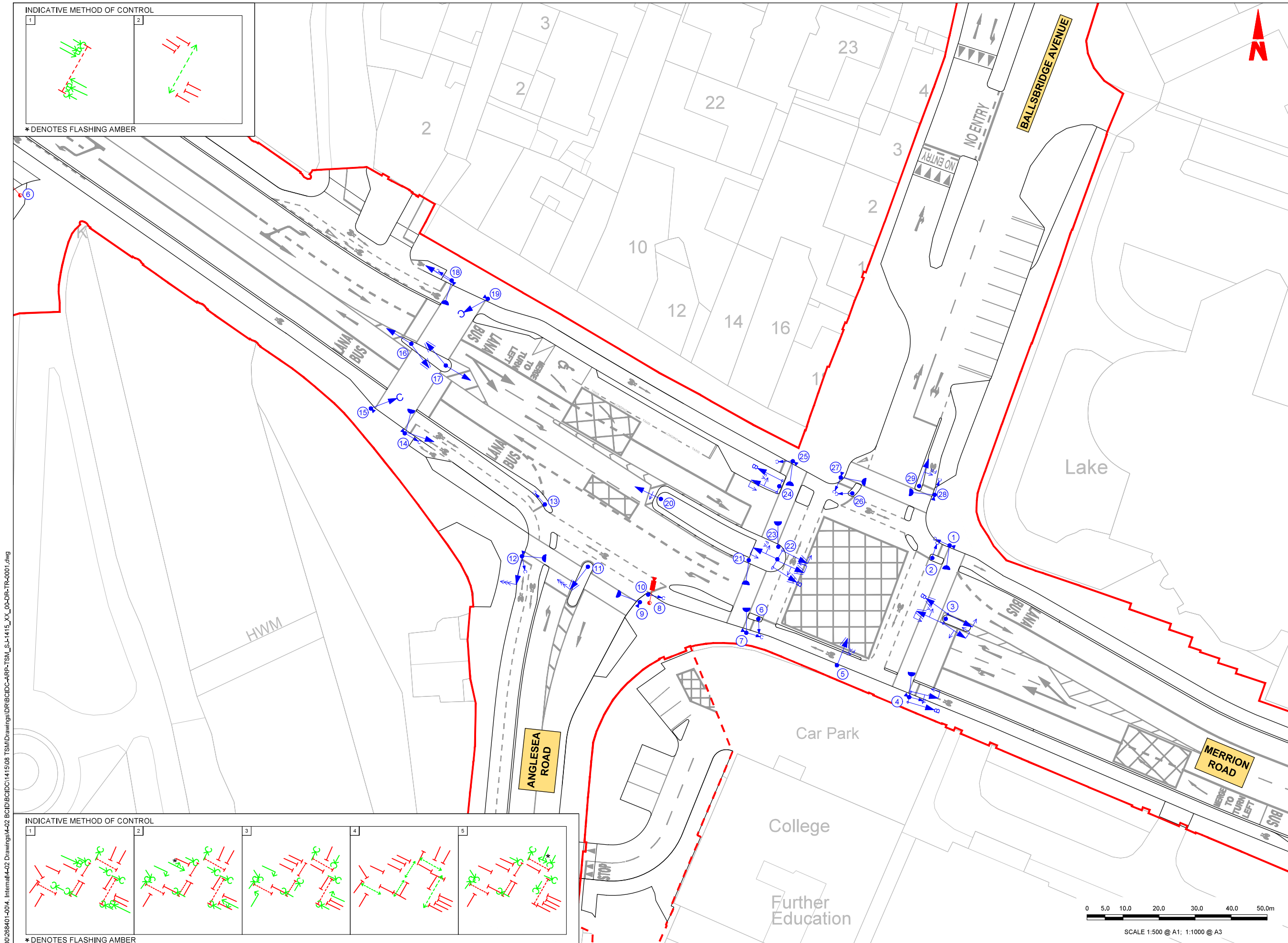
Programme Title: **BUSCONNECTS DUBLIN**
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title: BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME
JUNCTION SYSTEMS DESIGN
MERRION ROAD / SERPENTINE AVENUE JUNCTION AND TOUCAN CROSSING

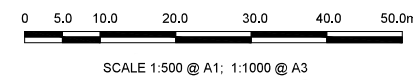
Drawing File Name: BCIDC-ARP-TSM_SJ-1415_XX_00-DR-TR-0020

Sheet Number: 20 of 31 | Status: A | Rev: M01

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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 001 PRIMARY
 - RTS 001 SECONDARY
 - RTS 002 (C) PRIMARY
 - RTS 002 (C) SECONDARY
 - RTS 002 (D) PRIMARY
 - RTS 002 (D) SECONDARY
 - RTS 002 (H) PRIMARY
 - RTS 002 (H) SECONDARY
 - RTS 003 (A) PRIMARY
 - RTS 003 (H) PRIMARY
 - RTS 003 (H) SECONDARY
 - RTS 004 PRIMARY
 - RTS 004 SECONDARY
 - RTS 004 PRIMARY
 - RTS 004 SECONDARY
 - RTS 007 (HIGH LEVEL) PRIMARY
 - RTS 007 (LOW LEVEL) PRIMARY
 - RPC 004 PEDESTRIAN HEAD
- TRAFFIC SIGNAL EQUIPMENT:**
- POLE (STANDARD HEIGHT)
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
 - PUSH BUTTON UNIT
 - POLE NUMBER
 - PAN / TILT / ZOOM CCTV CAMERA
- GENERAL:**
- SITE BOUNDARY LINE
 - TEMPORARY LAND ACQUISITION



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Rev	Date	Drn	Chk'd	App'd	Description
M01	04/03/2022	BM	BB	NH	ISSUE FOR PHASE 4: PLANNING

Client

Date: 04/03/2022
Scale: 1:250 @ A1, 1:500 @ A3

Project Code: BCIDC
Originator Code: ARP

Engineering Designer

Drawn: BM
Checked: BB
Approved: NH

QMS Code: 268401-00

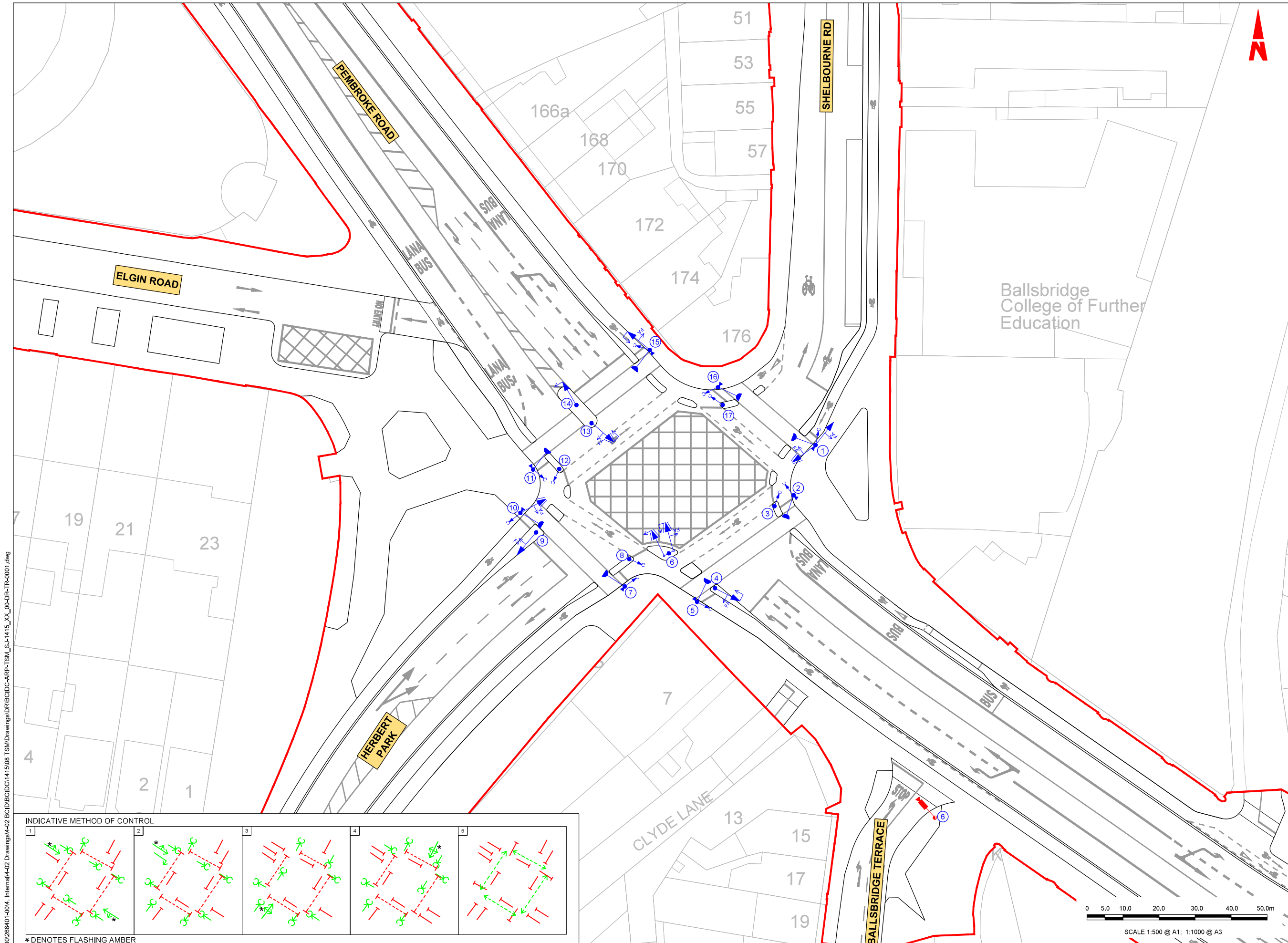
Programme Title: **BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS**

Drawing Title: BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN MERRION ROAD / BALLSBRIDGE PARK AND TOUCAN CROSSING

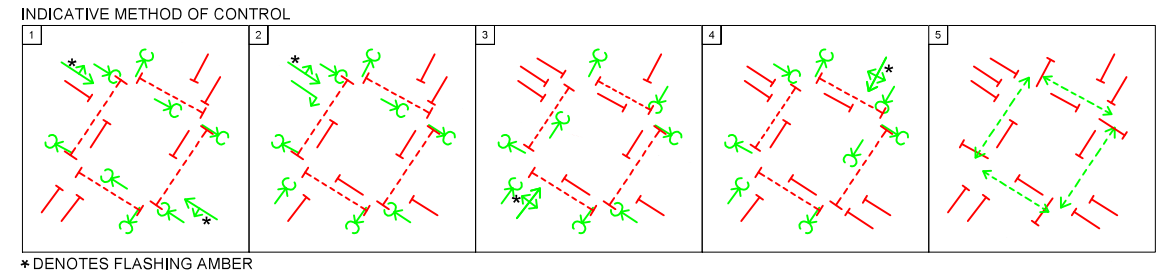
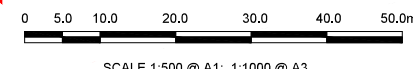
Drawing File Name: BCIDC-ARP-TSM_SJ-1415_XX_00-DR-TR-001

Sheet Number: 21 of 31 | Status: A | Rev: M01

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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 002 (C) PRIMARY
 - RTS 002 (C) SECONDARY
 - RTS 004 PRIMARY
 - RTS 004 SECONDARY
 - RTS 004 PRIMARY
 - RTS 004 SECONDARY
 - RTS 007 (LOW LEVEL) PRIMARY
 - RPC 004 PEDESTRIAN HEAD
- TRAFFIC SIGNAL EQUIPMENT:**
- POLE (STANDARD HEIGHT)
 - POLE NUMBER
 - PUSH BUTTON UNIT
- GENERAL:**
- SITE BOUNDARY LINE
 - TEMPORARY LAND ACQUISITION



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Rev	Date	Drn	Chk'd	App'd	Description
M01	04/03/2022	BM	BB	NH	ISSUE FOR PHASE 4: PLANNING

Client: **NTA**
Udarás Náisiúnta Iompair
National Transport Authority

Date: 04/03/2022
Scale: 1:250 @ A1
1:500 @ A3

Engineering Designer: **ARUP**

Drawn: BM
Checked: BB
Approved: NH

Project Code: BCIDC
Originator Code: ARP
QMS Code: 268401-00

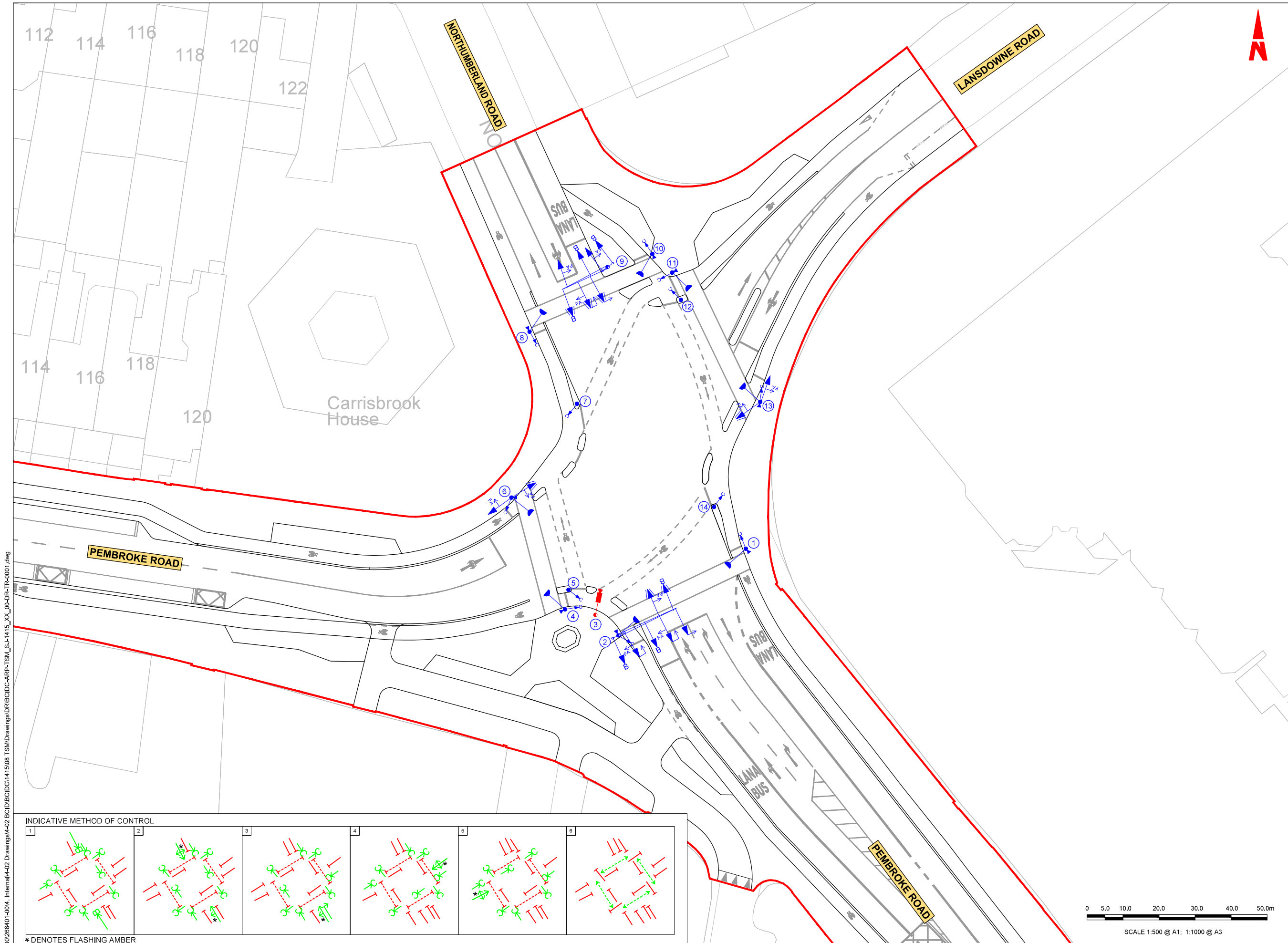
Programme Title: **BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS**

Drawing Title: BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN PEMBROKE ROAD / SHELBOURNE ROAD JUNCTION

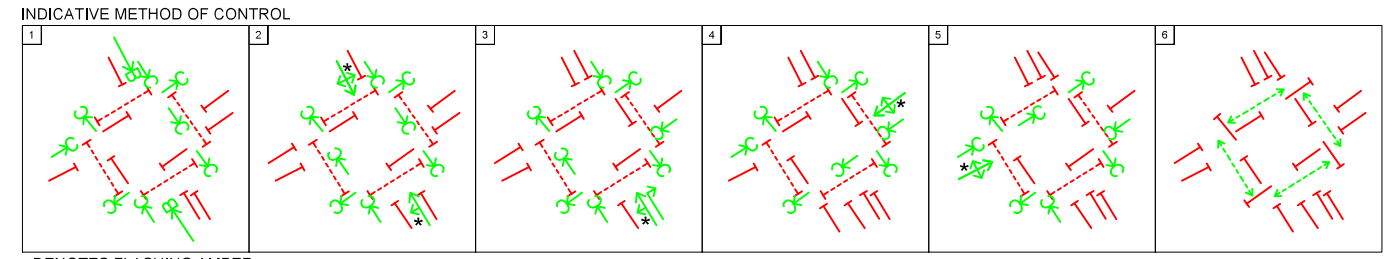
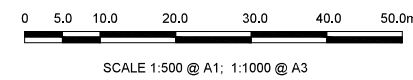
Drawing File Name: BCIDC-ARP-TSM_SJ-1415_XX_00-DR-TR-0022	Sheet Number: 22 of 31	Status: A	Rev: M01
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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 002 (C) PRIMARY
 - RTS 002 (C) SECONDARY
 - RTS 002 (D) PRIMARY
 - RTS 002 (D) SECONDARY
 - RTS 004 PRIMARY
 - RTS 004 SECONDARY
 - RTS 004 PRIMARY
 - RTS 004 SECONDARY
 - RTS 007 (LOW LEVEL) PRIMARY
 - RPC 004 PEDESTRIAN HEAD
- TRAFFIC SIGNAL EQUIPMENT:**
- POLE (STANDARD HEIGHT)
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
 - MAST ARM (VARIABLE LENGTH)
 - TALL POLE (TRAFFIC SIGNALS)
 - POLE NUMBER
 - PUSH BUTTON UNIT
 - PAN / TILT / ZOOM CCTV CAMERA
- GENERAL:**
- SITE BOUNDARY LINE
 - TEMPORARY LAND ACQUISITION



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Rev	Date	Drn	Chk'd	App'd	Description
M01	04/03/2022	BM	BB	NH	ISSUE FOR PHASE 4: PLANNING

Client

Date: 04/03/2022
 Scale: 1:250 @ A1, 1:500 @ A3

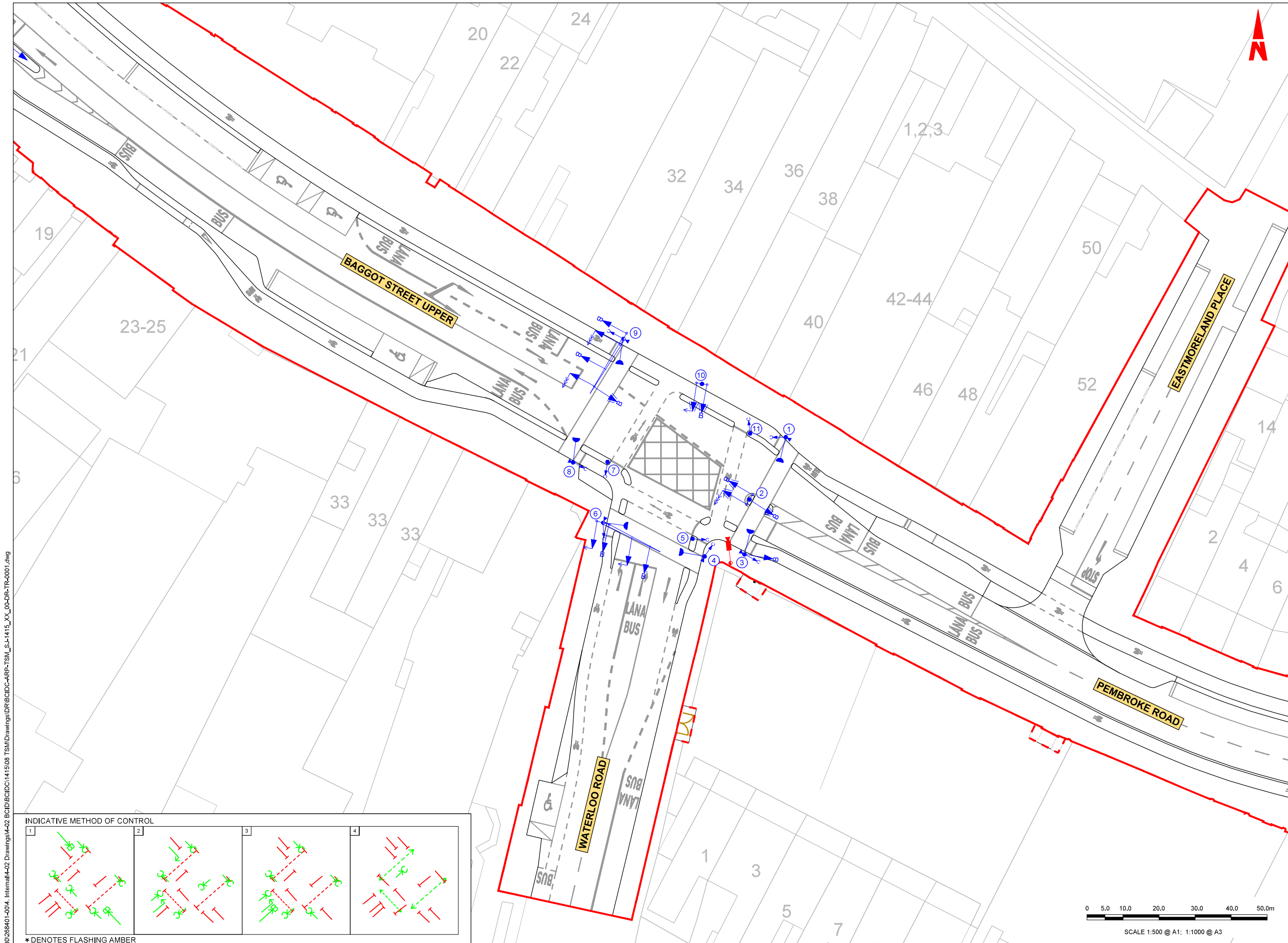
Engineering Designer

Drawn: BM
 Checked: BB
 Approved: NH

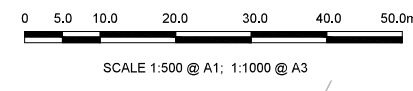
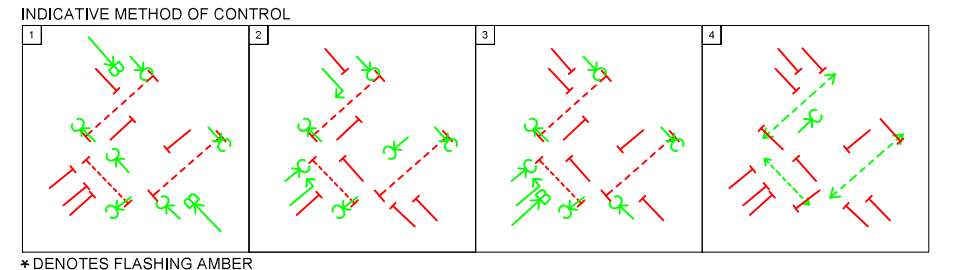
Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN PEMBROKE ROAD / LANSDOWNE ROAD JUNCTION			
Drawing File Name BCIDC-ARP-TSM_SJ-1415_XX_00-DR-TR-0023	Sheet Number 23 of 31	Status A	Rev M01

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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 002 (C) PRIMARY
 - RTS 002 (C) SECONDARY
 - RTS 002 (D) PRIMARY
 - RTS 002 (D) SECONDARY
 - RTS 002 (H) PRIMARY
 - RTS 002 (H) SECONDARY
 - RTS 007 (LOW LEVEL) PRIMARY
 - RPC 004 PEDESTRIAN HEAD
- TRAFFIC SIGNAL EQUIPMENT:**
- POLE (STANDARD HEIGHT)
 - TALL POLE (TRAFFIC SIGNALS)
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
 - PUSH BUTTON UNIT
 - POLE NUMBER
 - MAST ARM (VARIABLE LENGTH)
 - PAN / TILT / ZOOM CCTV CAMERA
- GENERAL:**
- SITE BOUNDARY LINE
 - TEMPORARY LAND ACQUISITION



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Rev	Date	Drn	Chk'd	App'd	Description
M01	04/03/2022	BM	BB	NH	ISSUE FOR PHASE 4: PLANNING

Client: **NTA**
Udarás Náisiúnta Iompair
National Transport Authority

Engineering Designer: **ARUP**

Date: 04/03/2022
Scale: 1:250 @ A1
1:500 @ A3

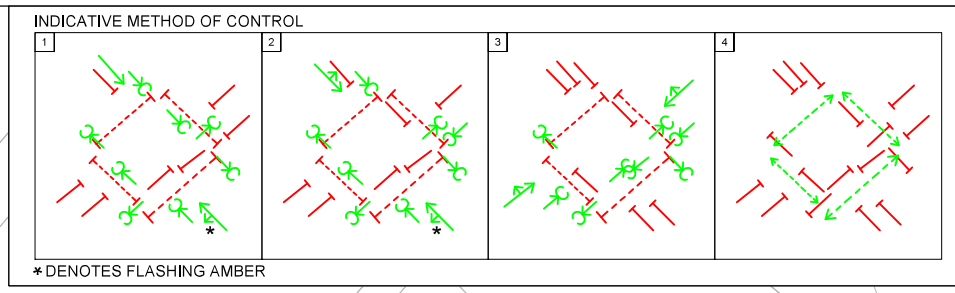
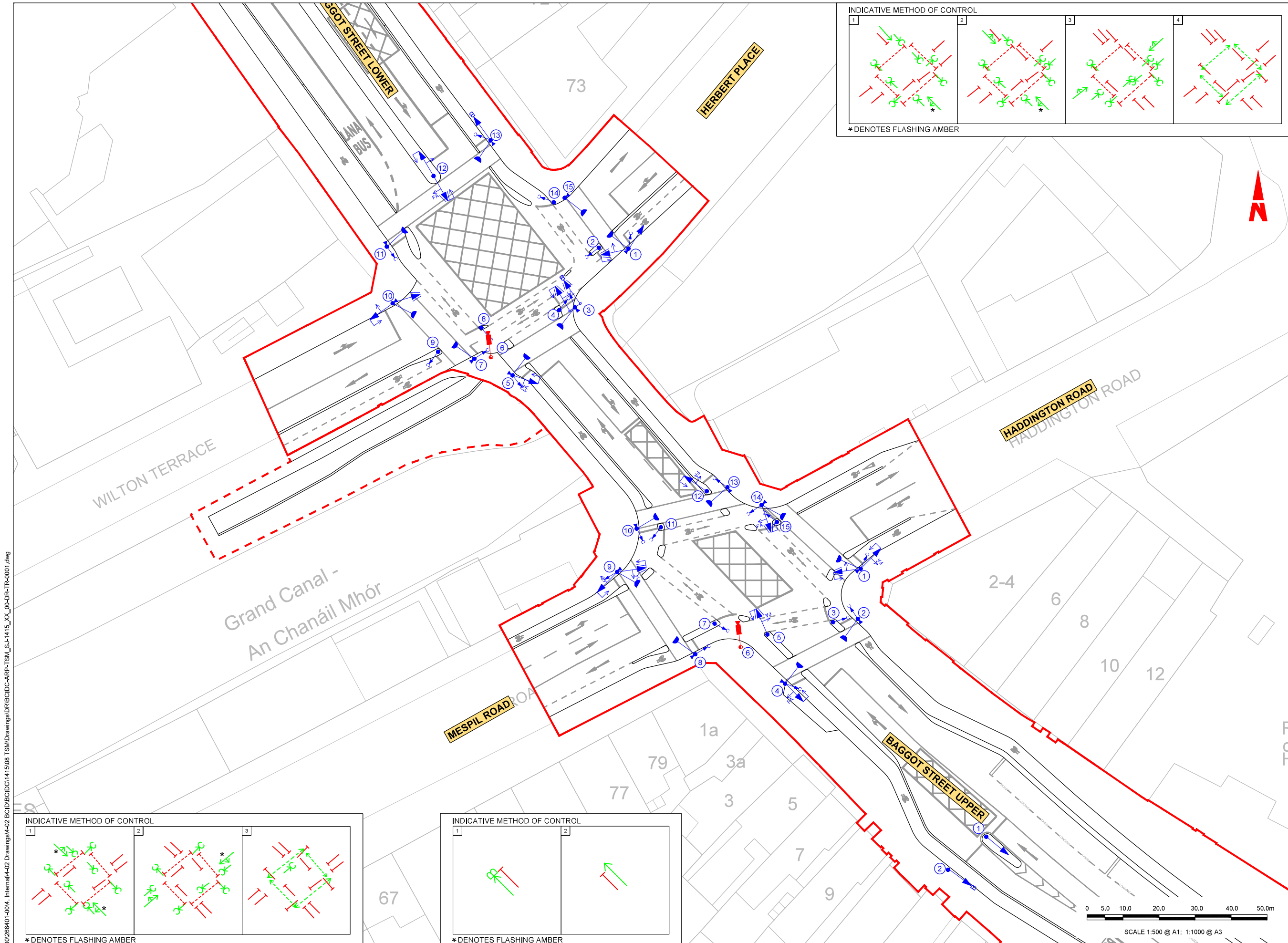
Drawn: BM
Checked: BB
Approved: NH

Project Code: BCIDC
Originator Code: ARP
QMS Code: 268401-00

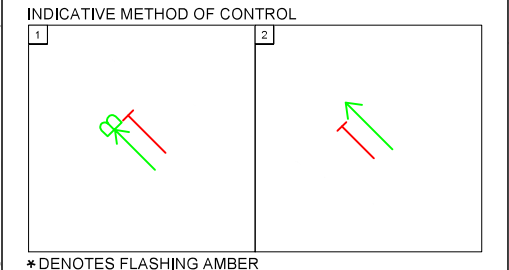
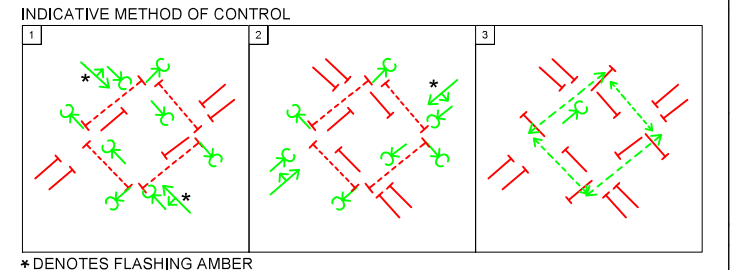
Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN BAGGOT STREET UPPER / WATERLOO ROAD JUNCTION			
Drawing File Name: BCIDC-ARP-TSM_SJ-1415_XX_00-DR-TR-0024	Sheet Number: 24 of 31	Status: A	Rev: M01

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- LEGEND:
- TRAFFIC SIGNAL HEADS:**
- RTS 001 PRIMARY
 - RTS 001 SECONDARY
 - RTS 002 (D) PRIMARY
 - RTS 002 (D) SECONDARY
 - RTS 003 (H) PRIMARY
 - RTS 003 (H) SECONDARY
 - RTS 004 PRIMARY
 - RTS 004 SECONDARY
 - RTS 007 (LOW LEVEL) PRIMARY
 - RPC 004 PEDESTRIAN HEAD
- TRAFFIC SIGNAL EQUIPMENT:**
- POLE (STANDARD HEIGHT)
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
 - POLE NUMBER
 - PUSH BUTTON UNIT
 - PAN / TILT / ZOOM CCTV CAMERA
- GENERAL:**
- SITE BOUNDARY LINE
 - TEMPORARY LAND ACQUISITION



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Rev	Date	Drn	Chk'd	App'd	Description
M01	04/03/2022	BM	BB	NH	ISSUE FOR PHASE 4: PLANNING

Client: **NTA**
Udarás Náisiúnta Iompair
National Transport Authority

Engineering Designer: **ARUP**

Date: 04/03/2022
Scale: 1:250 @ A1
1:500 @ A3

Project Code: BCIDC
Originator Code: ARP

QMS Code: 268401-00

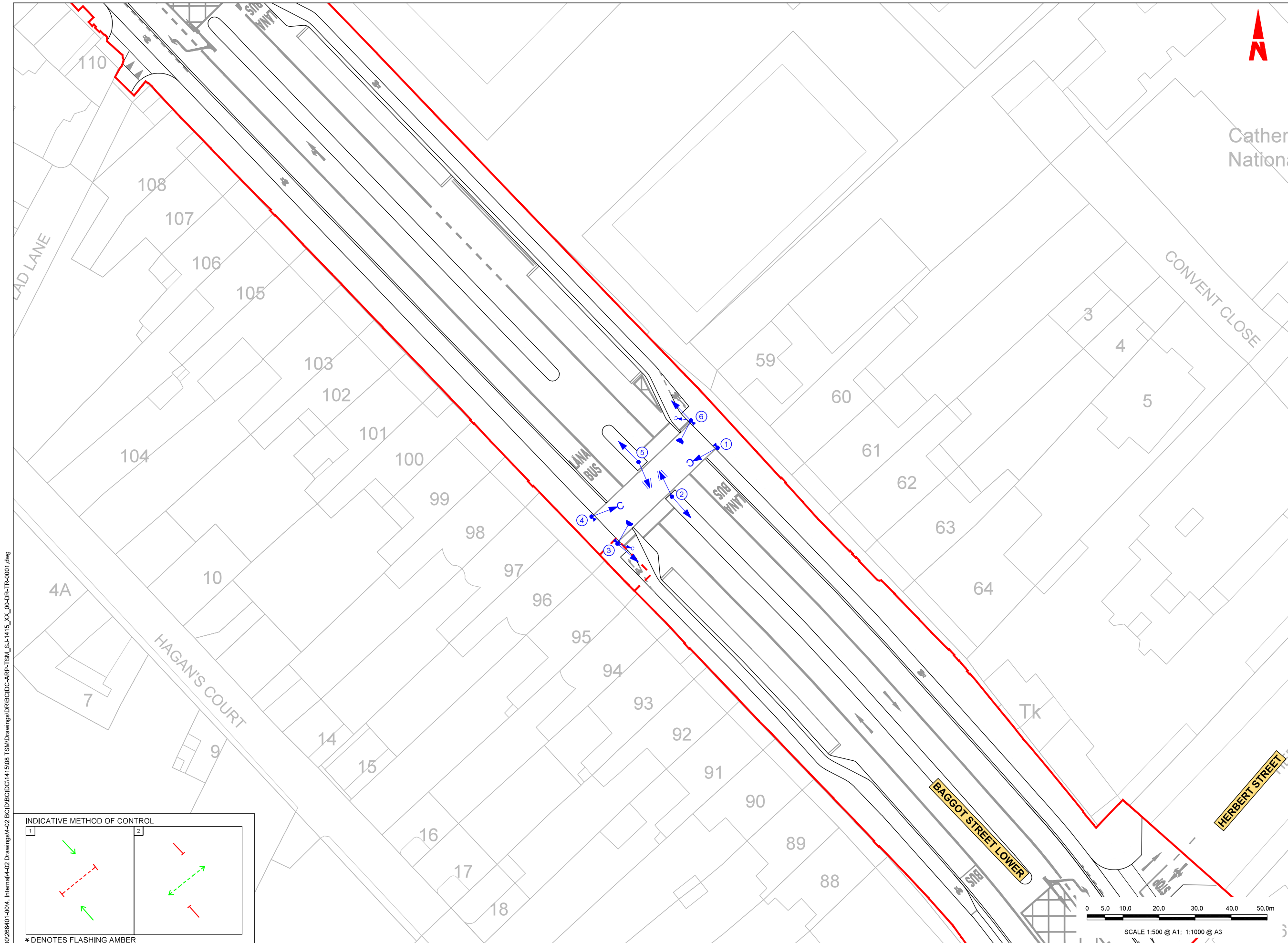
Drawn: BM
Checked: BB
Approved: NH

Programme Title: **BUSCONNECTS DUBLIN**
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title: BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME
JUNCTION SYSTEMS DESIGN
BAGGOT STREET UPPER / MESPIL ROAD AND BAGGOT STREET LOWER / HERBERT PLACE JUNCTION

Drawing File Name: BCIDC-ARP-TSM_SJ-1415_XX_00-DR-TR-0025
Sheet Number: 25 of 31
Status: A
Rev: M01

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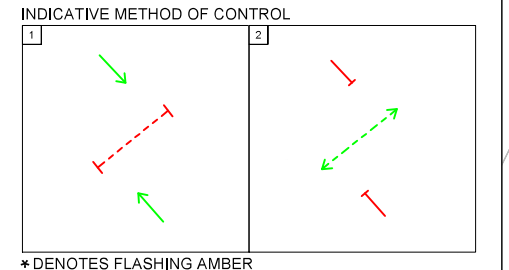
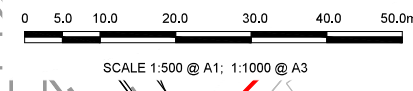
- RTS 001 PRIMARY
- RTS 001 SECONDARY
- RPC 004 PEDESTRIAN HEAD
- RTS 007 (HIGH LEVEL) PRIMARY
- RTS 007 (LOW LEVEL) PRIMARY

TRAFFIC SIGNAL EQUIPMENT:

- POLE NUMBER
- POLE (STANDARD HEIGHT)
- PUSH BUTTON UNIT

GENERAL:

- SITE BOUNDARY LINE
- TEMPORARY LAND ACQUISITION



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Client: **NTA**
Udarás Náisiúnta Iompair
National Transport Authority

Engineering Designer: **ARUP**

Date: 04/03/2022
Scale: 1:250 @ A1
1:500 @ A3

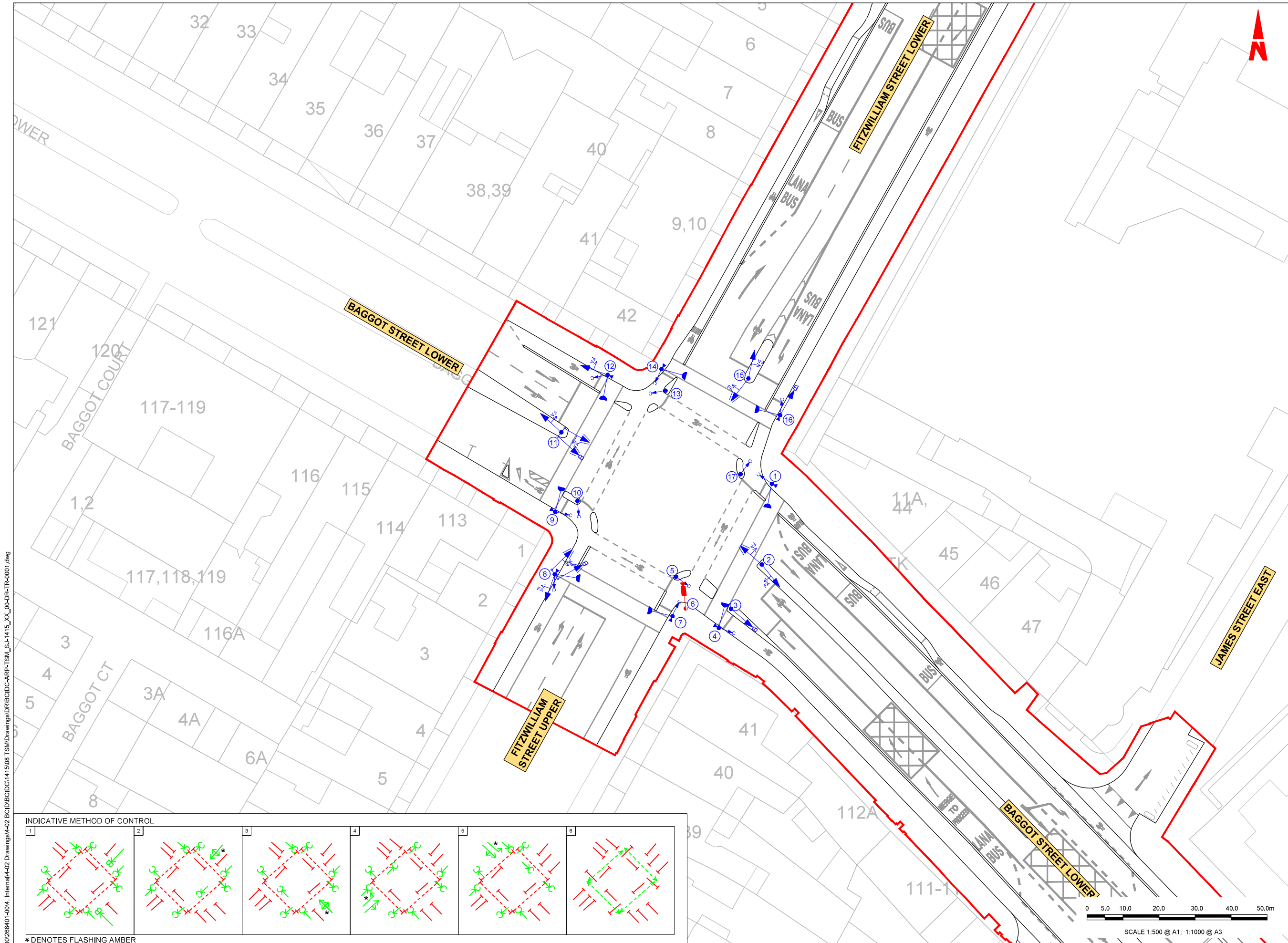
Project Code: BCIDC
Originator Code: ARP

Drawn: BM
Checked: BB
Approved: NH

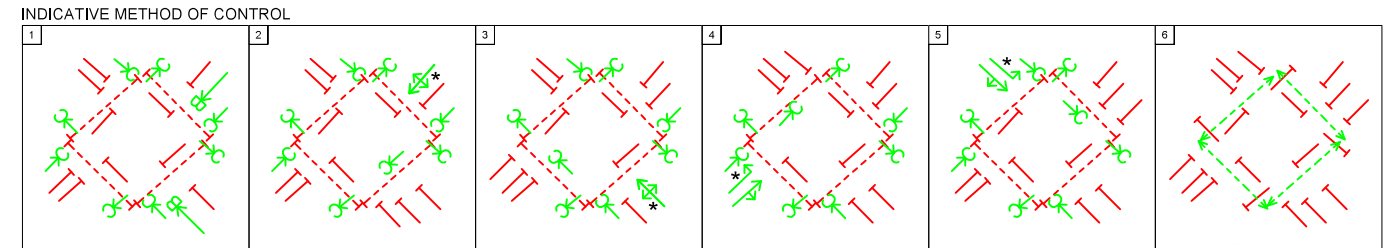
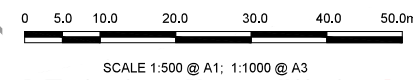
QMS Code: 268401-00

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN BAGGOT STREET LOWER TOUCAN CROSSING			
Drawing File Name: BCIDC-ARP-TSM_SJ-1415_XX_00-DR-TR-0026	Sheet Number: 26 of 31	Status: A	Rev: M01

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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 002 (D) PRIMARY
 - RTS 002 (D) SECONDARY
 - RTS 004 PRIMARY
 - RTS 004 SECONDARY
 - RTS 007 (LOW LEVEL) PRIMARY
 - RPC 004 PEDESTRIAN HEAD
- TRAFFIC SIGNAL EQUIPMENT:**
- POLE (STANDARD HEIGHT)
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
 - POLE NUMBER
 - PUSH BUTTON UNIT
 - PAN / TILT / ZOOM CCTV CAMERA
- GENERAL:**
- SITE BOUNDARY LINE
 - TEMPORARY LAND ACQUISITION



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Rev	Date	Drn	Chk'd	App'd	Description
M01	04/03/2022	BM	BB	NH	ISSUE FOR PHASE 4: PLANNING

Client: **NTA**
Udarás Náisiúnta Iompair
National Transport Authority

Engineering Designer: **ARUP**

Date: 04/03/2022
Scale: 1:250 @ A1
1:500 @ A3

Project Code: BCIDC
Originator Code: ARP

Drawn: BM
Checked: BB
Approved: NH

QMS Code: 268401-00

Programme Title: **BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS**

Drawing Title: BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN BAGGOT STREET LOWER / FITZWILLIAM STREET UPPER JUNCTION

Drawing File Name: BCIDC-ARP-TSM_SJ-1415_XX_00-DR-TR-0027

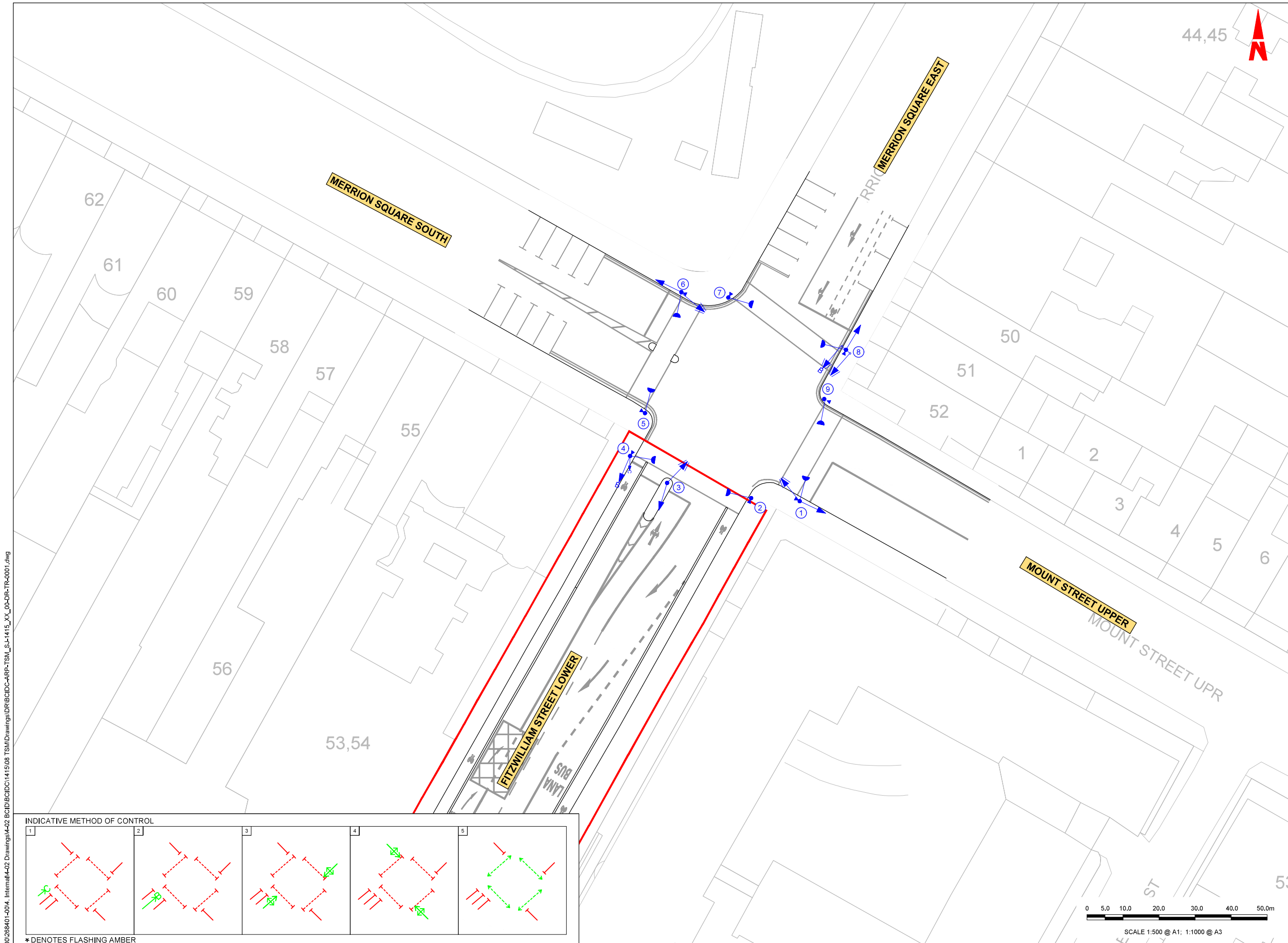
Sheet Number: 27 of 31

Status: A

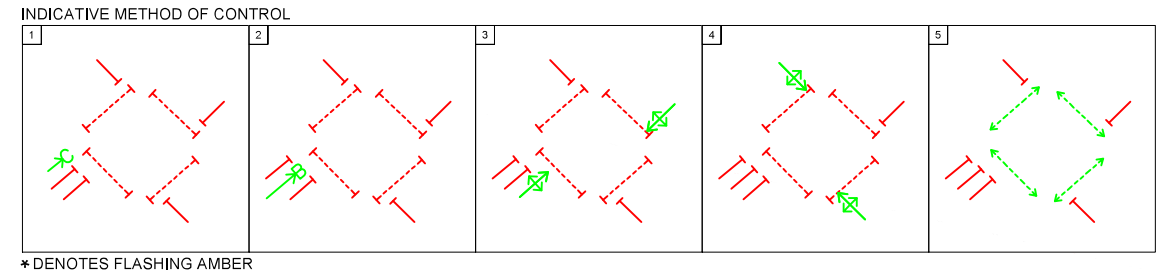
Rev: M01

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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 001 PRIMARY
 - RTS 001 SECONDARY
 - RTS 002 (D) PRIMARY
 - RTS 002 (D) SECONDARY
 - RTS 007 (LOW LEVEL) PRIMARY
 - RPC 004 PEDESTRIAN HEAD
- TRAFFIC SIGNAL EQUIPMENT:**
- POLE (STANDARD HEIGHT)
 - POLE NUMBER
 - PUSH BUTTON UNIT
- GENERAL:**
- SITE BOUNDARY LINE
 - TEMPORARY LAND ACQUISITION



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Rev	Date	Drn	Chk'd	App'd	Description
M01	04/03/2022	BM	BB	NH	ISSUE FOR PHASE 4: PLANNING

Client

NTA
Udarás Náisiúnta Iompair
National Transport Authority

Date: 04/03/2022
Scale: 1:250 @ A1
1:500 @ A3

Engineering Designer

ARUP

Drawn: BM
Checked: BB
Approved: NH

Project Code: BCIDC
Originator Code: ARP
QMS Code: 268401-00

Programme Title

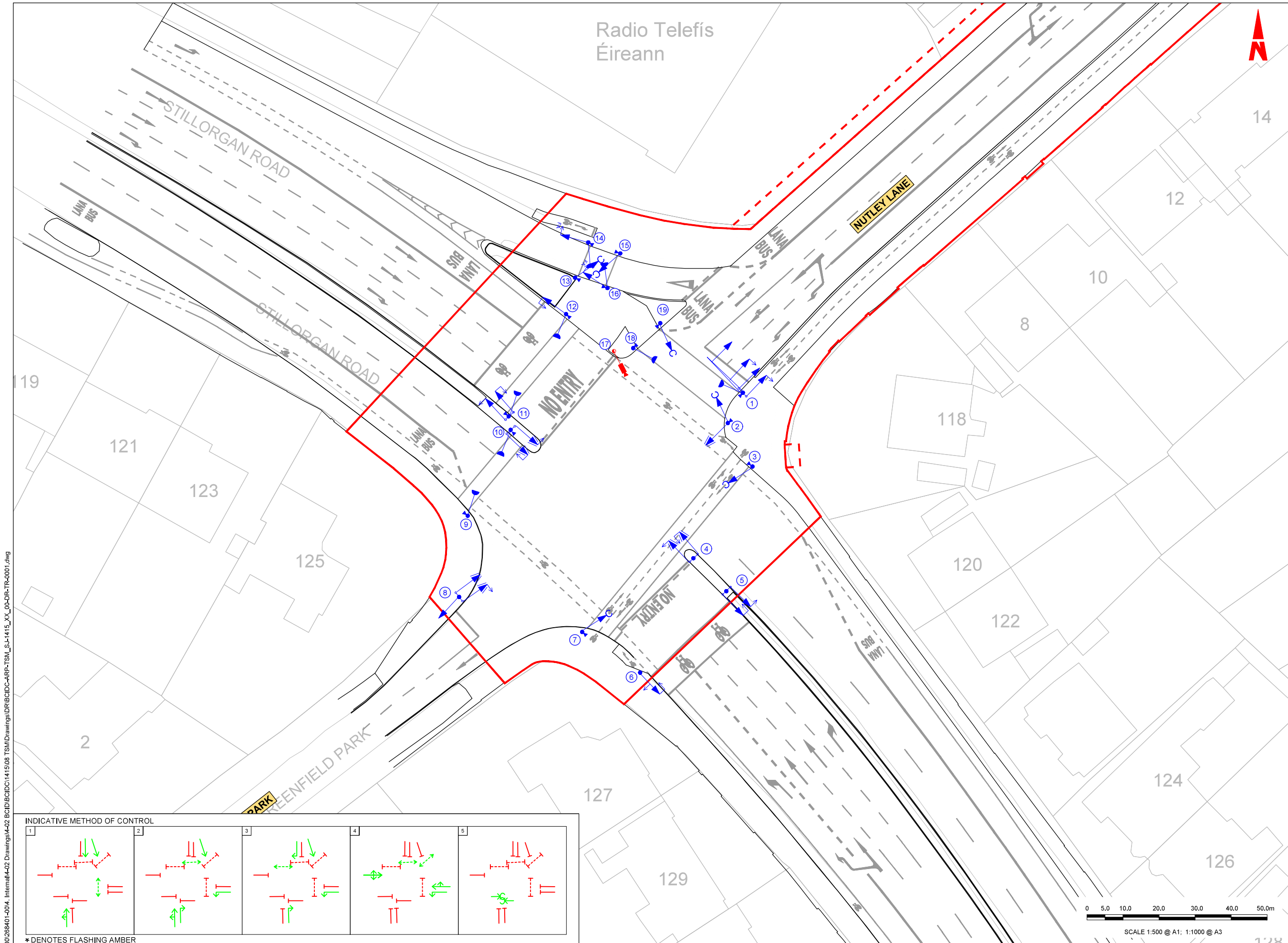
BUSCONNECTS DUBLIN
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title

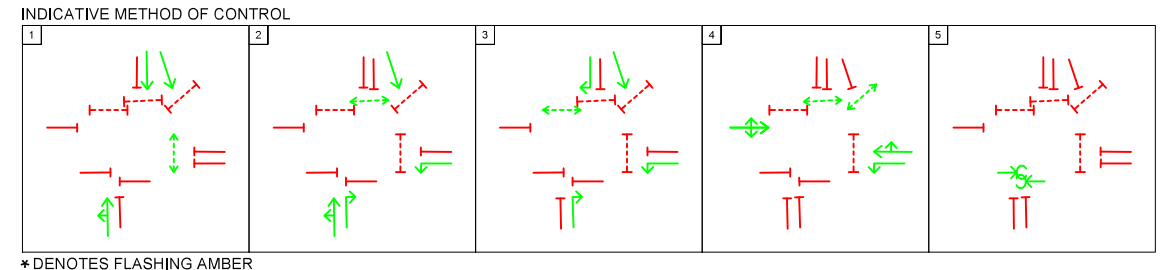
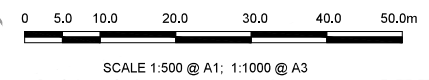
BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME
JUNCTION SYSTEMS DESIGN
FITZWILLIAM STREET LOWER / MOUNT STREET UPPER JUNCTION

Drawing File Name: BCIDC-ARP-TSM_SJ-1415_XX_00-DR-TR-0028
Sheet Number: 28 of 31
Status: A
Rev: M01

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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 001 PRIMARY
 - RTS 001 SECONDARY
 - RTS 002 (B) PRIMARY
 - RTS 002 (B) SECONDARY
 - RTS 002 (C) PRIMARY
 - RTS 002 (C) SECONDARY
 - RTS 003 (H) PRIMARY
 - RTS 004 PRIMARY
 - RPC 004 PEDESTRIAN HEAD
 - RTS 007 (HIGH LEVEL) PRIMARY
- TRAFFIC SIGNAL EQUIPMENT:**
- POLE (STANDARD HEIGHT)
 - TALL POLE (TRAFFIC SIGNALS)
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
 - POLE NUMBER
 - MAST ARM (VARIABLE LENGTH)
 - PUSH BUTTON UNIT
 - PAN / TILT / ZOOM CCTV CAMERA
- GENERAL:**
- SITE BOUNDARY LINE
 - TEMPORARY LAND ACQUISITION



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Rev	Date	Drn	Chk'd	App'd	Description
M01	04/03/2022	BM	BB	NH	ISSUE FOR PHASE 4: PLANNING

Client: **NTA**
Udarás Náisiúnta Iompair
National Transport Authority

Engineering Designer: **ARUP**

Date: 04/03/2022
Scale: 1:250 @ A1
1:500 @ A3

Project Code: BCIDC
Originator Code: ARP

Drawn: BM
Checked: BB
Approved: NH

QMS Code: 268401-00

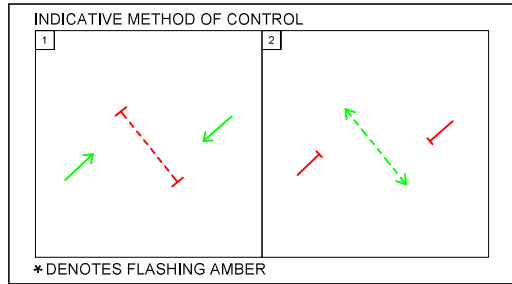
Programme Title: **BUSCONNECTS DUBLIN**
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title: BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME
JUNCTION SYSTEMS DESIGN
NUTLEY LANE AND STILLORGAN ROAD JUNCTION

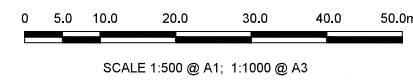
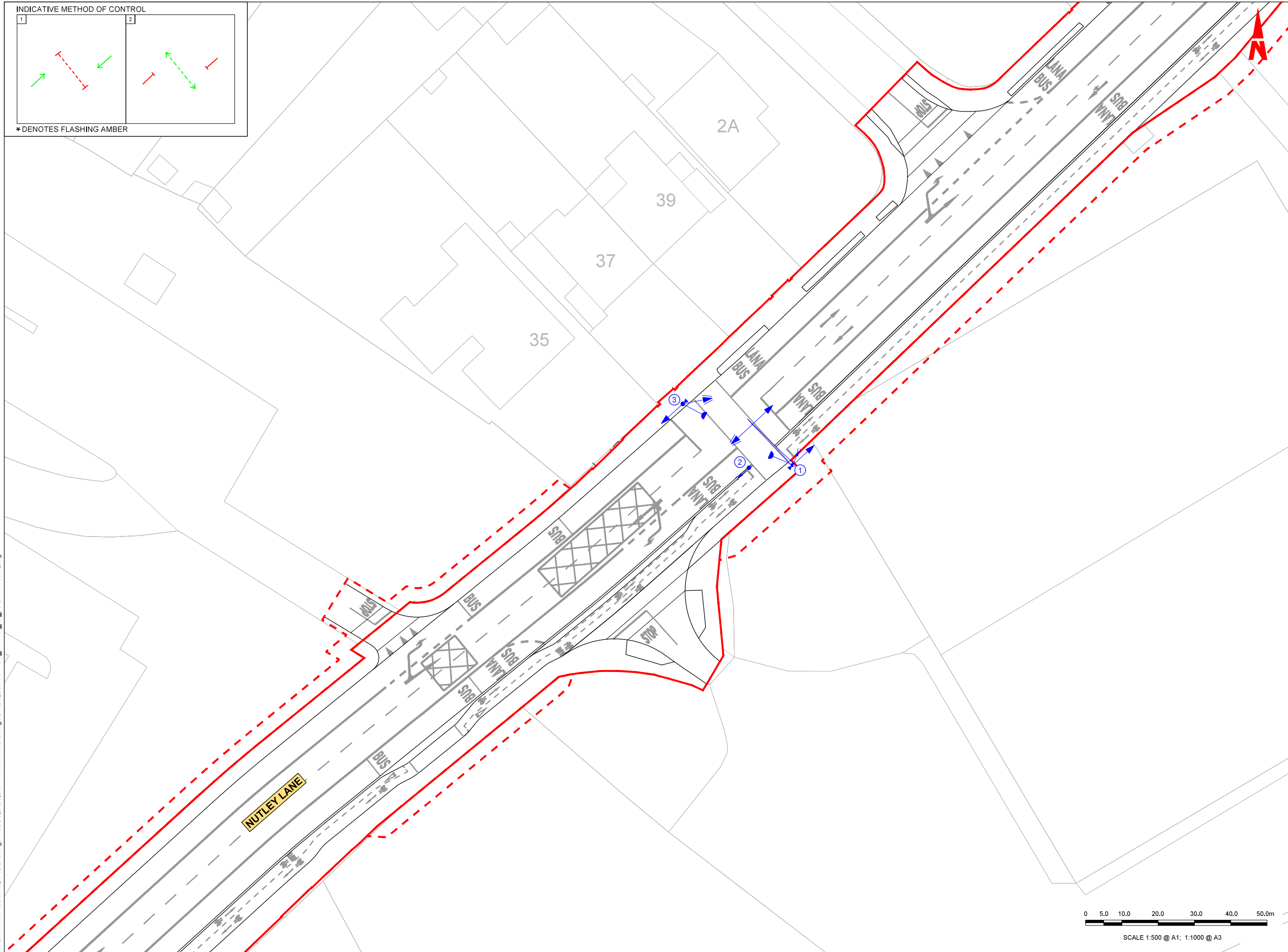
Drawing File Name: BCIDC-ARP-TSM_SJ-1415_XX_00-DR-TR-0029
Sheet Number: 29 of 31
Status: A
Rev: M01

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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
 - RTS 001 PRIMARY
 - RTS 001 SECONDARY
 - RTS 007 (LOW LEVEL) PRIMARY
 - RPC 004 PEDESTRIAN HEAD
 - TRAFFIC SIGNAL EQUIPMENT:**
 - POLE NUMBER
 - PUSH BUTTON UNIT
 - POLE (STANDARD HEIGHT)
 - MAST ARM (VARIABLE LENGTH)
 - TALL POLE (TRAFFIC SIGNALS)
 - GENERAL:**
 - SITE BOUNDARY LINE
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Client

 Date: 04/03/2022
 Project Code: BCIDC
 Originator Code: ARP

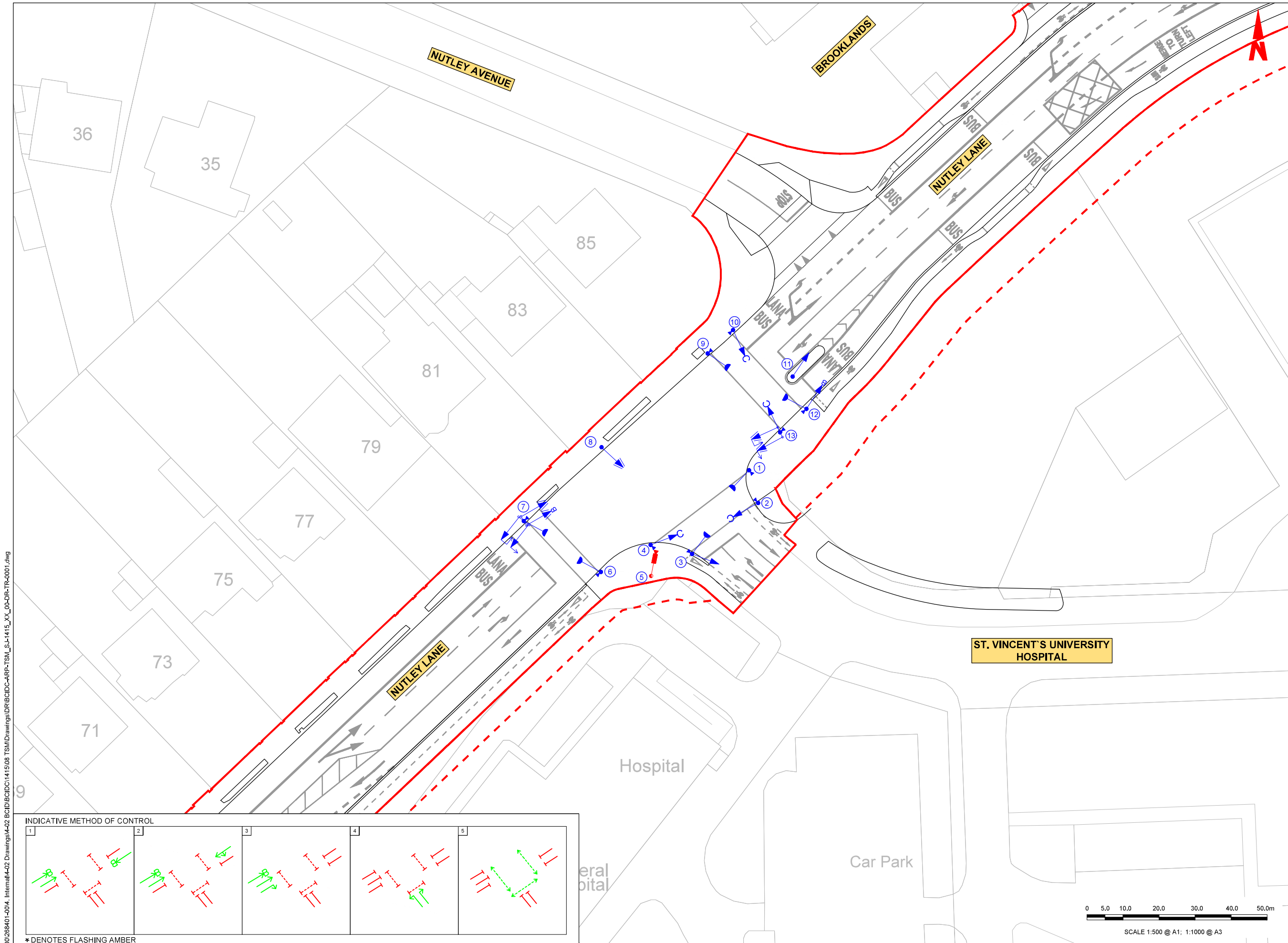
Engineering Designer

 Drawn: BM
 Checked: BB
 Approved: NH
 QMS Code: 268401-00

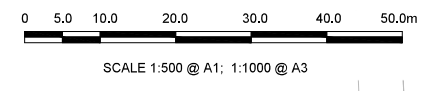
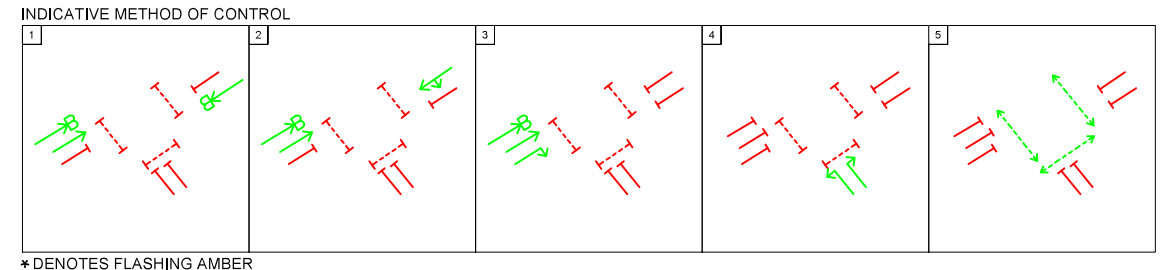
Programme Title: **BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS**
 Drawing Title: BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN NUTLEY LANE TOUCAN CROSSING
 Drawing File Name: BCIDC-ARP-TSM_SJ-1415_XX_00-DR-TR-0030
 Sheet Number: 30 of 31
 Status: A
 Rev: M01

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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 001 PRIMARY
 - RTS 001 SECONDARY
 - RTS 002 (C) PRIMARY
 - RTS 002 (C) SECONDARY
 - RTS 002 (B) PRIMARY
 - RTS 002 (B) SECONDARY
 - RTS 002 (D) PRIMARY
 - RTS 002 (D) SECONDARY
 - RPC 004 PEDESTRIAN HEAD
 - RTS 007 (HIGH LEVEL) PRIMARY
- TRAFFIC SIGNAL EQUIPMENT:**
- POLE (STANDARD HEIGHT)
 - PUSH BUTTON UNIT
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
 - POLE NUMBER
 - PAN / TILT / ZOOM CCTV CAMERA
- GENERAL:**
- SITE BOUNDARY LINE
 - TEMPORARY LAND ACQUISITION



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b. This drawing is to be used for the design element identified in the title block. Other information shown is to be considered indicative only. The drawing is to be read in conjunction with all other relevant design drawings.

c. O.S. data used for plans are printed under © Ordnance Survey Ireland Government of Ireland. All rights reserved. Licence Number 2022/OS_WMA_180 National Transport Authority. All elevations are in metres and relate to OSI Geoid Model (OSGM15) Mean Head. All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSI active local GPS station.

d. Information concerning the position of apparatus shown on this drawing is based on drawings supplied by the utility owners and/or the utility works contractor, whilst every care has been taken in the preparation of this drawing, positions should be taken as approximate and are intended for general guidance only and no representation is made by the NTA as to the accuracy, completeness, sufficiency or otherwise of this drawing and the position of the apparatus. The information contained herein does not purport to be comprehensive or final as the apparatus is subject to being altered and/or superceded. Recipients should not rely on this information. Any liabilities are hereby expressly disclaimed.

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Rev	Date	Drn	Chk'd	App'd	Description
M01	04/03/2022	BM	BB	NH	ISSUE FOR PHASE 4: PLANNING

Client

Engineering Designer

Programme Title		BUSCONNECTS DUBLIN		
		CORE BUS CORRIDORS INFRASTRUCTURE WORKS		
Drawing Title		BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN NUTLEY LANE / ST VINCENTS UNIVERSITY HOSPITAL JUNCTION		
Drawing File Name	Sheet Number	Status	Rev	
BCIDC-ARP-TSM_SJ-1415_XX_00-DR-TR-0031	31 of 31	A	M01	

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