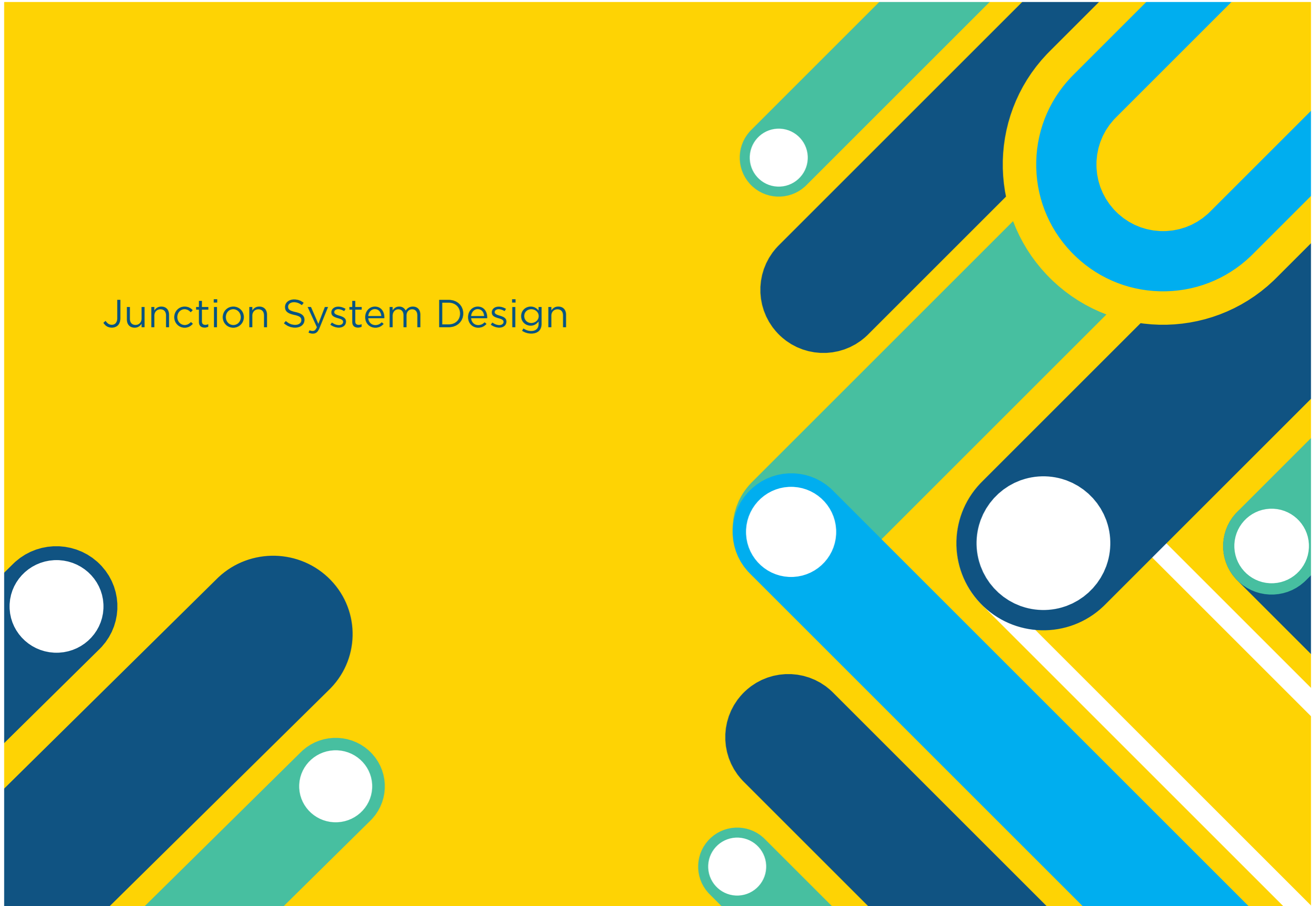
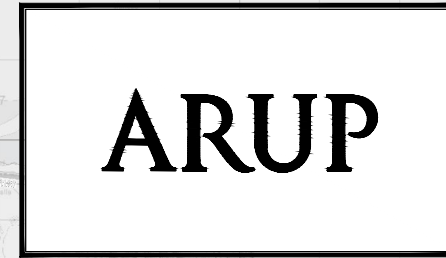


Junction System Design





BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS

BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME

JUNCTION SYSTEMS DESIGN	
DRAWING SERIES NUMBER(S)	DRAWING SERIES DESCRIPTION
BCIDC-ARP-TSM_IX-0005_XX_00-DR-TR-0001	BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME. JUNCTION SYSTEMS DESIGN. COVER SHEET
BCIDC-ARP-TSM_KP-0005_XX_00-DR-TR-0001	BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME. JUNCTION SYSTEMS DESIGN. KEY PLAN
BCIDC-ARP-TSM_SJ-0005_XX_00-DR-TR-0001 to 0047	BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME. JUNCTION SYSTEMS DESIGN

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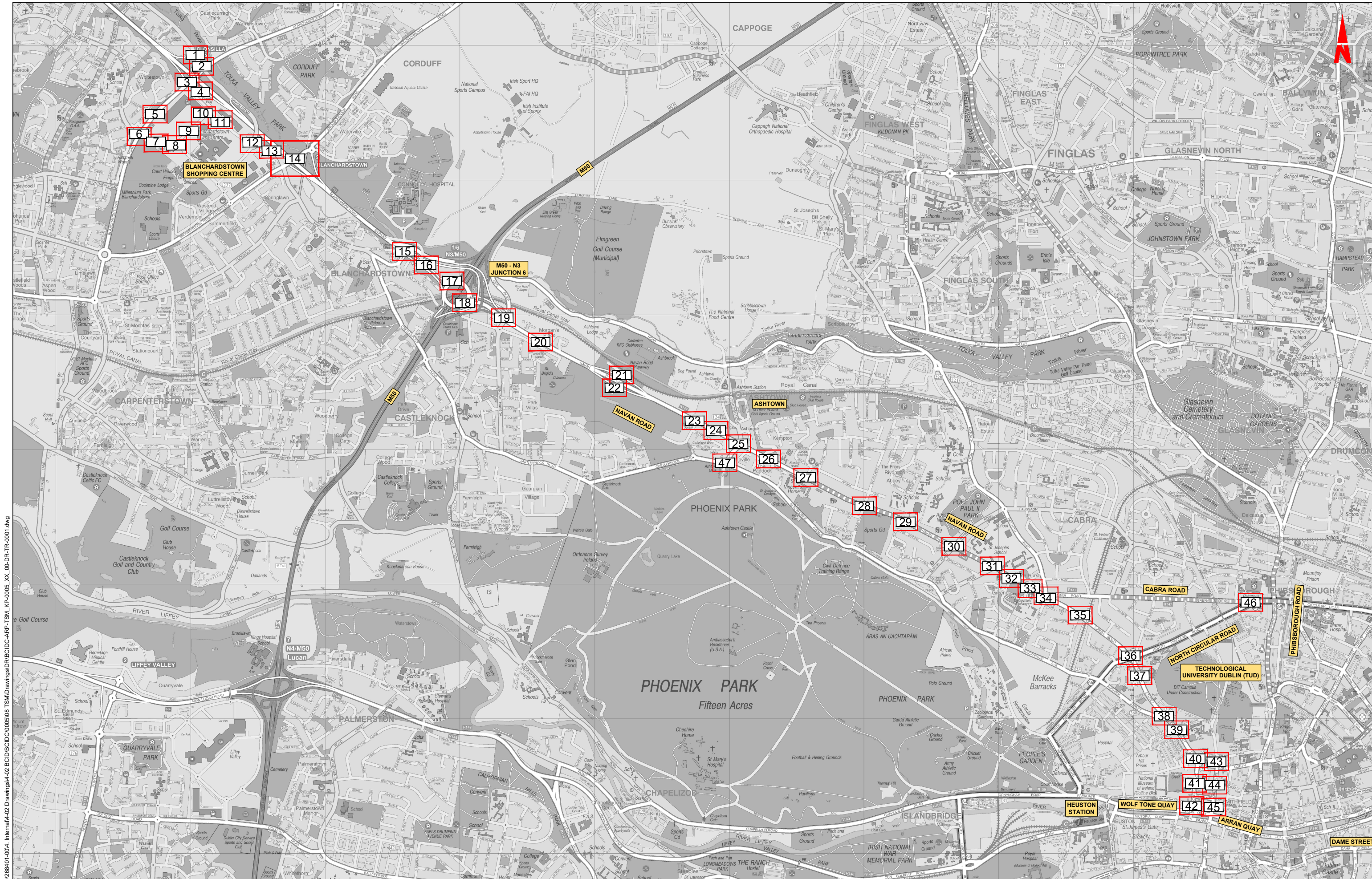


Rev	Date	Drn	Chk'd	App'd	Description
M01	04/04/2022	BM	GE	BD	ISSUE FOR PHASE 4: PLANNING

<p>Údarás Náisiúnta Iompair National Transport Authority</p>									
Date	04/04/2022	Scale	N/A @ A1 N/A @ A3	Drawn	BM	Checked	GE	Approved	BD
Project Code	BCIDC	Originator Code	ARP	OMS Code	268401-00				

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN COVER SHEET			
Drawing File Name	BCIDC-ARP-TSM_IX-0005_XX_00-DR-TR-0001	Sheet Number	01 of 01
Status	A	Rev	M01

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Rev	Date	Drn	Chk'd	App'd	Description
M01	04/04/2022	GMcT	GE	BD	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **ARUP**

Date: 04/04/2022 Scale: 1:12500 @ A1
1:20000 @ A3

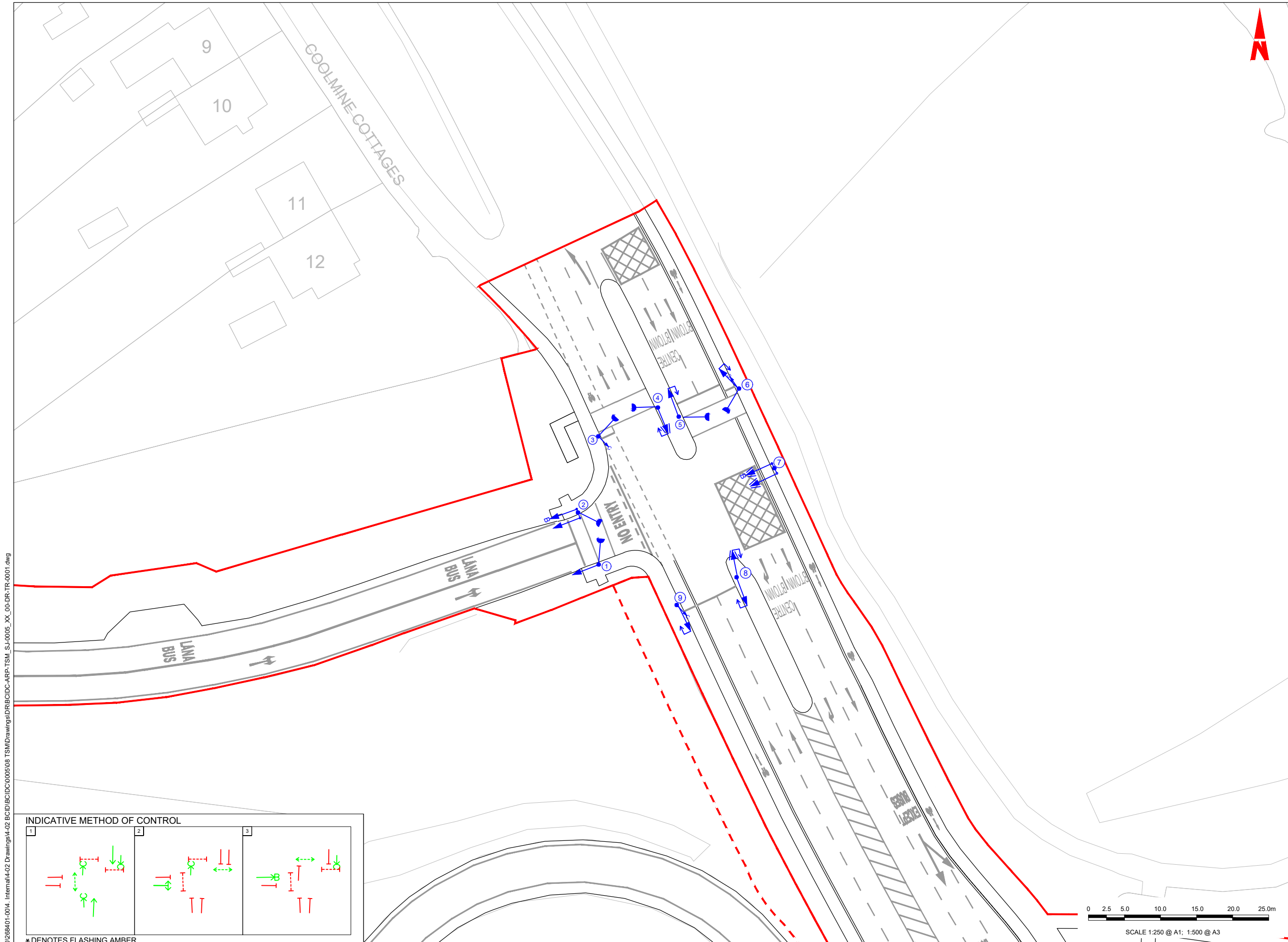
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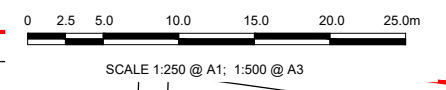
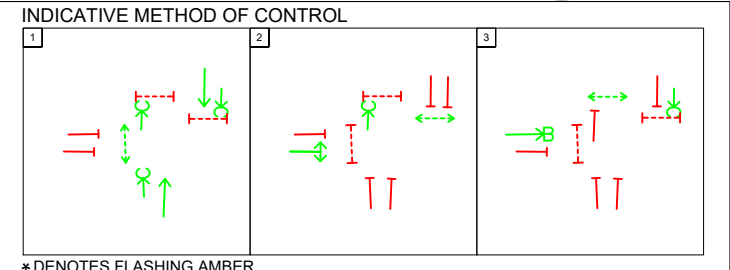
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Drawing Title	BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN KEY PLAN		
Drawing File Name	BCIDC-ARP-TSM_KP-0005_XX_00-DR-TR-0001	Sheet Number	01 of 01
Status	A	Rev	M01

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

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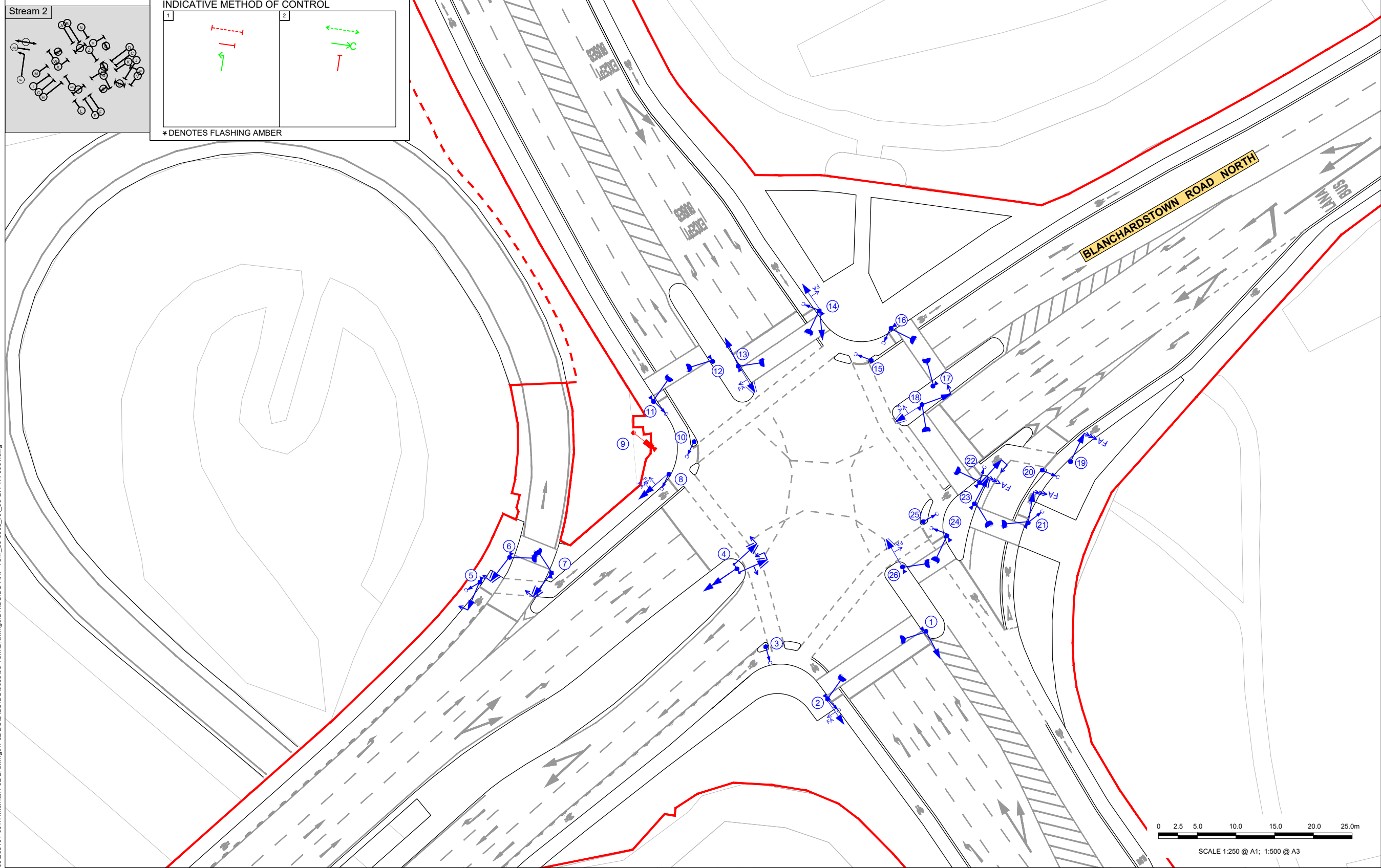
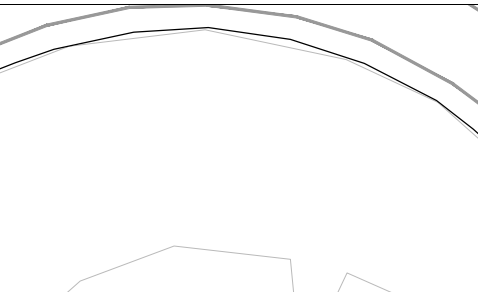
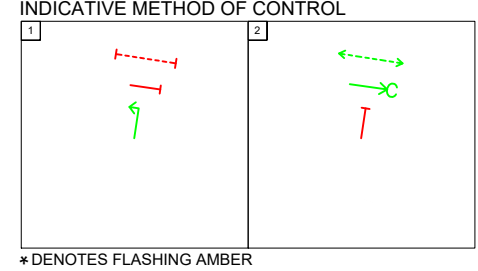
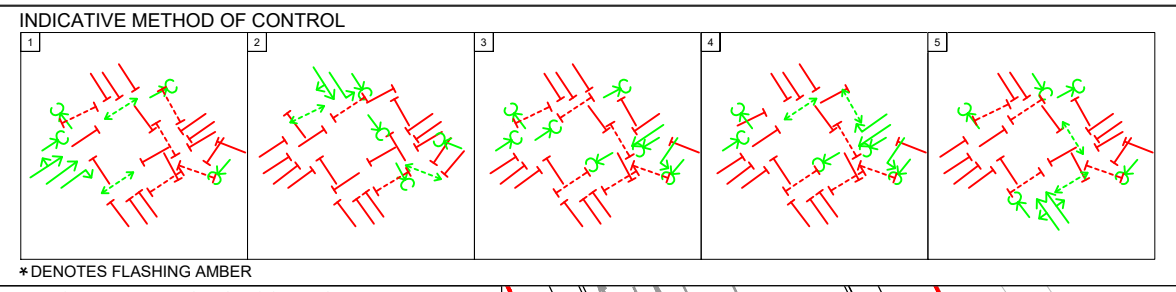
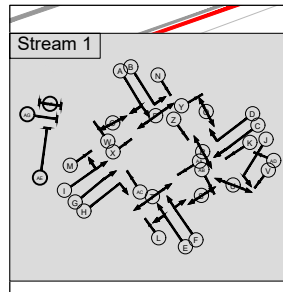
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M01	04/04/2022	GMcT	GE	BD	ISSUE FOR PHASE 4: PLANNING

Client

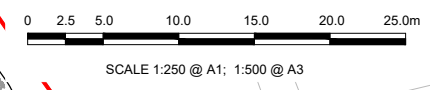
Engineering Designer

Programme Title		BUSCONNECTS DUBLIN		
		CORE BUS CORRIDORS INFRASTRUCTURE WORKS		
Drawing Title		BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME		
		JUNCTION SYSTEMS DESIGN		
		OLD NAVAN ROAD / MULHUDDART SLIP ROAD		
Drawing File Name	Sheet Number	Status	Rev	
BCIDC-ARP-TSM_SJ-0005_XX_00-DR-TR-0001	01 of 47	A	M01	

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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 001 PRIMARY
 - RTS 002 (B) PRIMARY
 - RTS 002 (C) PRIMARY
 - RTS 002 (C) SECONDARY
 - RTS 003 (J) SECONDARY
 - RTS 004 (A) PRIMARY
 - RTS 004 (A) SECONDARY
 - RTS 004 PRIMARY
 - RTS 004 SECONDARY
 - RTS 007 (LOW LEVEL) PRIMARY
 - RPC 004 PEDESTRIAN HEAD
- TRAFFIC SIGNAL EQUIPMENT:**
- PUSH BUTTON UNIT
 - POLE (STANDARD HEIGHT)
 - POLE NUMBER
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
 - 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	04/04/2022	GMcT	GE	BD	ISSUE FOR PHASE 4: PLANNING

Client: **NTA**
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 National Transport Authority

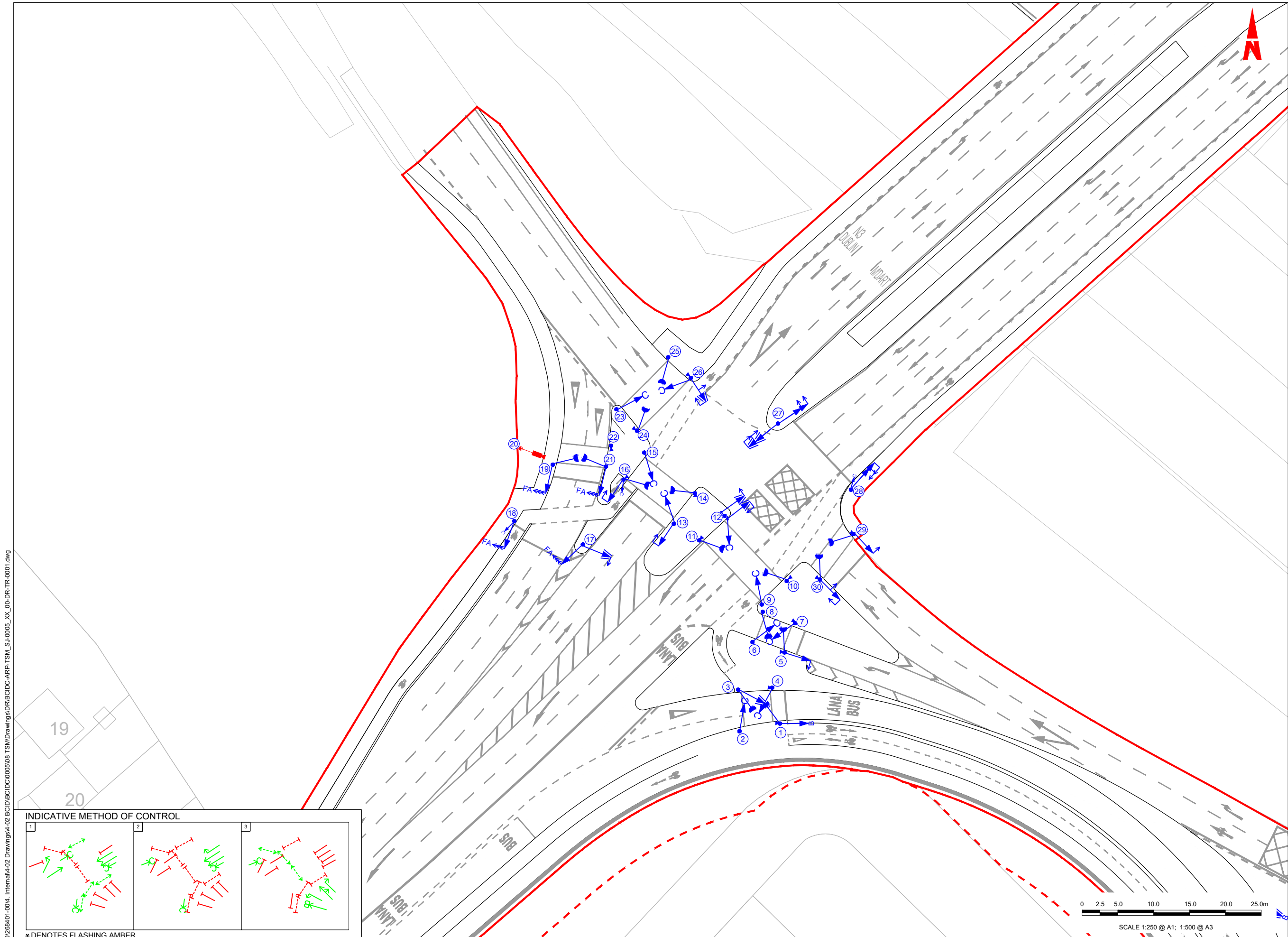
Engineering Designer: **ARUP**

Date: 04/04/2022
 Scale: 1:250 @ A1, 1:500 @ A3
 Drawn: GMcT, Checked: GE, Approved: BD
 Project Code: BCIDC, Originator Code: ARP, OMS Code: 268401-00

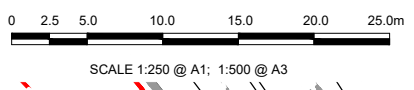
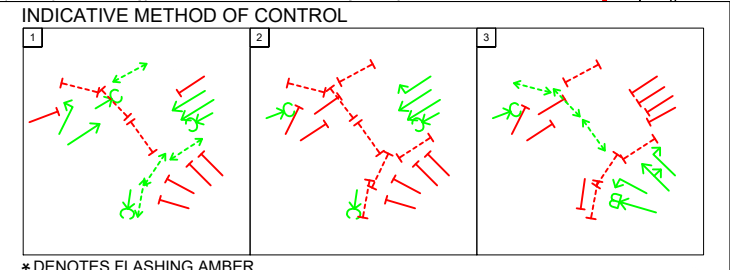
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CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME			
JUNCTION SYSTEMS DESIGN			
BLANCHARDSTOWN ROAD NORTH / OLD NAVAN ROAD			
Drawing File Name: BCIDC-ARP-TSM_SJ-0005_XX_00-DR-TR-0002	Sheet Number: 02 of 47	Status: A	Rev: M01

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- TRAFFIC SIGNAL HEADS:**
- 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 003 (J) PRIMARY
 - RTS 003 (J) SECONDARY
 - RTS 004 (A) PRIMARY
 - 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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M01	04/04/2022	GMcT	GE	BD	ISSUE FOR PHASE 4: PLANNING

Client

NTA
Udarás Náisiúnta Iompair
National Transport Authority

Engineering Designer

ARUP

Date: 04/04/2022 | Scale: 1:250 @ A1, 1:500 @ A3 | Drawn: GMcT | Checked: GE | Approved: BD

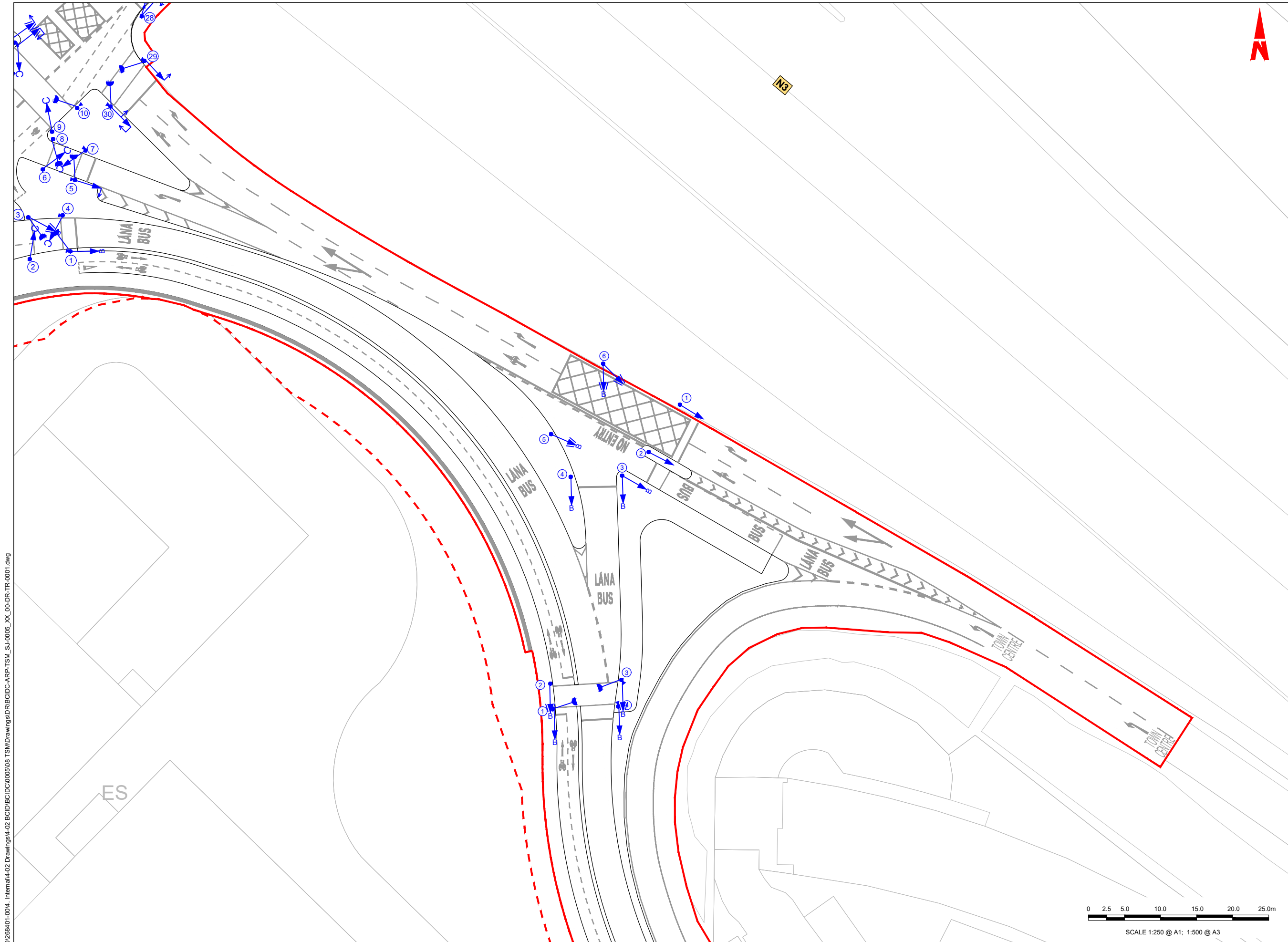
Project Code: BCIDC | Originator Code: ARP | OMS Code: 268401-00

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

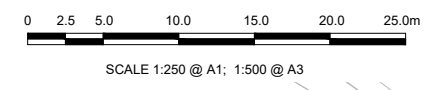
Drawing Title: **BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN BLANCHARDSTOWN ROAD SOUTH / N3 OFF-SLIP**

Drawing File Name: BCIDC-ARP-TSM_SJ-0005_XX_00-DR-TR-0003	Sheet Number: 03 of 47	Status: A	Rev: M01
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- TRAFFIC SIGNAL HEADS:**
 - RTS 001 PRIMARY
 - RTS 001 SECONDARY
 - RTS 002 (D) PRIMARY
 - RTS 002 (D) SECONDARY
 - 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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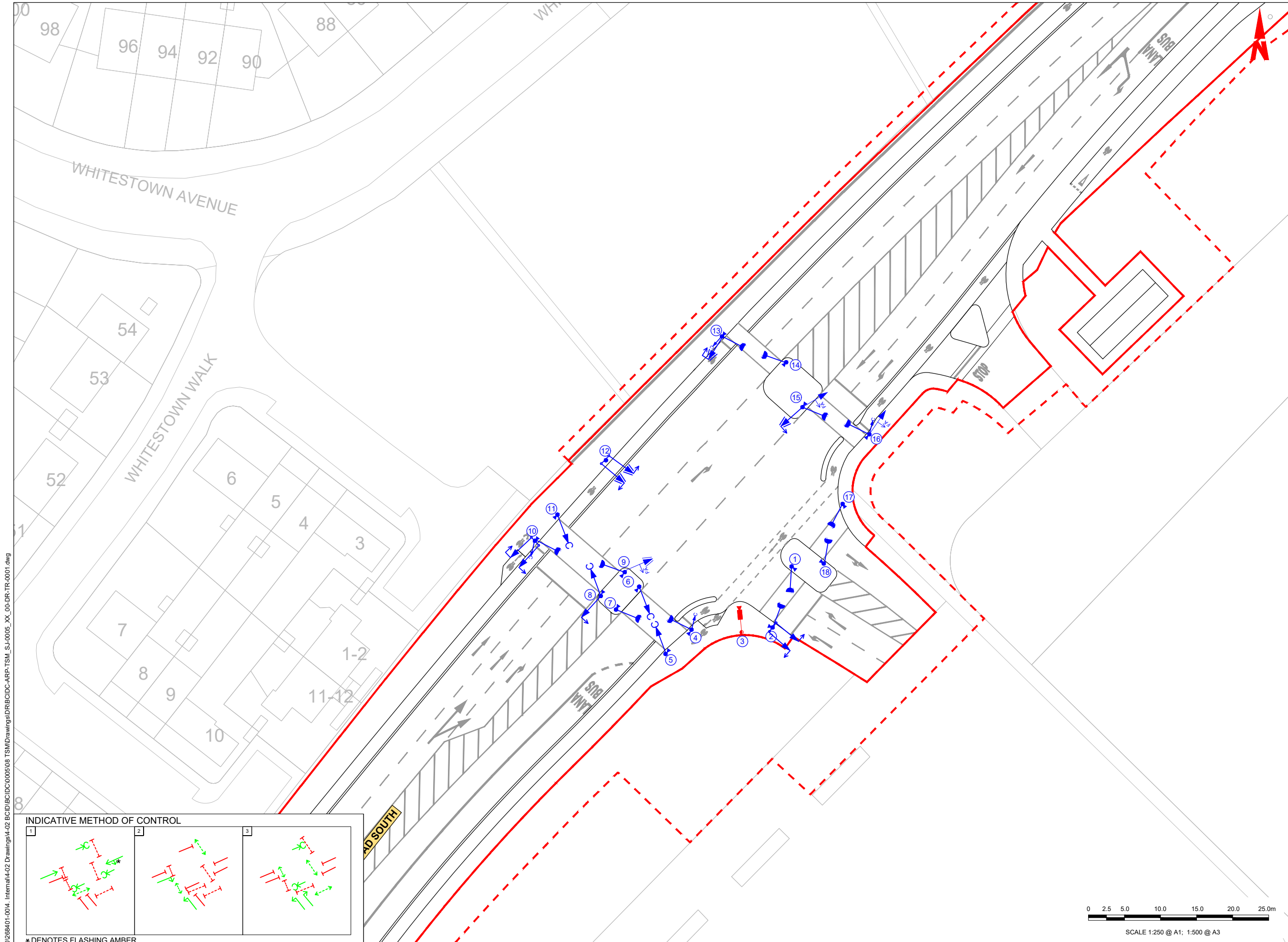
Rev	Date	Drn	Chk'd	App'd	Description
M01	04/04/2022	GMcT	GE	BD	ISSUE FOR PHASE 4: PLANNING

Client

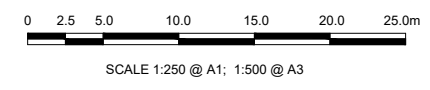
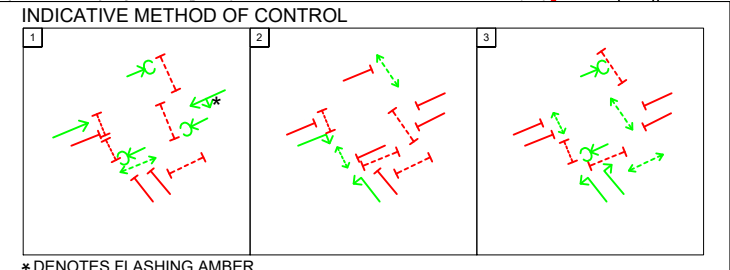
Engineering Designer

Programme Title		BUSCONNECTS DUBLIN		
		CORE BUS CORRIDORS INFRASTRUCTURE WORKS		
Drawing Title		BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME		
		JUNCTION SYSTEMS DESIGN		
		CROWNE PLAZA / N3 OFF-SLIP		
Drawing File Name	Sheet Number	Status	Rev	
BCIDC-ARP-TSM_SJ-0005_XX_00-DR-TR-0004	04 of 47	A	M01	

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



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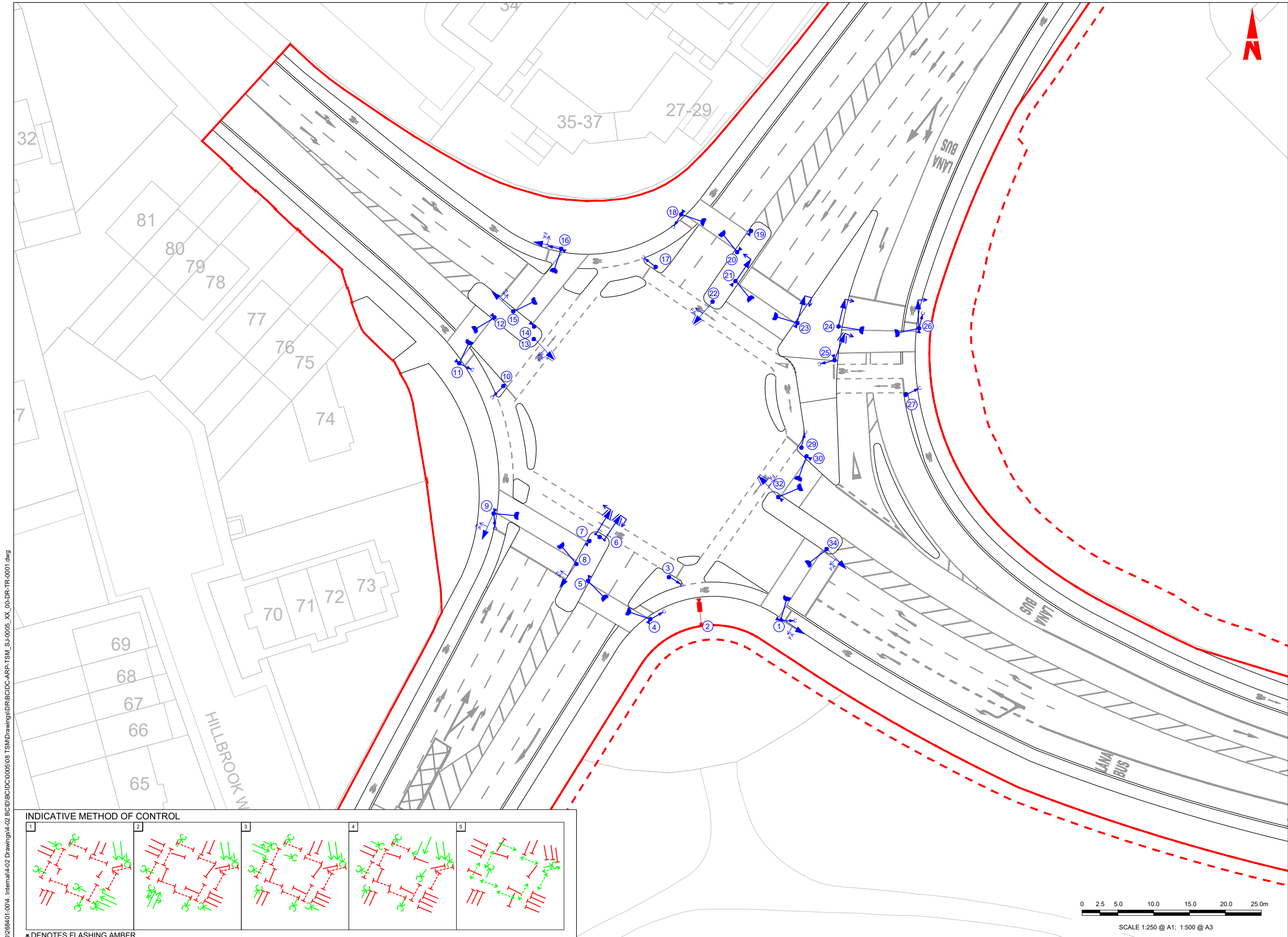
Rev	Date	Drn	Chk'd	App'd	Description
M01	04/04/2022	GmCt	GE	BD	ISSUE FOR PHASE 4: PLANNING

Client

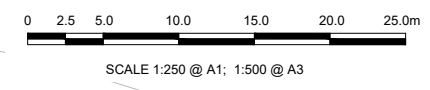
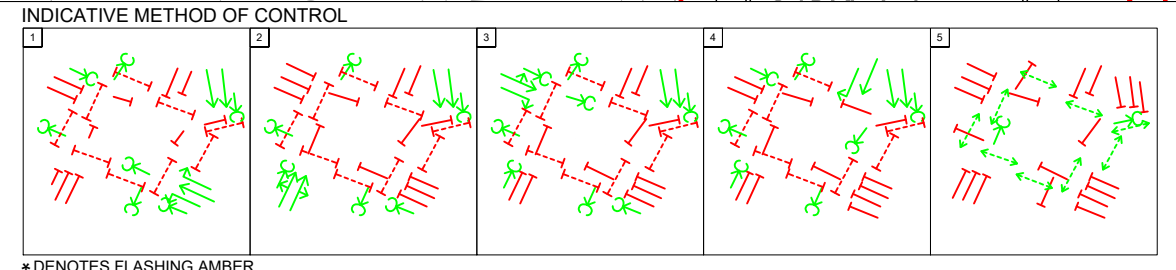
Engineering Designer

Programme Title		BUSCONNECTS DUBLIN		
		CORE BUS CORRIDORS INFRASTRUCTURE WORKS		
Drawing Title		BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME		
		JUNCTION SYSTEMS DESIGN		
		BLANCHARDSTOWN ROAD SOUTH / SHOPPING CENTRE CAR PARK		
Drawing File Name	Sheet Number	Status	Rev	
BCIDC-ARP-TSM_SJ-0005_XX_00-DR-TR-0005	05 of 47	A	M01	

DO NOT SCALE USE FIGURED DIMENSIONS ONLY



- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 002 (A) PRIMARY
 - RTS 002 (A) SECONDARY
 - RTS 002 (B) PRIMARY
 - RTS 002 (B) SECONDARY
 - RTS 002 (C) PRIMARY
 - RTS 002 (C) SECONDARY
 - RTS 004 PRIMARY
 - RTS 004 SECONDARY
 - RTS 007 (LOW LEVEL) PRIMARY
 - RPC 004 PEDESTRIAN HEAD
- TRAFFIC SIGNAL EQUIPMENT:**
- PUSH BUTTON UNIT
 - POLE (STANDARD HEIGHT)
 - POLE NUMBER
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
 - 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	04/04/2022	GMcT	GE	BD	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **ARUP**

Date: 04/04/2022 | Scale: 1:250 @ A1, 1:500 @ A3 | Drawn: GMcT | Checked: GE | Approved: BD

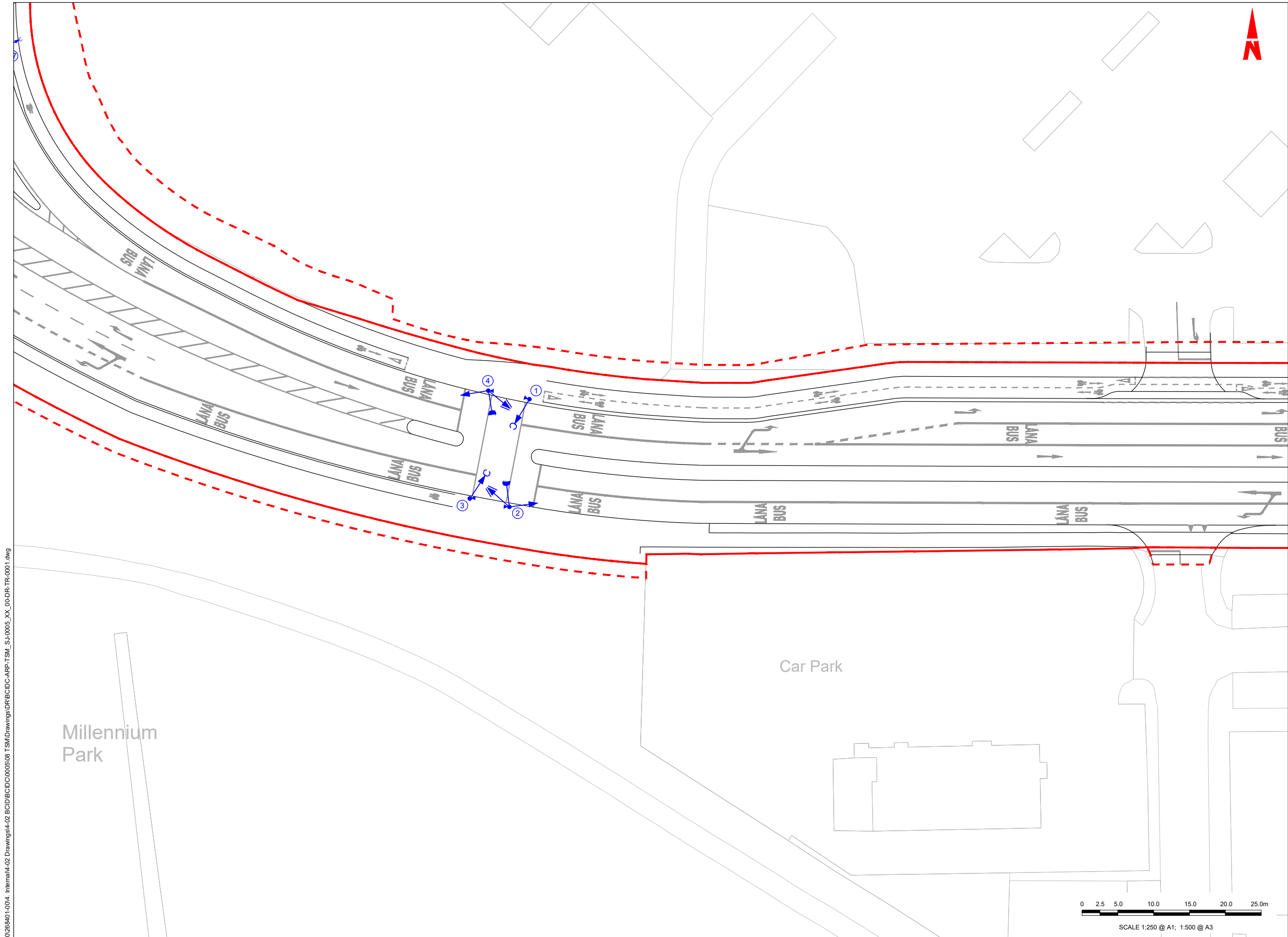
Project Code: BCIDC | Originator Code: ARP | OMS Code: 268401-00

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

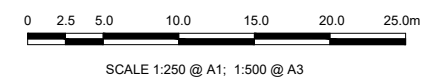
Drawing Title: **BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN BLANCHARDSTOWN ROAD SOUTH / BLAKESTOWN WAY**

Drawing File Name: BCIDC-ARP-TSM_SJ-0005_XX_00-DR-TR-0006	Sheet Number: 06 of 47	Status: A	Rev: M01
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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
 - RTS 001 PRIMARY
 - RTS 001 SECONDARY
 - RTS 007 (HIGH LEVEL) PRIMARY
 - RPC 004 PEDESTRIAN HEAD
 - TRAFFIC SIGNAL EQUIPMENT:**
 - POLE (STANDARD HEIGHT)
 - PUSH BUTTON UNIT
 - POLE NUMBER
 - GENERAL:**
 - SITE BOUNDARY LINE
 - TEMPORARY LAND ACQUISITION



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Rev	Date	Drn	Chk'd	App'd	Description
M01	04/04/2022	GMcT	GE	BD	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **ARUP**

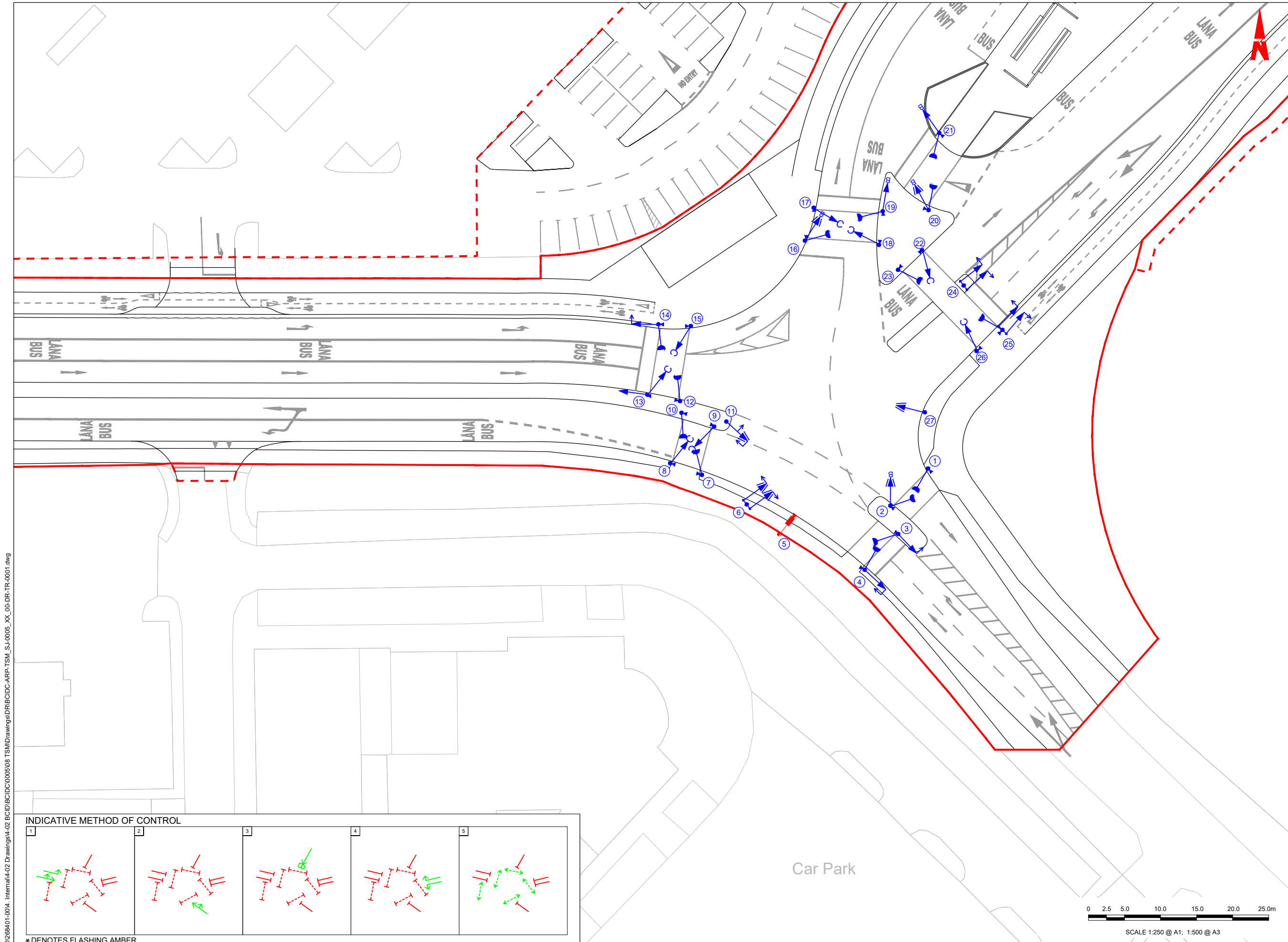
Date	04/04/2022	Scale	1:250 @ A1 1:500 @ A3	Drawn	GMcT	Checked	GE	Approved	BD
Project Code	BCIDC	Originator Code	ARP	OMS Code	268401-00				

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

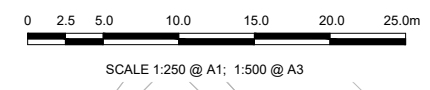
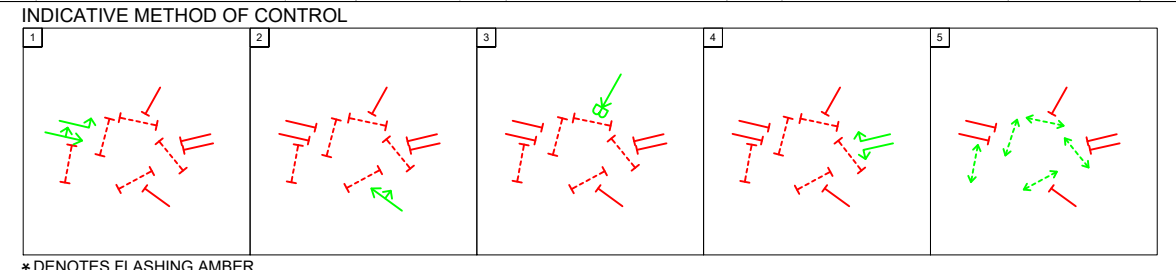
Drawing Title: **BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME
JUNCTION SYSTEMS DESIGN
MILLENNIUM PARK PEDESTRIAN CROSSING**

Drawing File Name	BCIDC-ARP-TSM_SJ-0005_XX_00-DR-TR-0007	Sheet Number	07 of 47	Status	A	Rev	M01
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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 001 PRIMARY
 - RTS 001 SECONDARY
 - RTS 002 (B) PRIMARY
 - RTS 002 (C) PRIMARY
 - RTS 002 (C) SECONDARY
 - RTS 002 (D) PRIMARY
 - RTS 002 (D) SECONDARY
 - RTS 003 (J) SECONDARY
 - RTS 007 (HIGH LEVEL) PRIMARY
 - RPC 004 PEDESTRIAN HEAD
- TRAFFIC SIGNAL EQUIPMENT:**
- PUSH BUTTON UNIT
 - POLE NUMBER
 - POLE (STANDARD HEIGHT)
 - PAN / TILT / ZOOM CCTV CAMERA
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
- GENERAL:**
- SITE BOUNDARY LINE
 - TEMPORARY LAND ACQUISITION



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

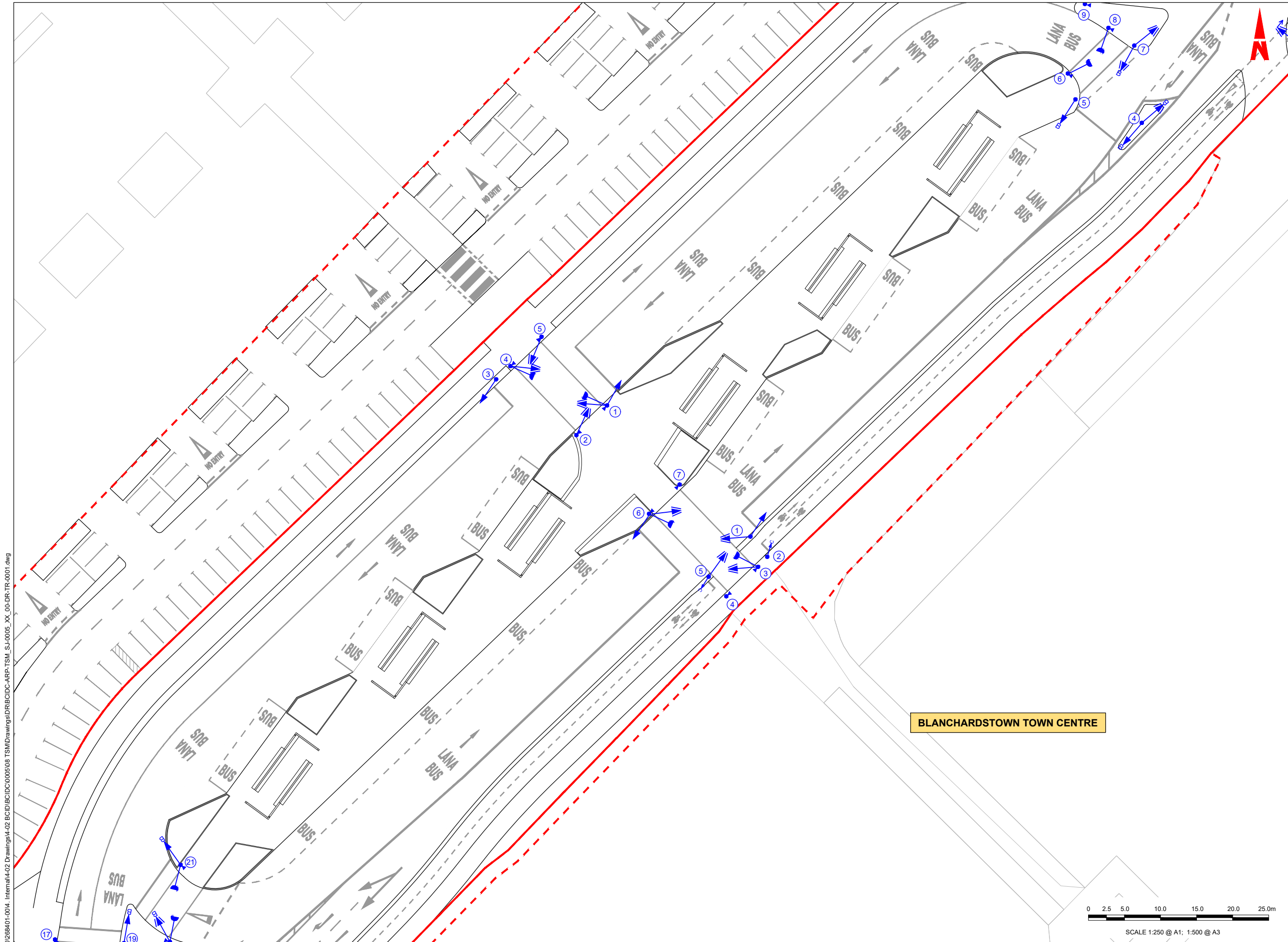
Engineering Designer: **ARUP**

Date: 04/04/2022 | Scale: 1:250 @ A1, 1:500 @ A3 | Drawn: GMcT | Checked: GE | Approved: BD

Project Code: BCIDC | Originator Code: ARP | OMS Code: 268401-00

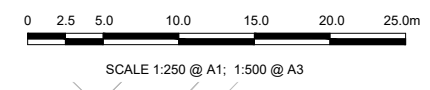
Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN BUS INTERCHANGE WESTERN ACCESS			
Drawing File Name: BCIDC-ARP-TSM_SJ-0005_XX_00-DR-TR-0008	Sheet Number: 08 of 47	Status: A	Rev: M01

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

BLANCHARDSTOWN TOWN CENTRE



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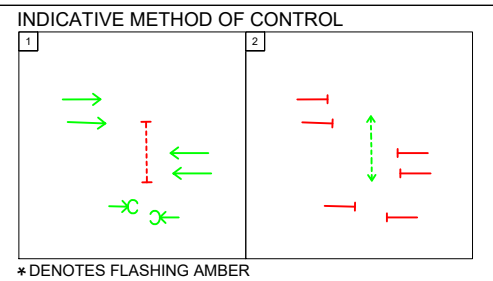
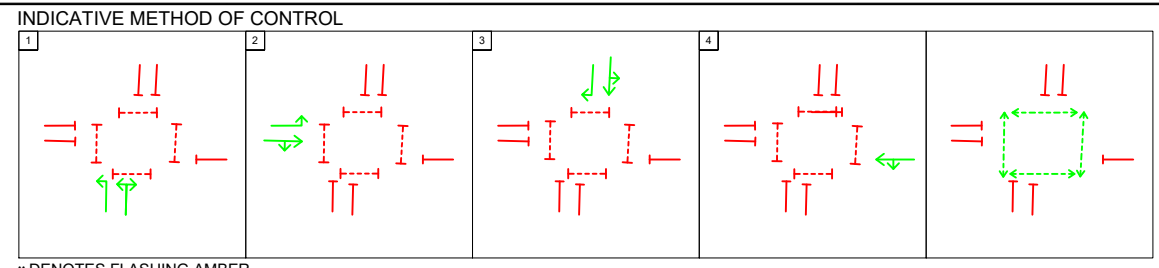
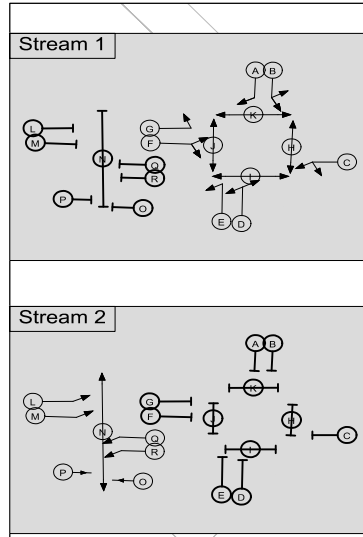
Rev	Date	Drn	Chk'd	App'd	Description
M01	04/04/2022	GMcT	GE	BD	ISSUE FOR PHASE 4: PLANNING

Client

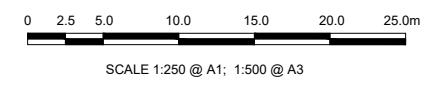
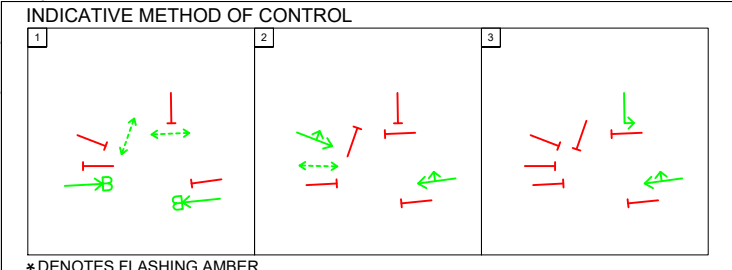
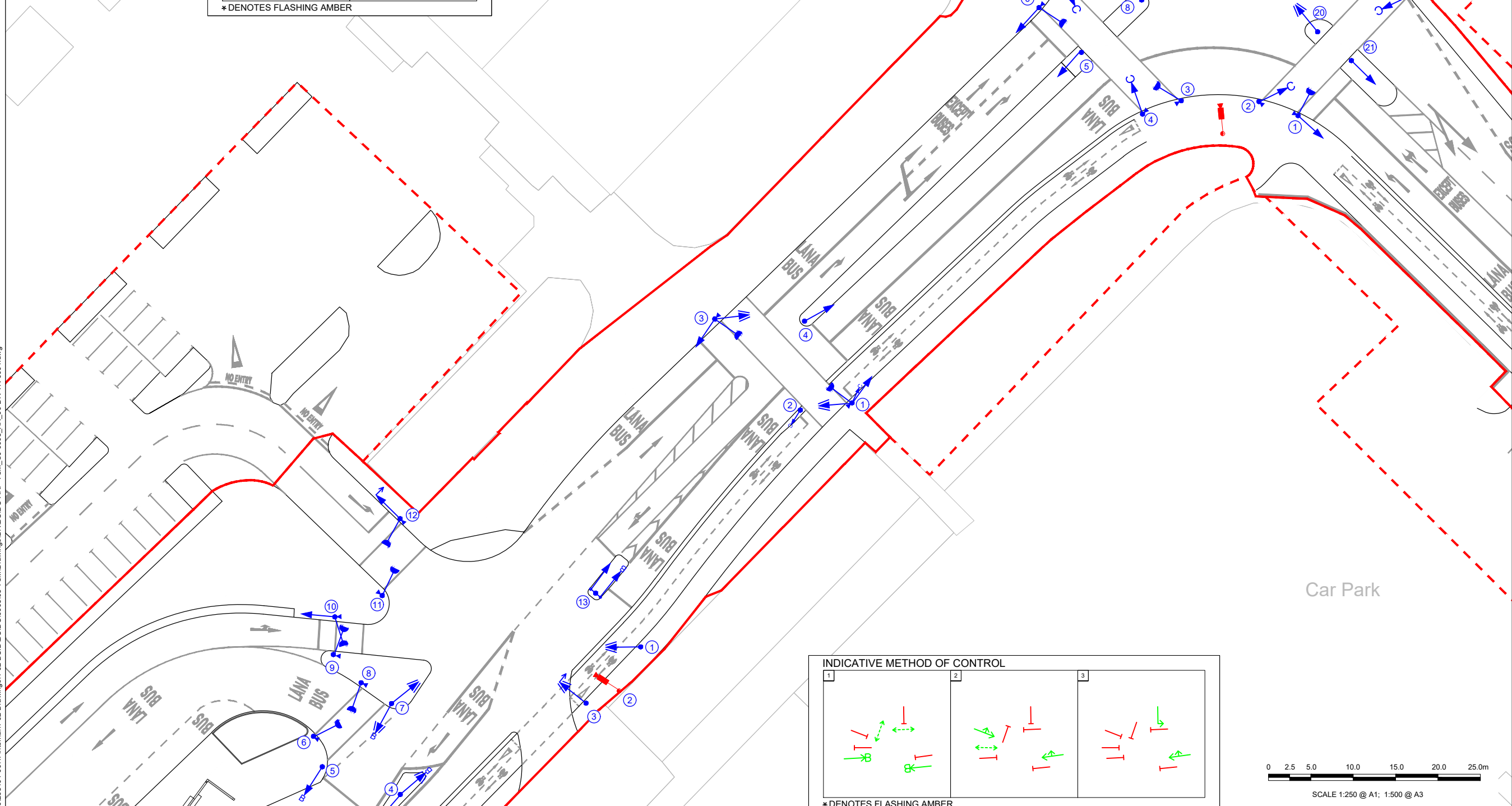
Engineering Designer

Programme Title					BUSCONNECTS DUBLIN
Core Bus Corridors Infrastructure Works					
Drawing Title					BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME
JUNCTION SYSTEMS DESIGN					
BLANCHARDSTOWN CENTRE PEDESTRIAN CROSSING					
Drawing File Name	Sheet Number	Status	Rev		
BCIDC-ARP-TSM_SJ-0005_XX_00-DR-TR-0009	09 of 47	A	M01		

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



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M01	04/04/2022	GMcT	GE	BD	ISSUE FOR PHASE 4: PLANNING

Client

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

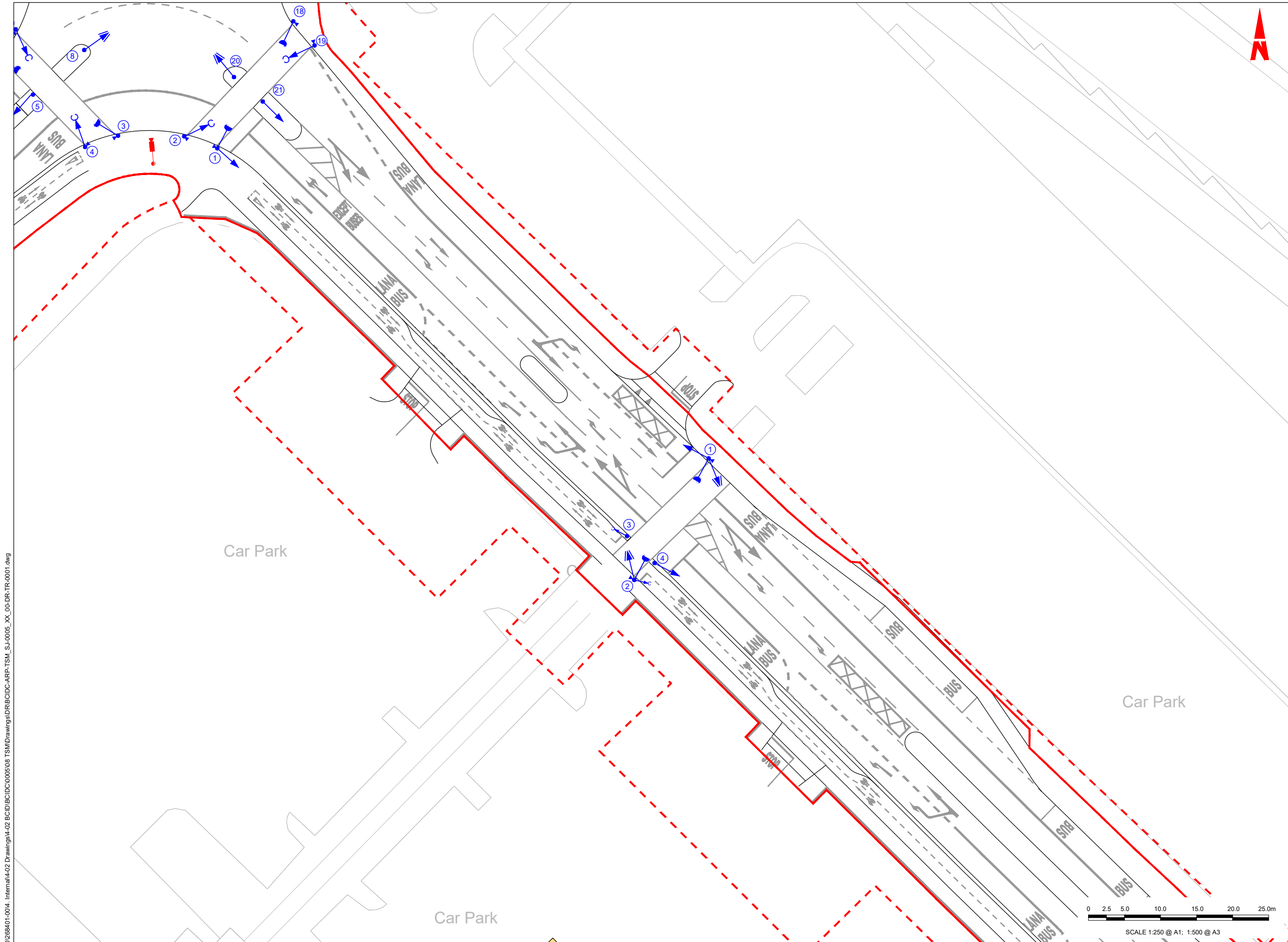
Engineering Designer

Drawn: GMcT
Checked: GE
Approved: BD

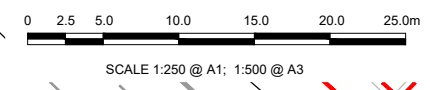
Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN BUS INTERCHANGE EASTERN ACCESS & CROWNE PLAZA			
Drawing File Name BCIDC-ARP-TSM_SJ-0005_XX_00-DR-TR-0010	Sheet Number 10 of 47	Status 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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Rev	Date	Drn	Chk'd	App'd	Description
M01	04/04/2022	GMcT	GE	BD	ISSUE FOR PHASE 4: PLANNING

Client

Engineering Designer

Date: 04/04/2022 | Scale: 1:250 @ A1, 1:500 @ A3 | Drawn: GMcT | Checked: GE | Approved: BD

Project Code: BCIDC | Originator Code: ARP | OMS Code: 268401-00

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

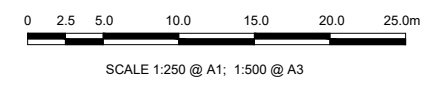
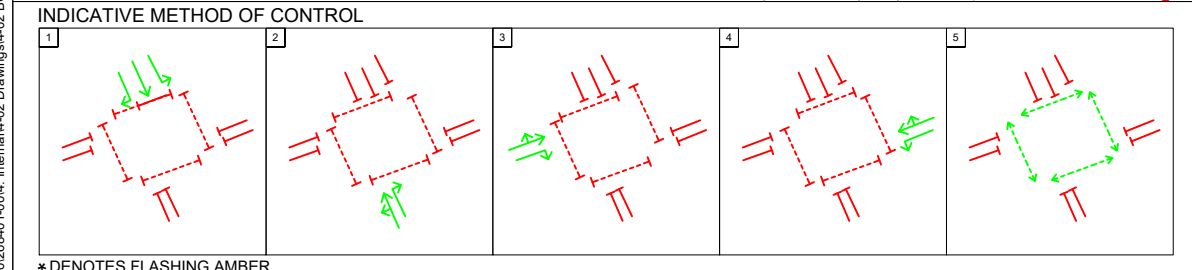
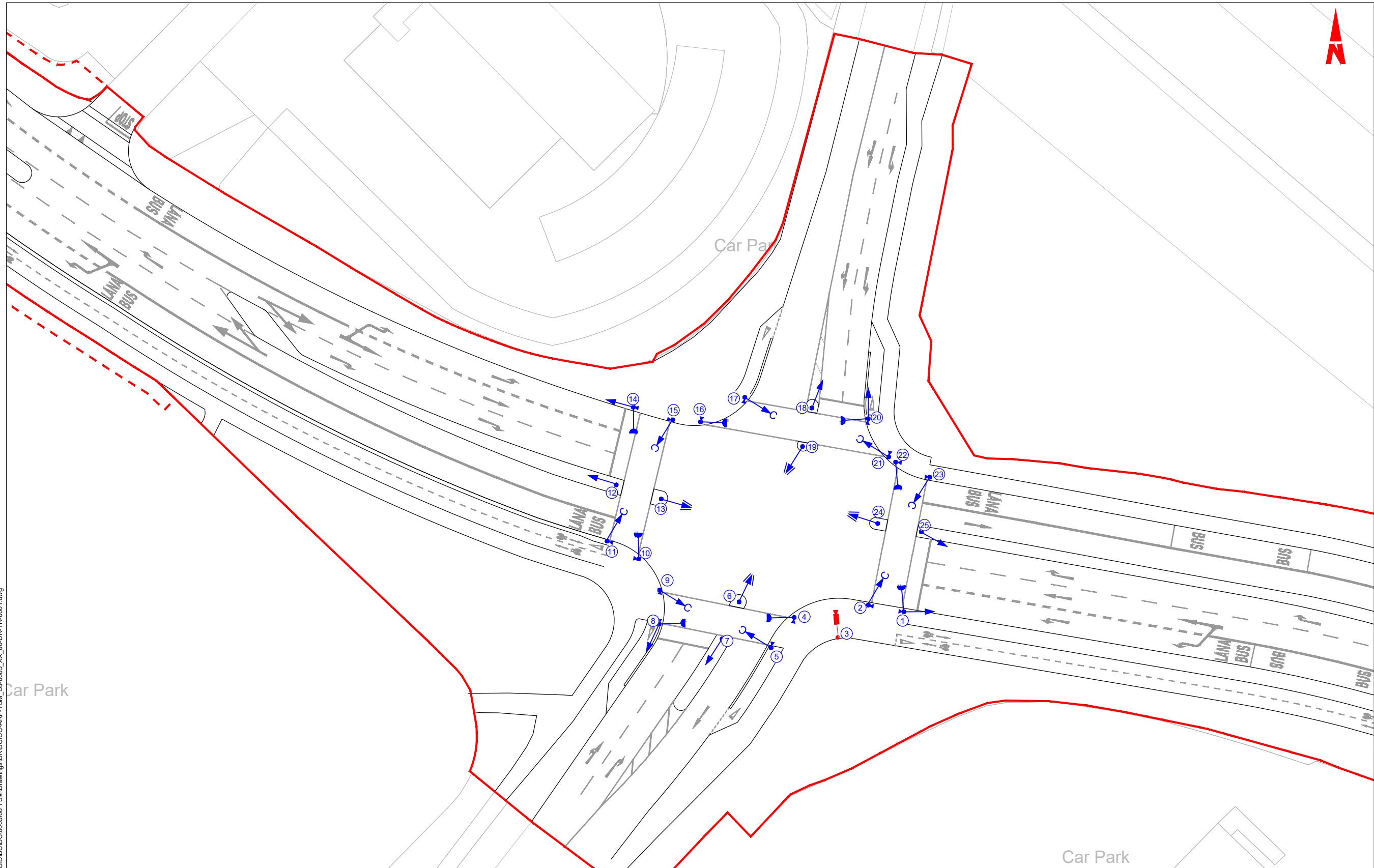
Drawing Title: **BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN BAIE BARS BLANCHARDSTOWN PEDESTRIAN CROSSING**

Drawing File Name	Sheet Number	Status	Rev
BCIDC-ARP-TSM_SJ-0005_XX_00-DR-TR-0011	11 of 47	A	M01

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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 001 PRIMARY
 - RTS 001 SECONDARY
 - RTS 007 (HIGH LEVEL) PRIMARY
 - RPC 004 PEDESTRIAN HEAD
- TRAFFIC SIGNAL EQUIPMENT:**
- PUSH BUTTON UNIT
 - POLE (STANDARD HEIGHT)
 - POLE NUMBER
 - 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	04/04/2022	GMcT	GE	BD	ISSUE FOR PHASE 4: PLANNING

Client

NTA
Udarás Náisiúnta Iompair
National Transport Authority

Engineering Designer

ARUP

Date: 04/04/2022 | Scale: 1:250 @ A1, 1:500 @ A3 | Drawn: GMcT | Checked: GE | Approved: BD

Project Code: BCIDC | Originator Code: ARP | OMS Code: 268401-00

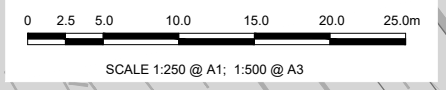
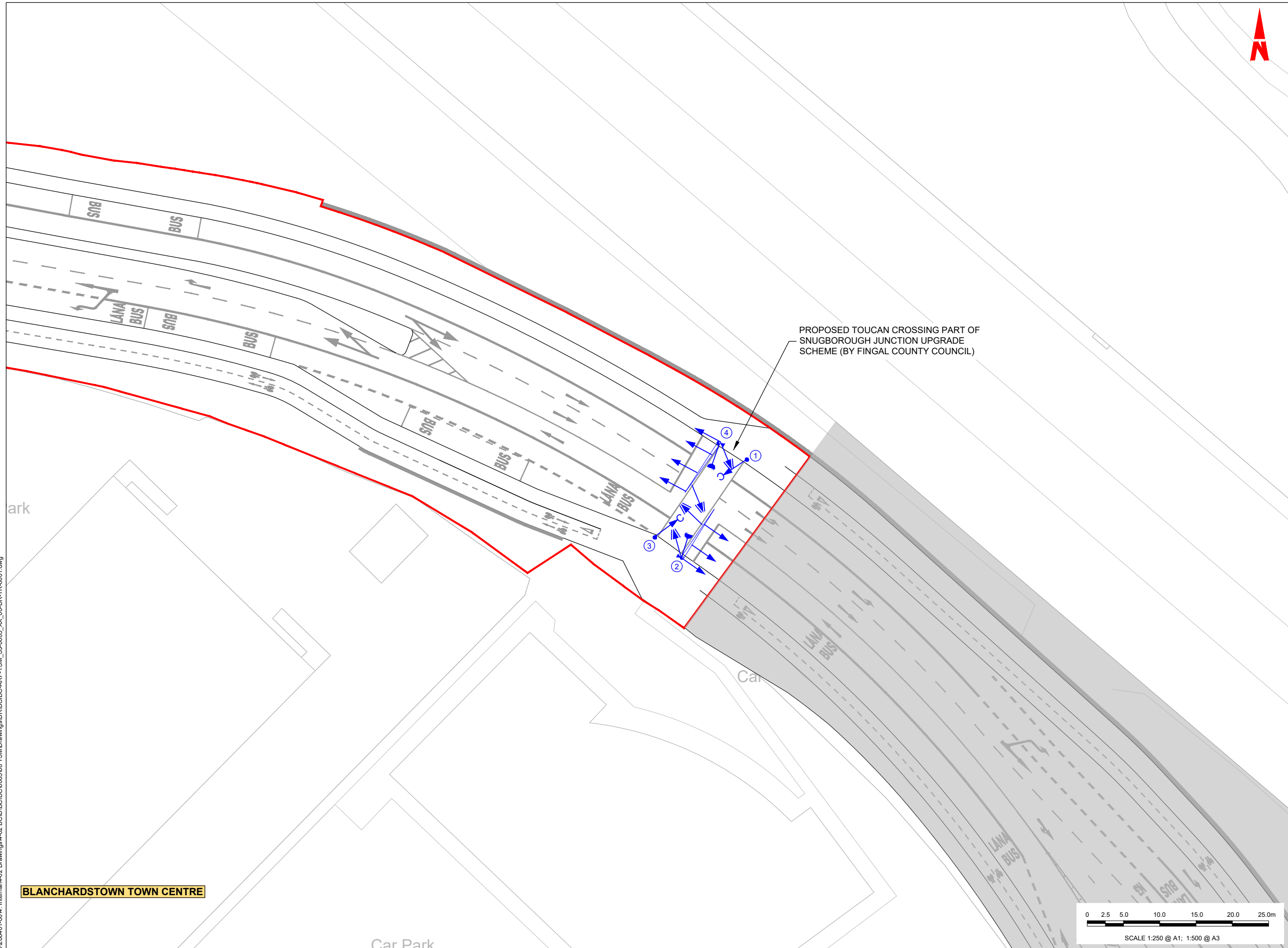
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Drawing Title BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN L3020 / LIBERTY INSURANCE			
Drawing File Name BCIDC-ARP-TSM_SJ-0005_XX_00-DR-TR-0012	Sheet Number 12 of 47	Status A	Rev M01

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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 001 PRIMARY
 - RTS 001 SECONDARY
 - RTS 007 (HIGH 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
 - TEMPORARY LAND ACQUISITION



BLANCHARDSTOWN TOWN CENTRE

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Project Ireland 2040
 Building Ireland's Future

Rev	Date	Drn	Chk'd	App'd	Description
M01	04/04/2022	GMcT	GE	BD	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **ARUP**

Date: 04/04/2022
 Scale: 1:250 @ A1, 1:500 @ A3
 Project Code: BCIDC
 Originator Code: ARP
 OMS Code: 268401-00

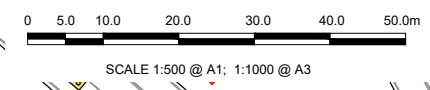
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Drawing Title: BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN L3020 PEDESTRIAN CROSSING			
Drawing File Name: BCIDC-ARP-TSM_SJ-0005_XX_00-DR-TR-0013	Sheet Number: 13 of 47	Status: A	Rev: M01

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PROPOSED TOUCAN CROSSING PART OF
SNUGBOROUGH JUNCTION UPGRADE
SCHEME (BY FINGAL COUNTY COUNCIL)

SNUGBOROUGH
JUNCTION UPGRADE
SCHEME (BY FINGAL
COUNTY COUNCIL)

River Tolka



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Rev	Date	Drn	Chk'd	App'd	Description
M01	04/04/2022	GMcT	GE	BD	ISSUE FOR PHASE 4: PLANNING

Client
NTA
 Údarás Náisiúnta Iompair
 National Transport Authority

Engineering Designer
ARUP

Date	04/04/2022	Scale	1:500 @ A1 1:1000 @ A3
Drawn	GMcT	Checked	GE
Approved	BD		

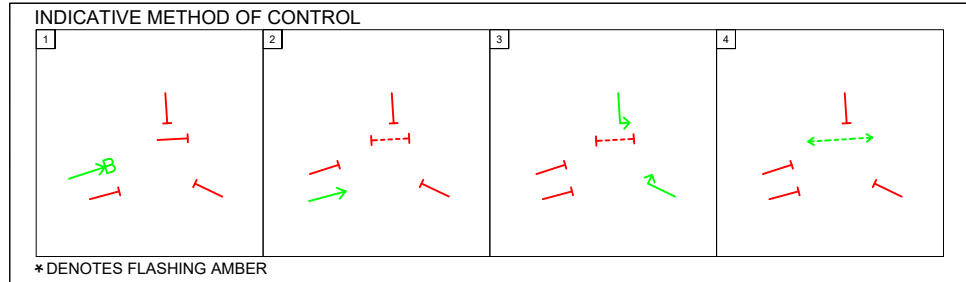
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**BUSCONNECTS DUBLIN
 CORE BUS CORRIDORS INFRASTRUCTURE WORKS**

Drawing Title
 BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME
 JUNCTION SYSTEMS DESIGN
 SNUGBOROUGH ROAD / L3020 & N3 (SOUTHBOUND ON-RAMP) & WATERVILLE ROAD

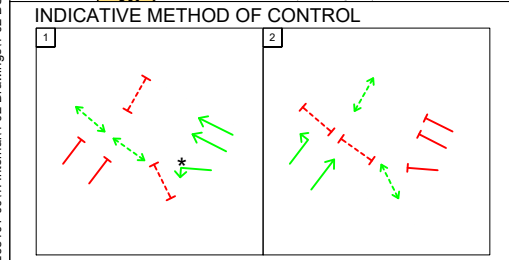
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Sheet Number	14 of 47	Status	A	Rev	M01
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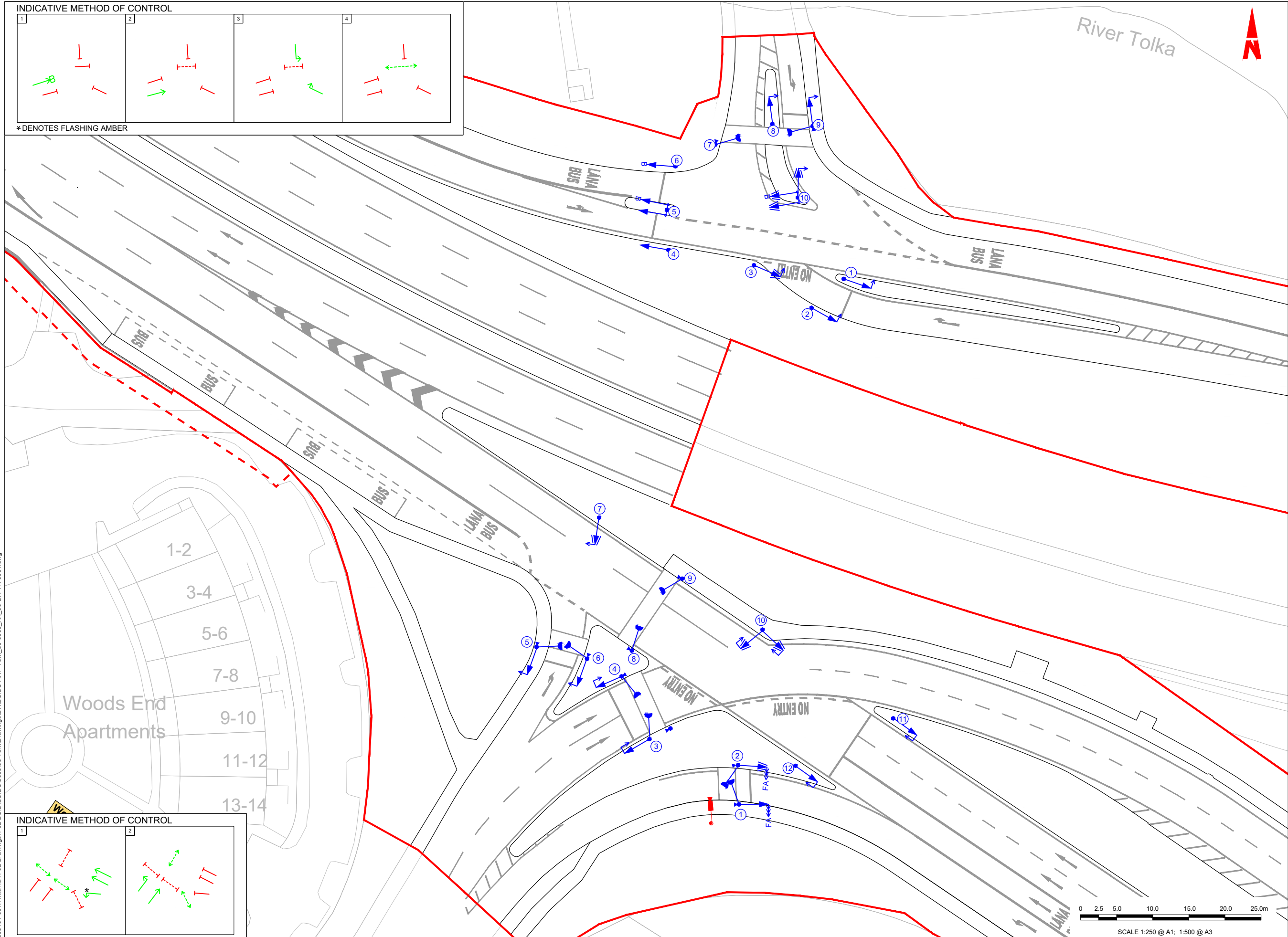
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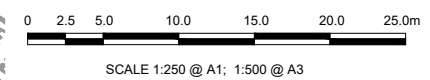
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* DENOTES FLASHING AMBER



- 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 (A) PRIMARY
 - RTS 004 (A) SECONDARY
 - RPC 004 PEDESTRIAN HEAD
- TRAFFIC SIGNAL EQUIPMENT:**
- POLE NUMBER
 - POLE (STANDARD HEIGHT)
 - PAN / TILT / ZOOM CCTV CAMERA
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
 - PUSH BUTTON UNIT
- GENERAL:**
- SITE BOUNDARY LINE
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M01	04/04/2022	GMcT	GE	BD	ISSUE FOR PHASE 4: PLANNING

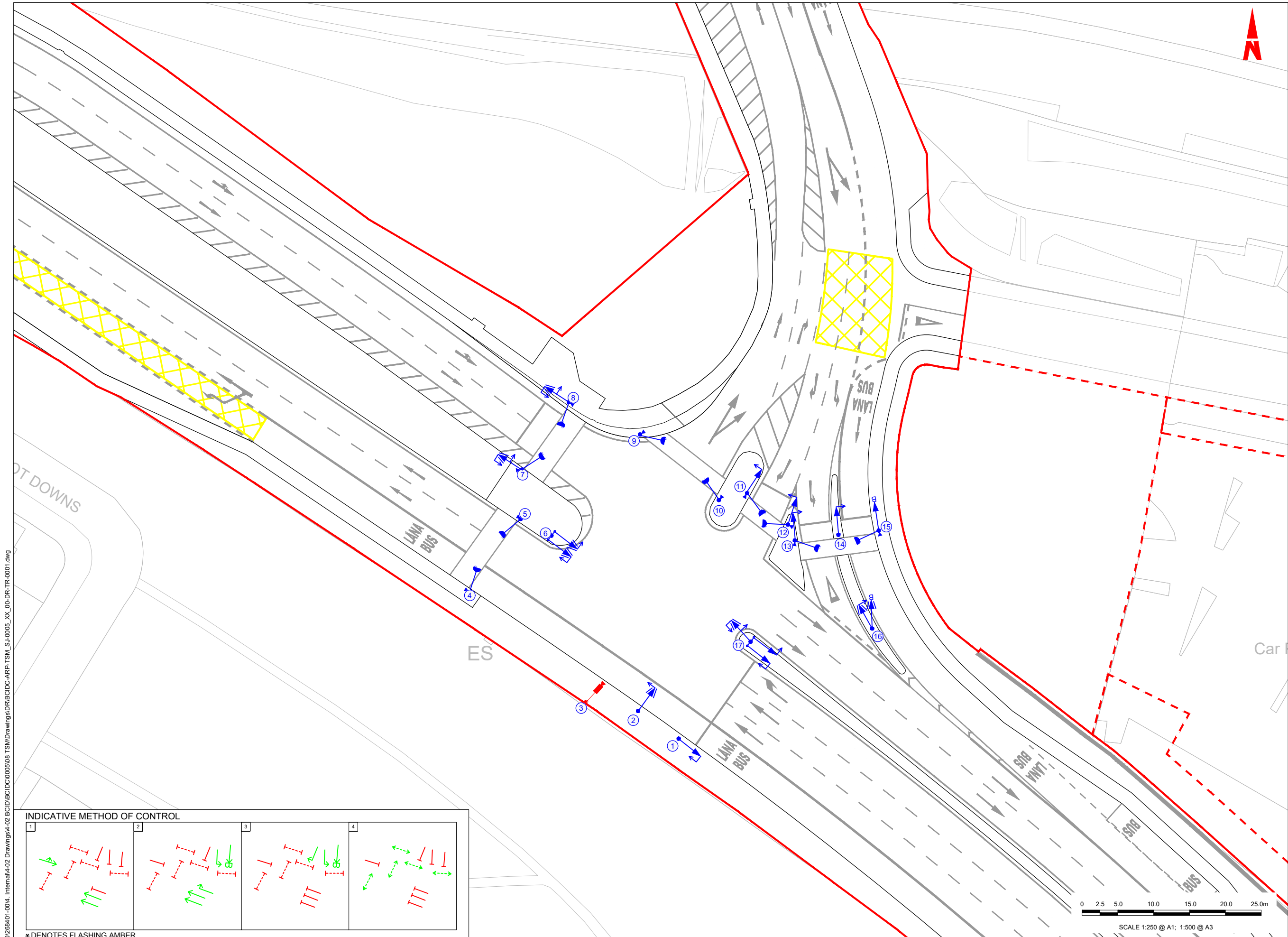
Client

Engineering Designer

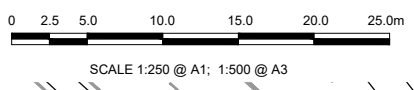
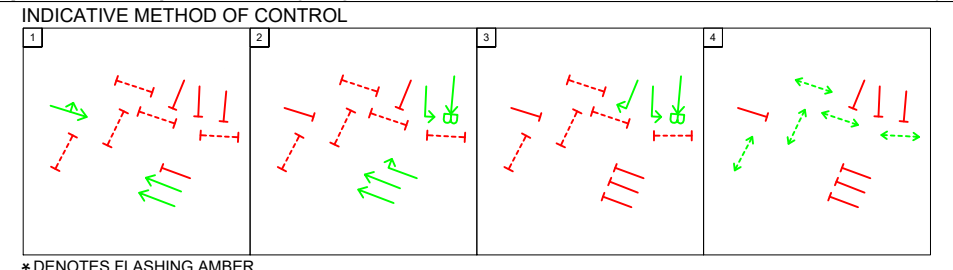
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		CORE BUS CORRIDORS INFRASTRUCTURE WORKS		
Drawing Title		BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME		
		JUNCTION SYSTEMS DESIGN		
		N3 EASTBOUND OFF-SLIP / CONNOLLY HOSPITAL ACCESS & NAVAN ROAD / OLD NAVAN ROAD		
Drawing File Name	Sheet Number	Status	Rev	
BCIDC-ARP-TSM_SJ-0005_XX_00-DR-TR-0015	15 of 47	A	M01	

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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- 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 003 (H) SECONDARY
 - 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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M01	04/04/2022	GMcT	GE	BD	ISSUE FOR PHASE 4: PLANNING

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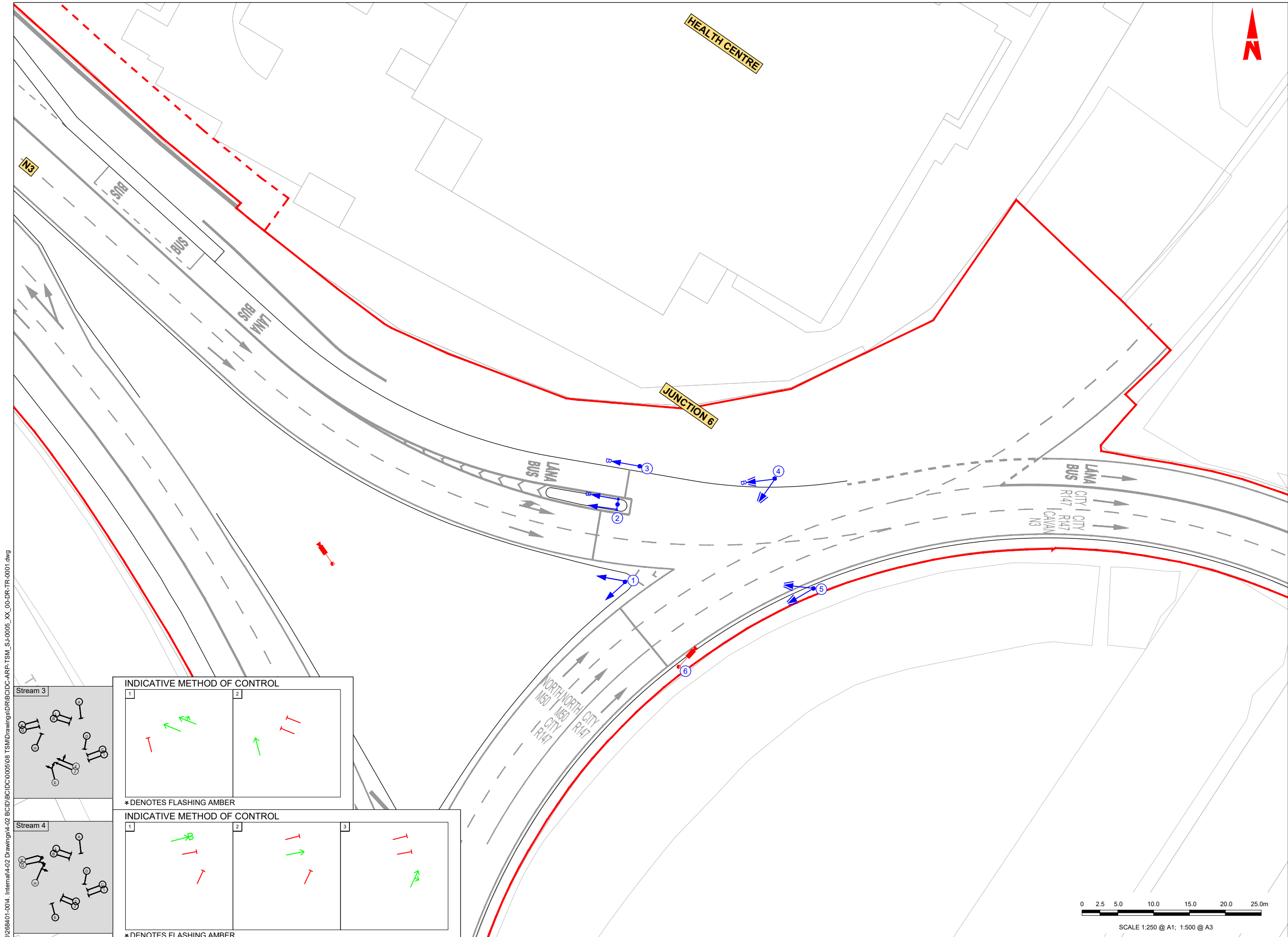
NTA
Údarás Náisiúnta Iompair
National Transport Authority

Engineering Designer

ARUP

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN NAVAN ROAD / N3 EASTBOUND OFF-SLIP			
Date 04/04/2022	Scale 1:250 @ A1 1:500 @ A3	Drawn GMcT	Checked GE
Project Code BCIDC	Originator Code ARP	OMS Code 268401-00	Approved BD
Drawing File Name BCIDC-ARP-TSM_SJ-0005_XX_00-DR-TR-0016	Sheet Number 16 of 47	Status A	Rev M01

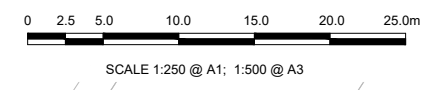
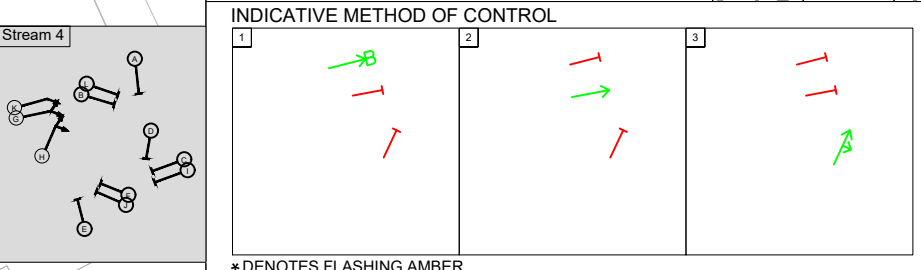
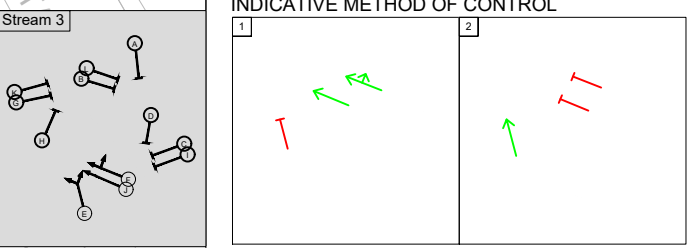
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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 001 PRIMARY
 - RTS 001 SECONDARY
 - RTS 002 (D) PRIMARY
 - RTS 002 (D) SECONDARY
- TRAFFIC SIGNAL EQUIPMENT:**
- POLE (STANDARD HEIGHT)
 - POLE NUMBER
 - PAN / TILT / ZOOM CCTV CAMERA
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
- GENERAL:**
- SITE BOUNDARY LINE
 - TEMPORARY LAND ACQUISITION



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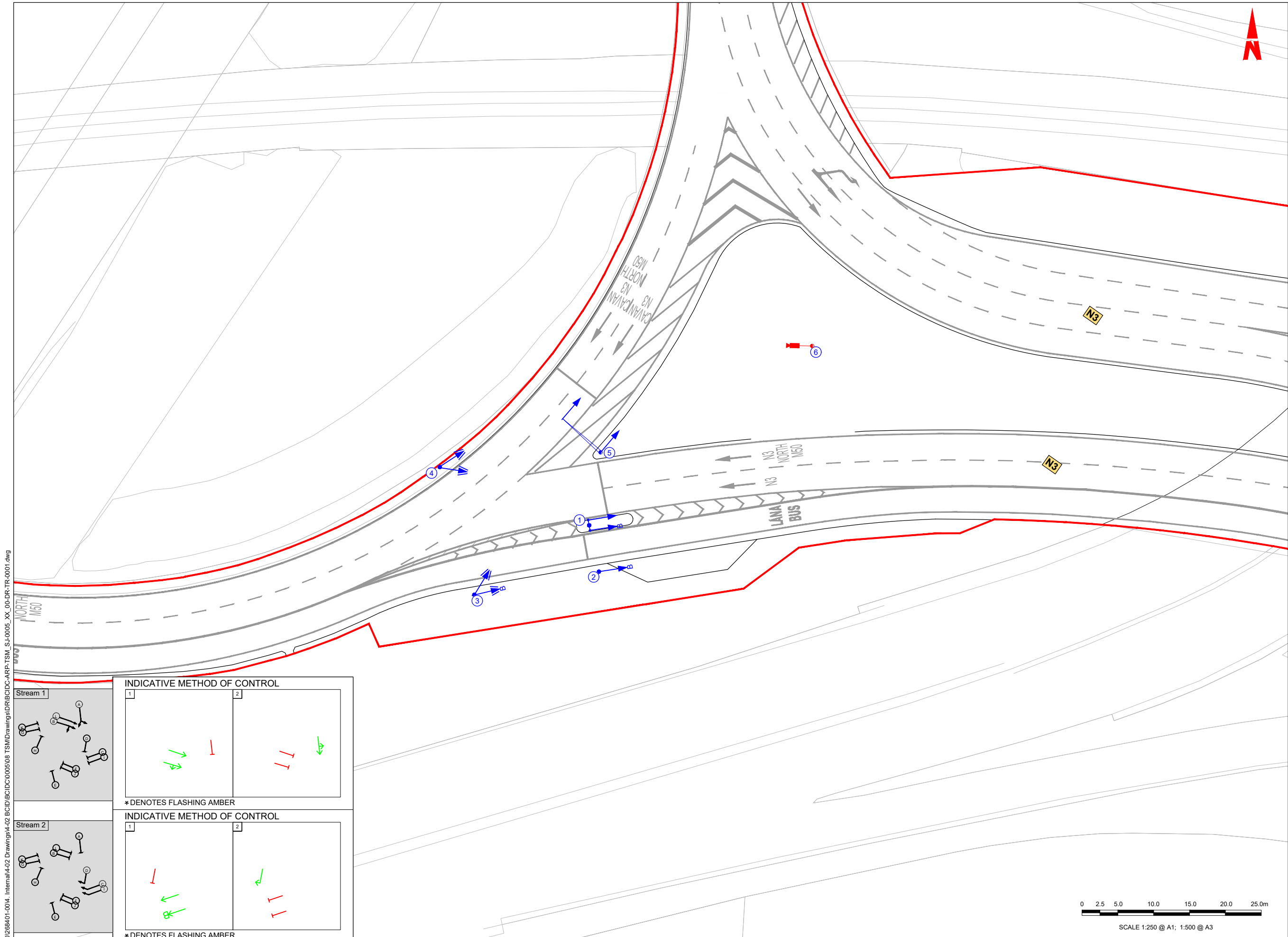
Rev	Date	Drn	Chk'd	App'd	Description
M01	04/04/2022	GMcT	GE	BD	ISSUE FOR PHASE 4: PLANNING

Client

Engineering Designer

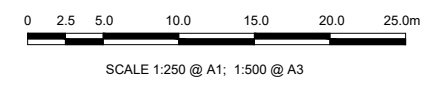
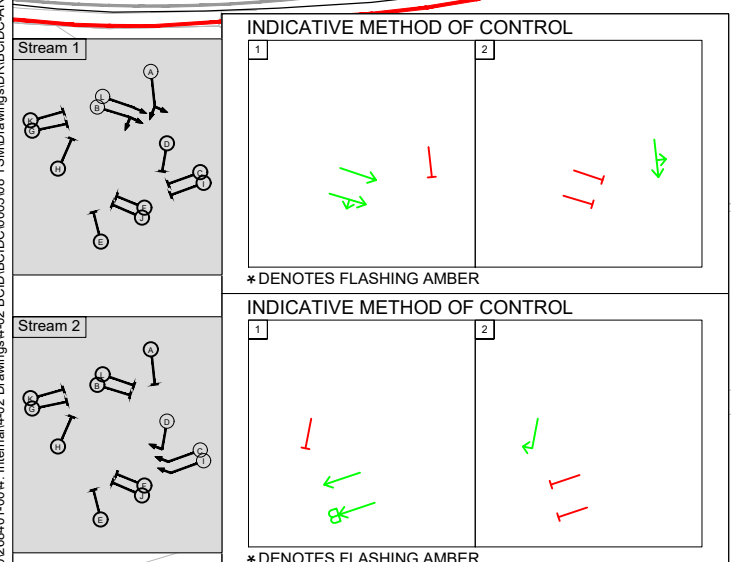
Programme Title		BUSCONNECTS DUBLIN	
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Drawing Title		BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME	
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		NAVAN ROAD / M50 JUNCTION 6	
Drawing File Name	Sheet Number	Status	Rev
BCIDC-ARP-TSM_SJ-0005_XX_00-DR-TR-0017	17 of 47	A	M01

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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 001 PRIMARY
 - RTS 001 SECONDARY
 - RTS 002 (D) PRIMARY
 - RTS 002 (D) SECONDARY
- TRAFFIC SIGNAL EQUIPMENT:**
- POLE (STANDARD HEIGHT)
 - POLE NUMBER
 - MAST ARM (VARIABLE LENGTH)
 - TALL POLE (TRAFFIC SIGNALS)
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
 - PAN / TILT / ZOOM CCTV CAMERA
- GENERAL:**
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 - TEMPORARY LAND ACQUISITION

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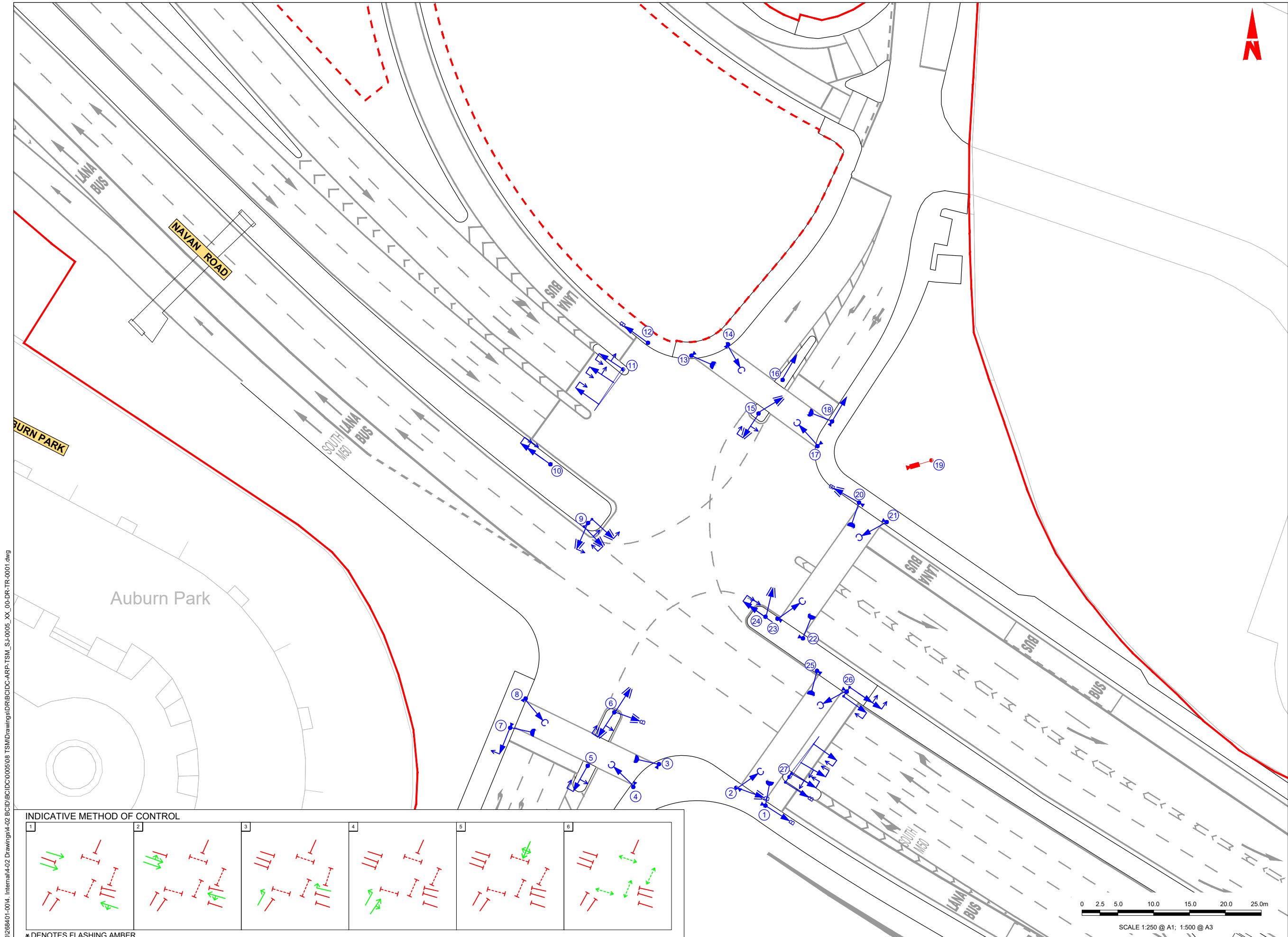
Rev	Date	Drn	Chk'd	App'd	Description
M01	04/04/2022	GMcT	GE	BD	ISSUE FOR PHASE 4: PLANNING

Client

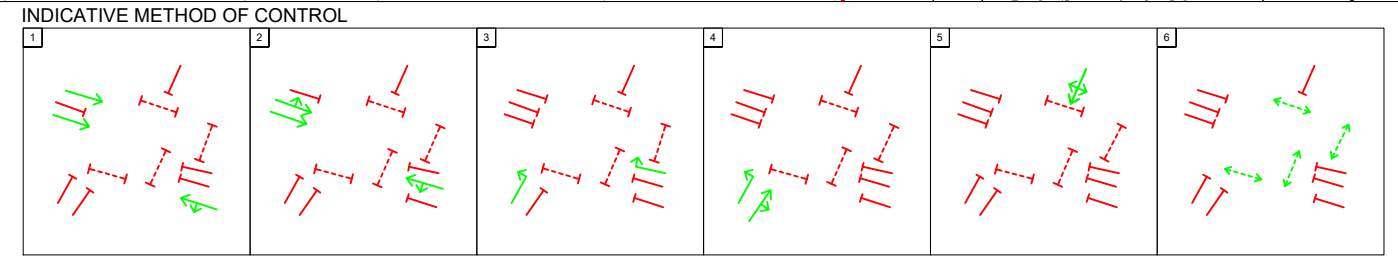
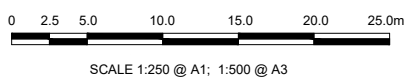
Engineering Designer

Programme Title		BUSCONNECTS DUBLIN		
		CORE BUS CORRIDORS INFRASTRUCTURE WORKS		
Drawing Title		BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME		
		JUNCTION SYSTEMS DESIGN		
		NAVAN ROAD / M50 JUNCTION 6		
Drawing File Name	Sheet Number	Status	Rev	
BCIDC-ARP-TSM_SJ-0005_XX_00-DR-TR-0018	18 of 47	A	M01	

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



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Rev	Date	Drn	Chk'd	App'd	Description
M01	04/04/2022	GMcT	GE	BD	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **ARUP**

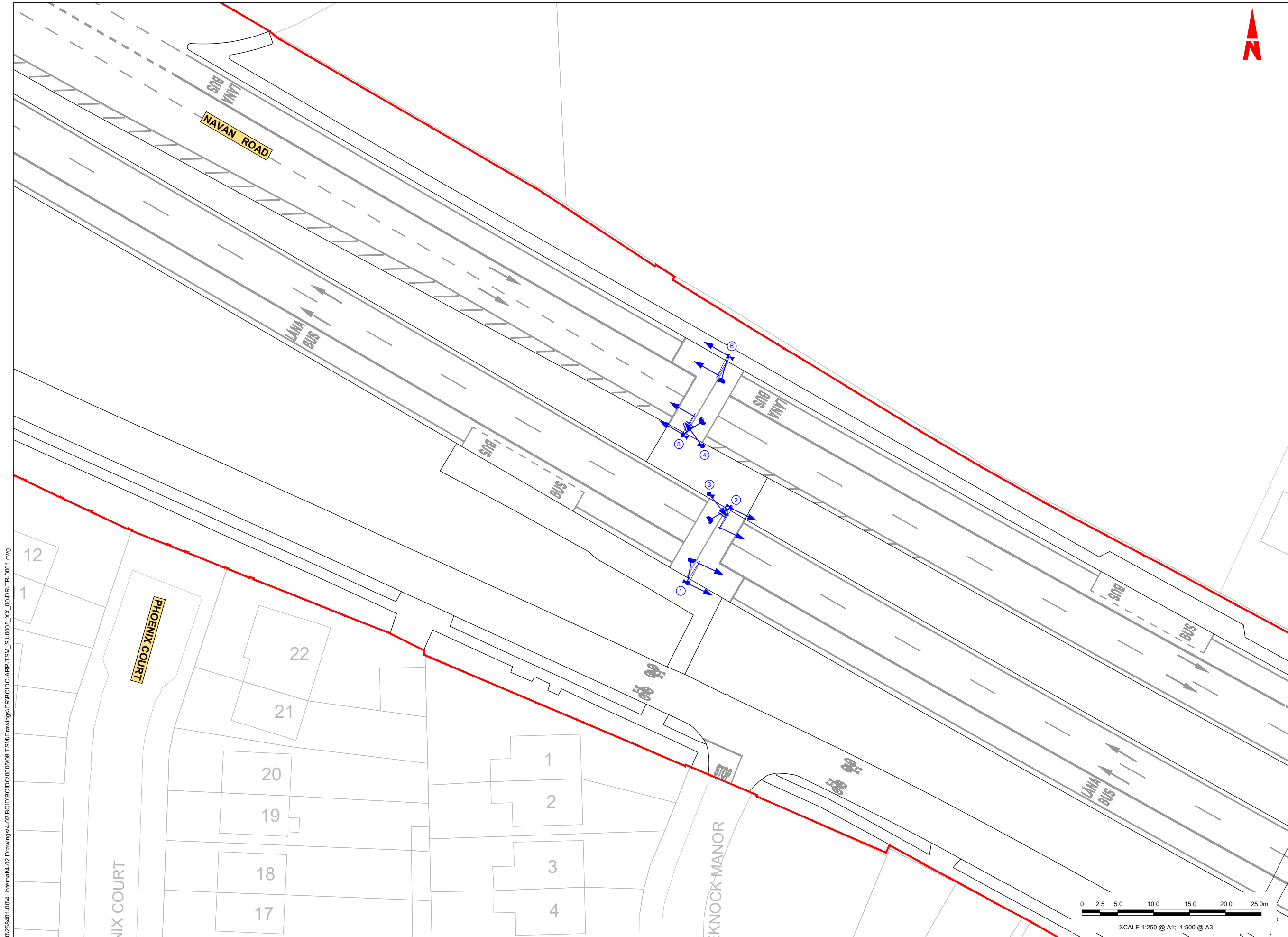
Date: 04/04/2022 | Scale: 1:250 @ A1, 1:500 @ A3 | Drawn: GMcT | Checked: GE | Approved: BD

Project Code: BCIDC | Originator Code: ARP | OMS Code: 268401-00

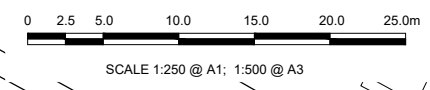
Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN NAVAN ROAD / AUBURN AVENUE			
Drawing File Name: BCIDC-ARP-TSM_SJ-0005_XX_00-DR-TR-0019	Sheet Number: 19 of 47	Status: A	Rev: M01

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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 001 PRIMARY
 - RTS 001 SECONDARY
 - RPC 004 PEDESTRIAN HEAD
- TRAFFIC SIGNAL EQUIPMENT:**
- POLE (STANDARD HEIGHT)
 - ↗ MAST ARM (VARIABLE LENGTH)
 - TALL POLE (TRAFFIC SIGNALS)
 - PUSH BUTTON UNIT
 - ⊗ POLE NUMBER
- GENERAL:**
- SITE BOUNDARY LINE
 - - - - TEMPORARY LAND ACQUISITION



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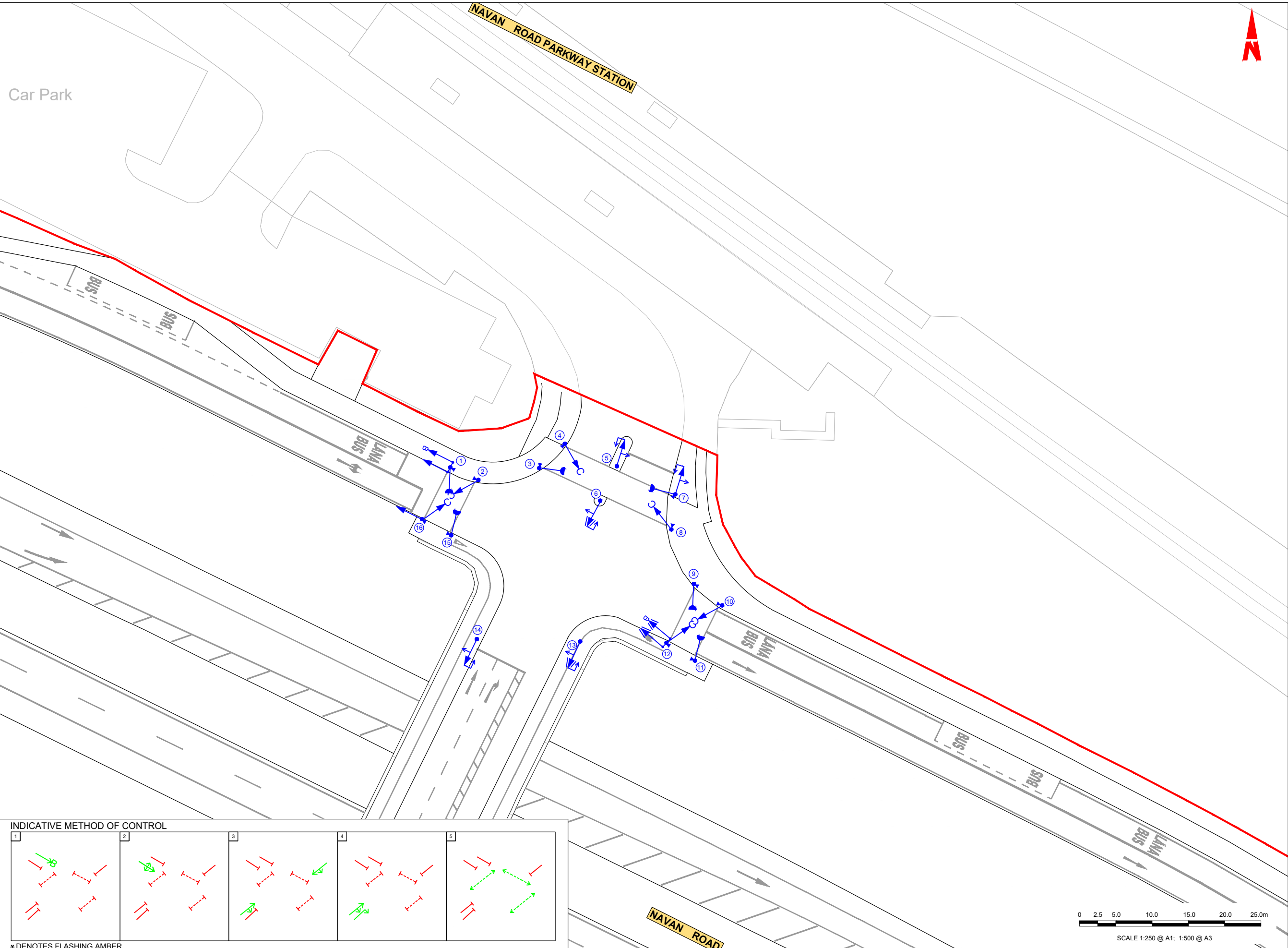
Rev	Date	Drn	Chk'd	App'd	Description
M01	04/04/2022	GMcT	GE	BD	ISSUE FOR PHASE 4: PLANNING

Client

Engineering Designer

Programme Title		BUSCONNECTS DUBLIN		
		CORE BUS CORRIDORS INFRASTRUCTURE WORKS		
Drawing Title		BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME		
		JUNCTION SYSTEMS DESIGN		
		NAVAN ROAD (CASTLEKNOCK MANOR) PEDESTRIAN CROSSING		
Drawing File Name	Sheet Number	Status	Rev	
BCIDC-ARP-TSM_SJ-0005_XX_00-DR-TR-0020	20 of 47	A	M01	

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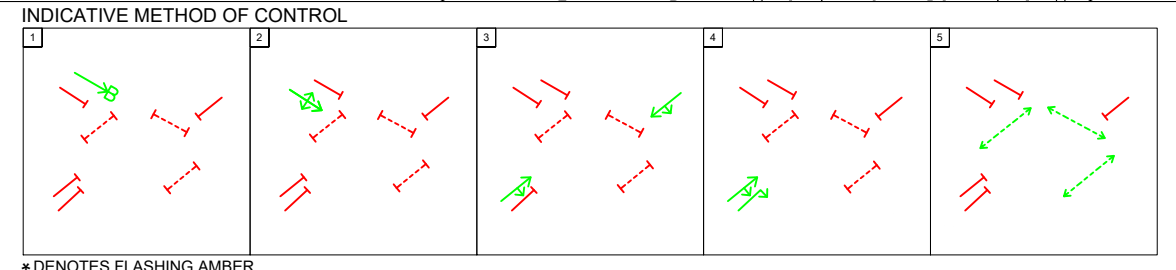
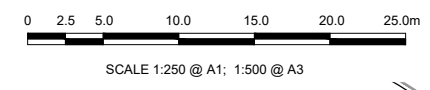
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- TRAFFIC SIGNAL HEADS:**
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 - RTS 001 SECONDARY
 - RTS 002 (D) PRIMARY
 - RTS 002 (D) SECONDARY
 - RTS 003 (J) PRIMARY
 - RTS 003 (J) SECONDARY
 - RTS 007 (HIGH LEVEL) PRIMARY
- TRAFFIC SIGNAL EQUIPMENT:**
- PUSH BUTTON UNIT
 - POLE (STANDARD HEIGHT)
 - POLE NUMBER
- GENERAL:**
- SITE BOUNDARY LINE
 - TEMPORARY LAND ACQUISITION



Car Park

NAVAN ROAD PARKWAY STATION

NAVAN ROAD



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Rev	Date	Drn	Chk'd	App'd	Description
M01	04/04/2022	GMcT	GE	BD	ISSUE FOR PHASE 4: PLANNING

Client

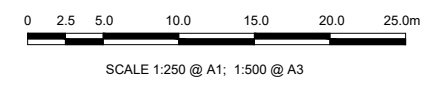
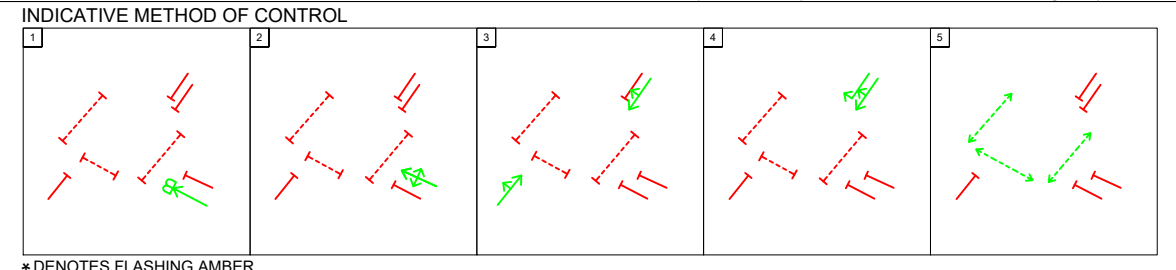
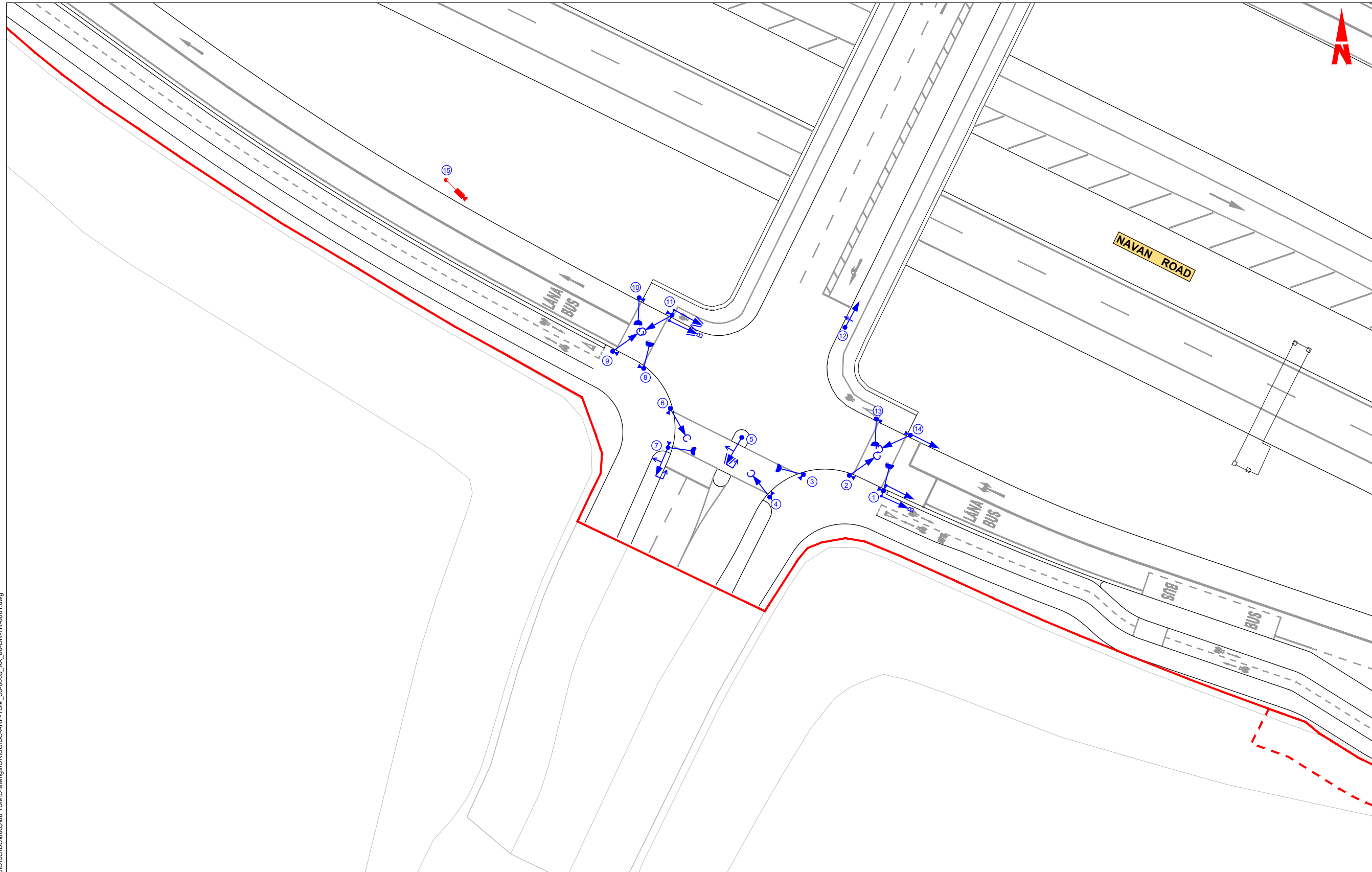
Engineering Designer

Programme Title		BUSCONNECTS DUBLIN		
		CORE BUS CORRIDORS INFRASTRUCTURE WORKS		
Drawing Title		BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME		
		JUNCTION SYSTEMS DESIGN		
		R147 EASTBOUND OFF-SLIP / PARKWAY BRIDGE		
Drawing File Name	Sheet Number	Status	Rev	
BCIDC-ARP-TSM_SJ-0005_XX_00-DR-TR-0021	21 of 47	A	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 (A) PRIMARY
 - RTS 003 (A) SECONDARY
 - RTS 003 (J) PRIMARY
 - RTS 003 (J) SECONDARY
 - RPC 004 PEDESTRIAN HEAD
 - RTS 007 (HIGH LEVEL) PRIMARY
- TRAFFIC SIGNAL EQUIPMENT:**
- PUSH BUTTON UNIT
 - POLE (STANDARD HEIGHT)
 - POLE NUMBER
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
 - 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	04/04/2022	GMcT	GE	BD	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **ARUP**

Date: 04/04/2022 | Scale: 1:250 @ A1, 1:500 @ A3 | Drawn: GMcT | Checked: GE | Approved: BD

Project Code: BCIDC | Originator Code: ARP | OMS Code: 268401-00

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN R147 WESTBOUND OFF-SLIP / PARKWAY BRIDGE			
Drawing File Name: BCIDC-ARP-TSM_SJ-0005_XX_00-DR-TR-0022	Sheet Number: 22 of 47	Status: A	Rev: M01

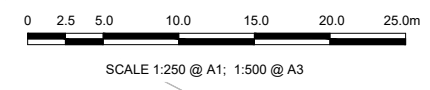
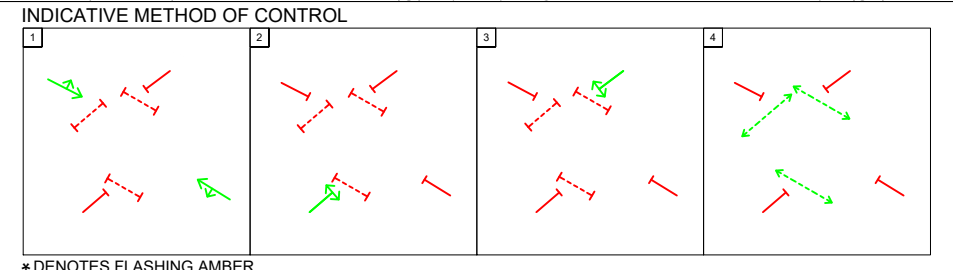
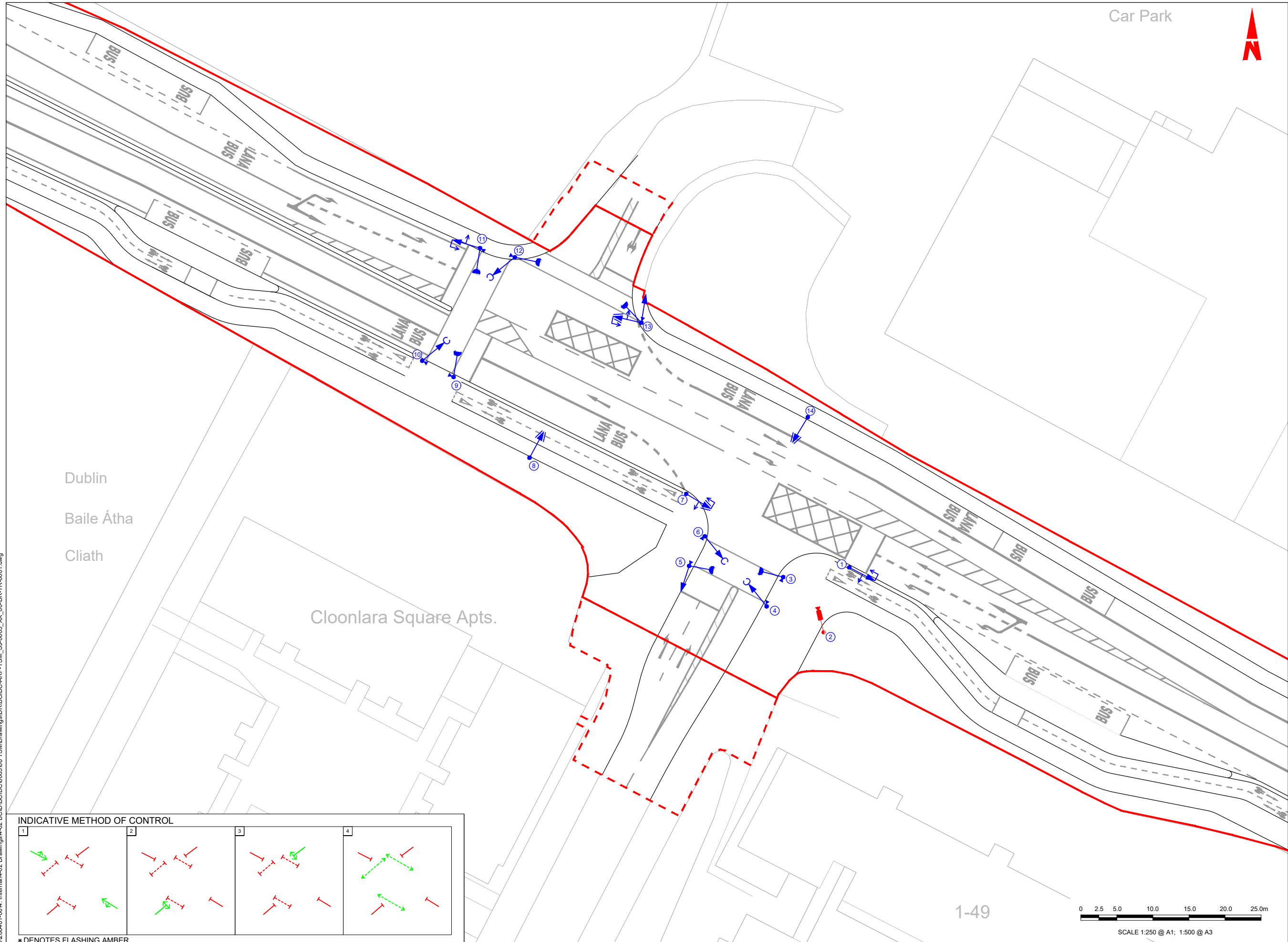
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Car Park



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



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M01	04/04/2022	GMcT	GE	BD	ISSUE FOR PHASE 4: PLANNING

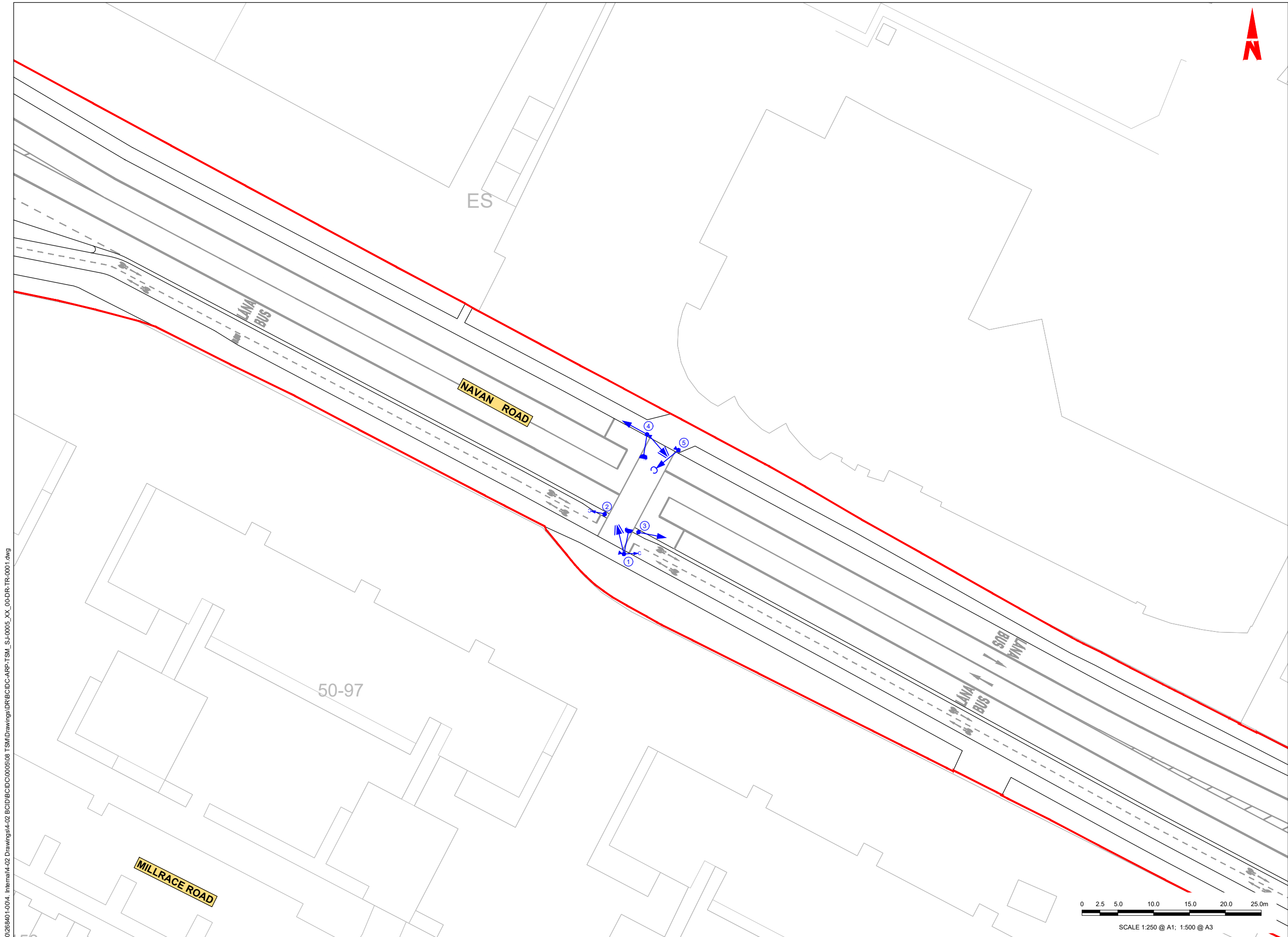
Client

Engineering Designer

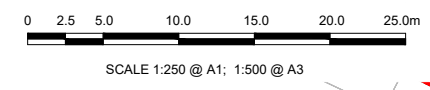
Programme Title		BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS		
Drawing Title		BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN NAVAN ROAD / PHOENIX PARK AVENUE		
Drawing File Name	Sheet Number	Status	Rev	
BCIDC-ARP-TSM_SJ-0005_XX_00-DR-TR-0023	23 of 47	A	M01	

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



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M01	04/04/2022	GMcT	GE	BD	ISSUE FOR PHASE 4: PLANNING

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

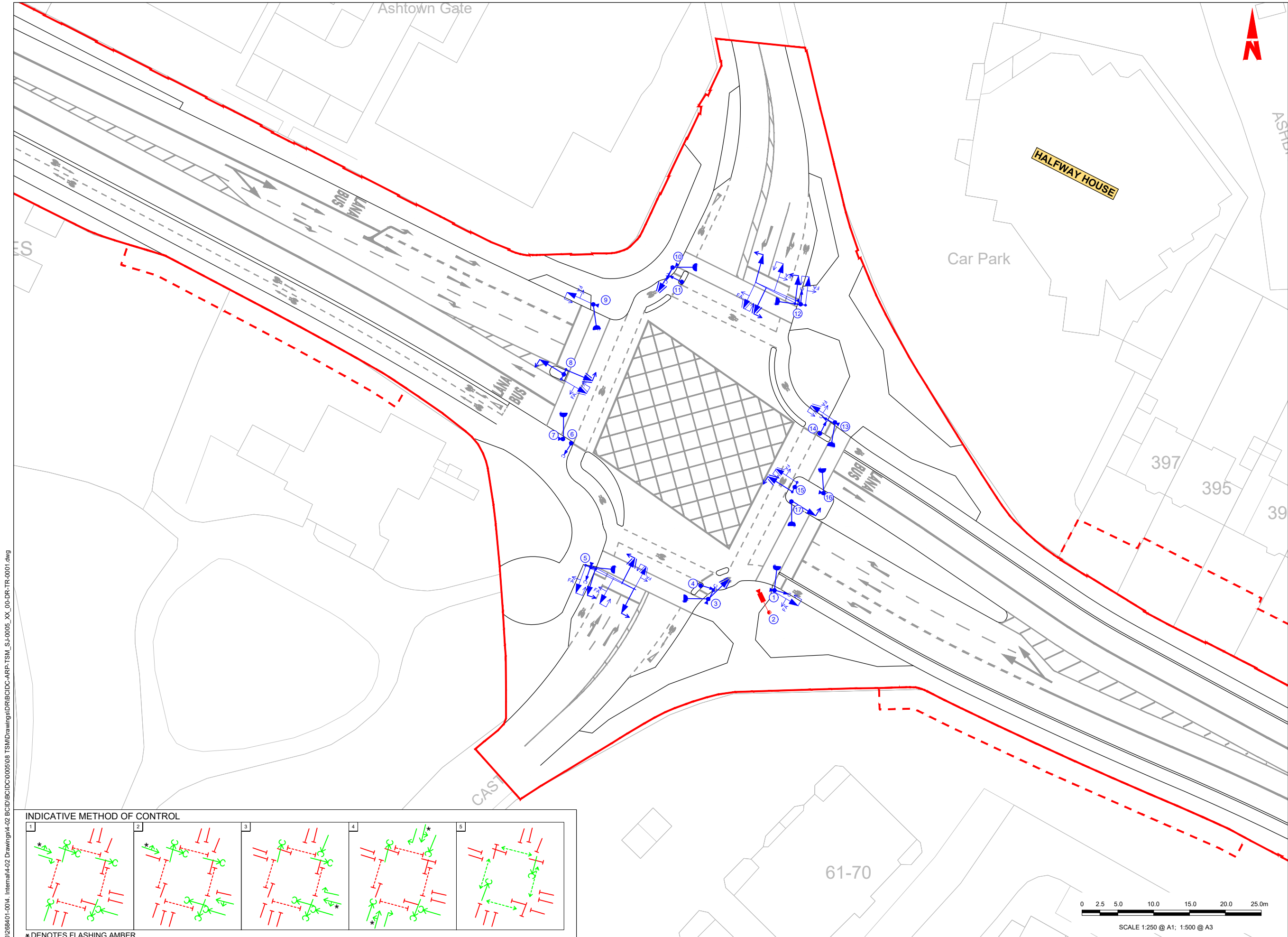
Engineering Designer: **ARUP**

Date: 04/04/2022 | Scale: 1:250 @ A1, 1:500 @ A3 | Drawn: GMcT | Checked: GE | Approved: BD

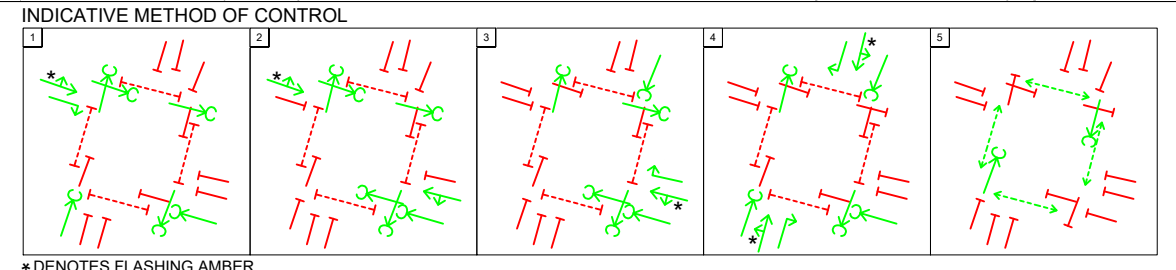
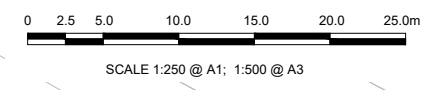
Project Code: BCIDC | Originator Code: ARP | OMS Code: 268401-00

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN NAVAN ROAD (GOWAN MOTORS) PEDESTRIAN CROSSING			
Drawing File Name: BCIDC-ARP-TSM_SJ-0005_XX_00-DR-TR-0024	Sheet Number: 24 of 47	Status: A	Rev: M01

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



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Rev	Date	Drn	Chk'd	App'd	Description
M01	04/04/2022	GMcT	GE	BD	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **ARUP**

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

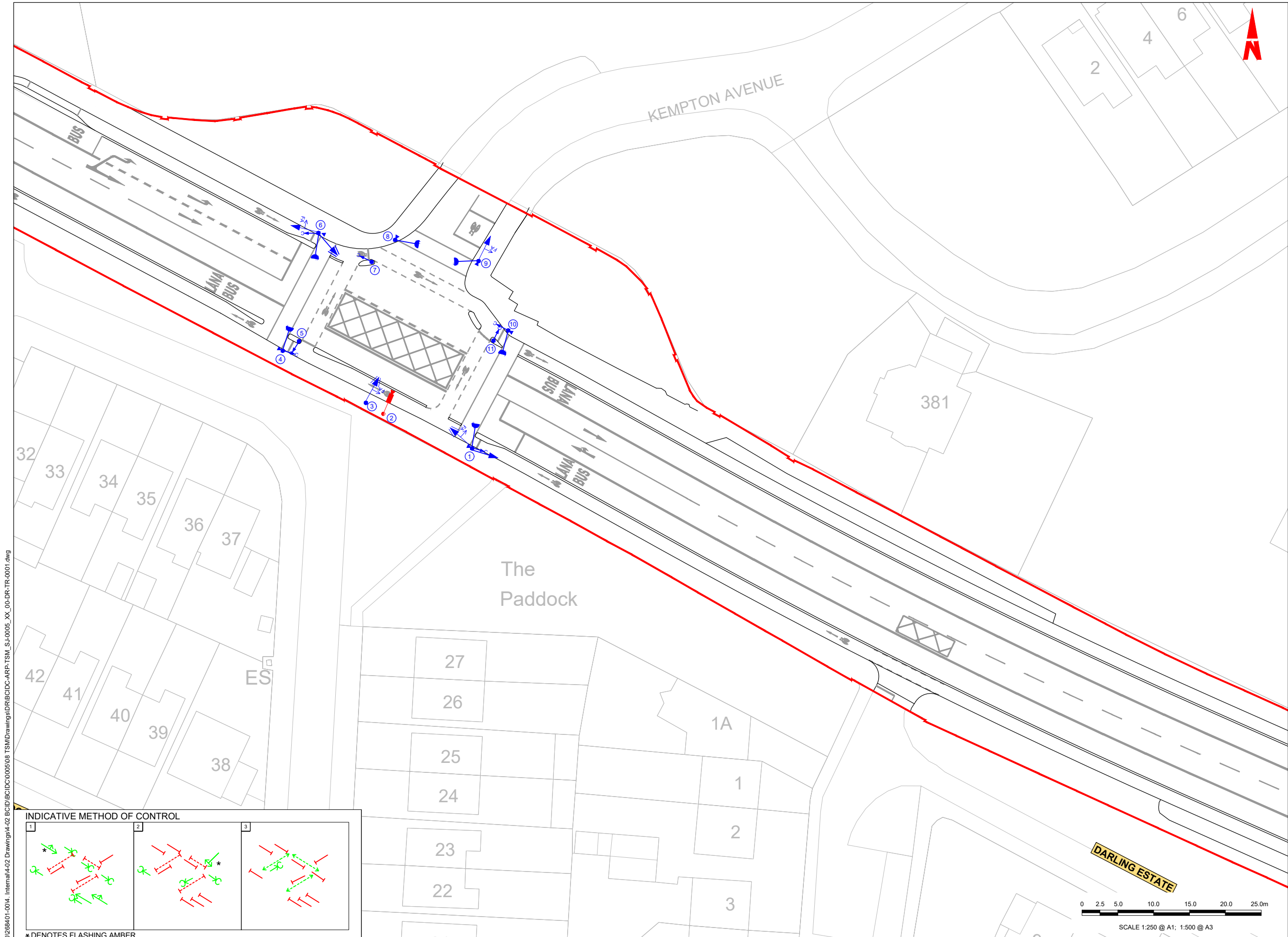
Drawn: GMcT
Checked: GE
Approved: BD

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

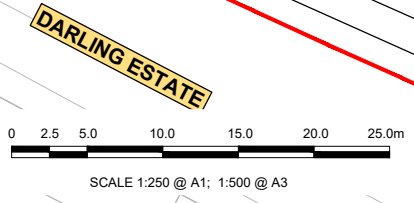
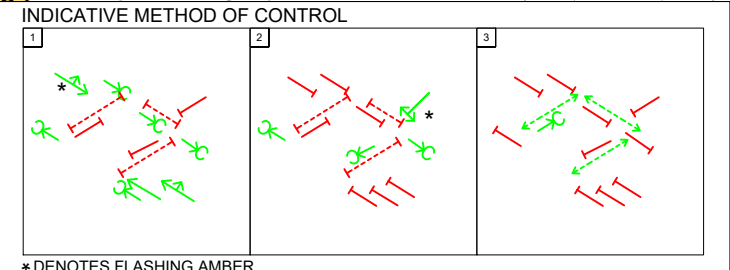
Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN NAVAN ROAD / ASHTOWN ROAD			
Drawing File Name BCIDC-ARP-TSM_SJ-0005_XX_00-DR-TR-0025	Sheet Number 25 of 47	Status A	Rev M01

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



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Rev	Date	Drn	Chk'd	App'd	Description
M01	04/04/2022	GMcT	GE	BD	ISSUE FOR PHASE 4: PLANNING

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

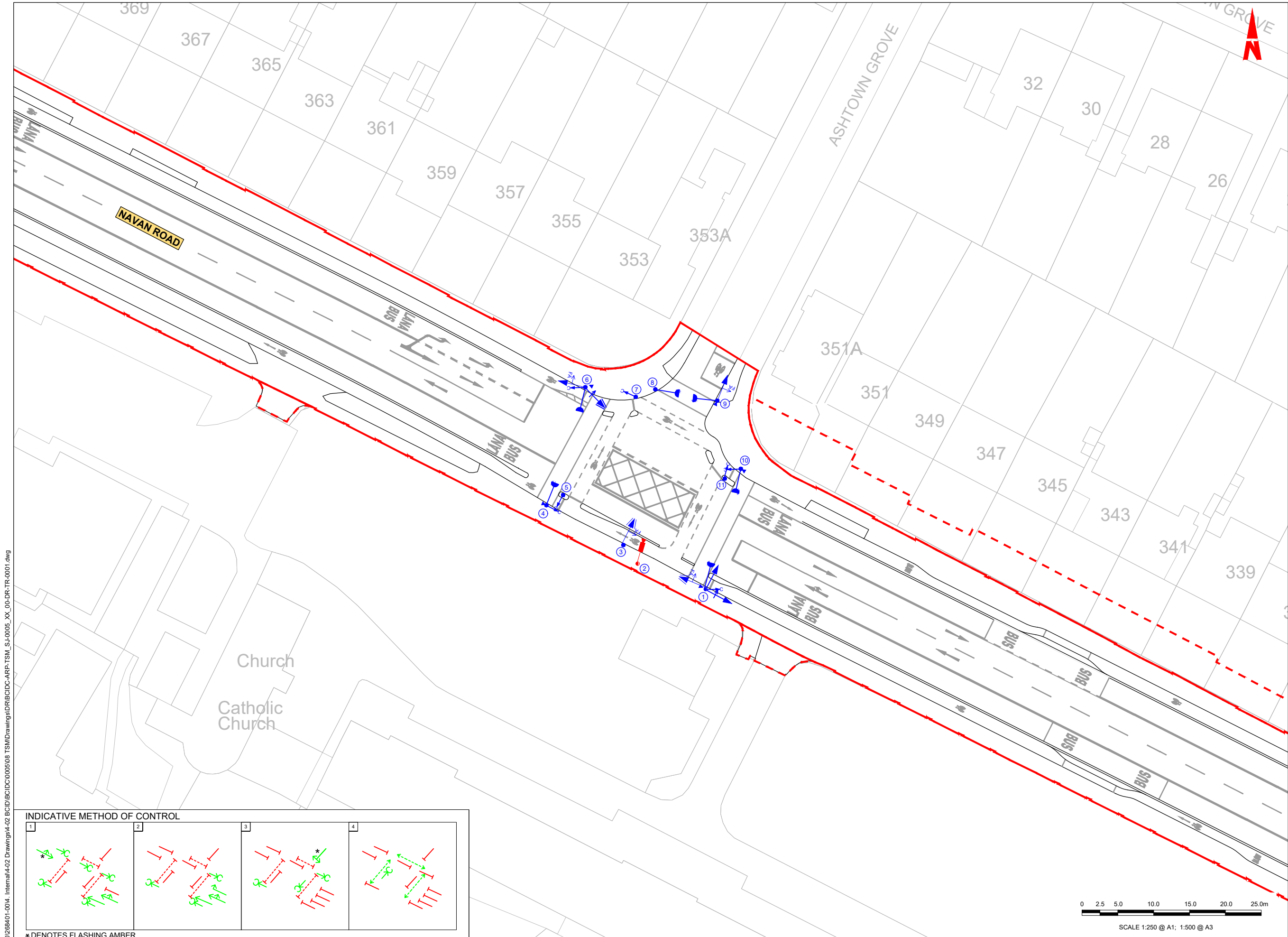
Engineering Designer: **ARUP**

Date: 04/04/2022 | Scale: 1:250 @ A1, 1:500 @ A3 | Drawn: GMcT | Checked: GE | Approved: BD

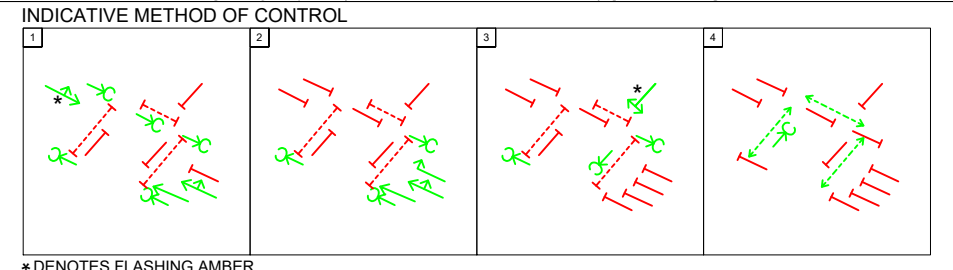
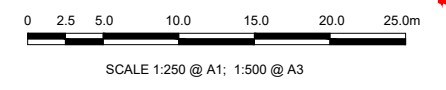
Project Code: BCIDC | Originator Code: ARP | OMS Code: 268401-00

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN NAVAN ROAD / KEMPTON AVENUE			
Drawing File Name: BCIDC-ARP-TSM_SJ-0005_XX_00-DR-TR-0026	Sheet Number: 26 of 47	Status: A	Rev: M01

DO NOT SCALE USE FIGURED DIMENSIONS ONLY



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



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Rev	Date	Drn	Chk'd	App'd	Description
M01	04/04/2022	GMcT	GE	BD	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **ARUP**

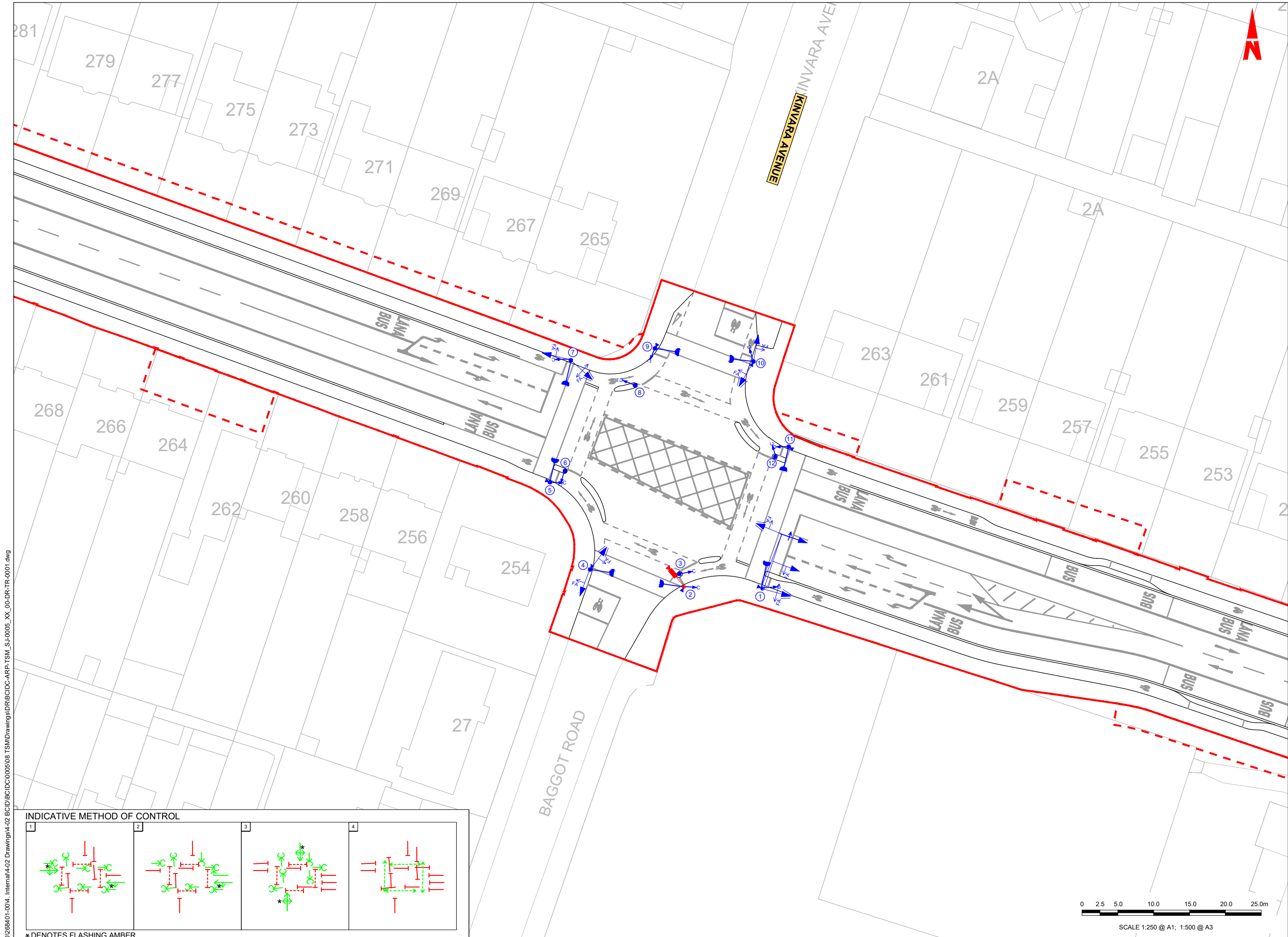
Date: 04/04/2022 | Scale: 1:250 @ A1, 1:500 @ A3 | Drawn: GMcT | Checked: GE | Approved: BD

Project Code: BCIDC | Originator Code: ARP | OMS Code: 268401-00

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN NAVAN ROAD / ASHTOWN GROVE			
Drawing File Name: BCIDC-ARP-TSM_SJ-0005_XX_00-DR-TR-0027	Sheet Number: 27 of 47	Status: A	Rev: M01

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LEGEND:

TRAFFIC SIGNAL HEADS:

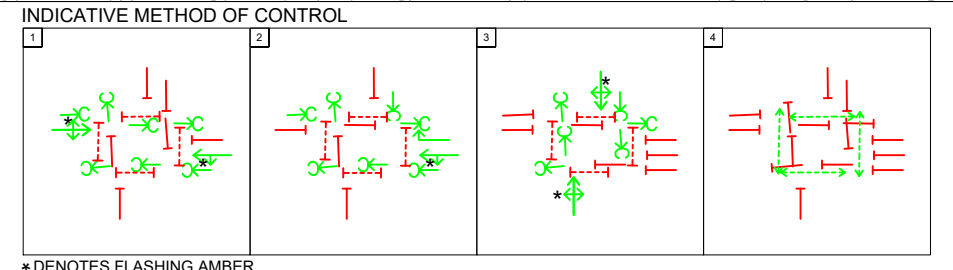
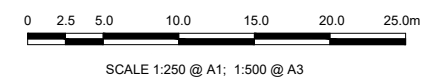
- RTS 004 PRIMARY
- RTS 004 SECONDARY
- RTS 003 (A) PRIMARY
- RTS 004 PRIMARY
- RTS 004 SECONDARY
- RTS 007 (LOW LEVEL) PRIMARY
- RPC 004 PEDESTRIAN HEAD

TRAFFIC SIGNAL EQUIPMENT:

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

GENERAL:

- SITE BOUNDARY LINE
- TEMPORARY LAND ACQUISITION



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Rev	Date	Drn	Chk'd	App'd	Description
M01	04/04/2022	GMcT	GE	BD	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **ARUP**

Date: 04/04/2022 | Scale: 1:250 @ A1, 1:500 @ A3 | Drawn: GMcT | Checked: GE | Approved: BD

Project Code: BCIDC | Originator Code: ARP | OMS Code: 268401-00

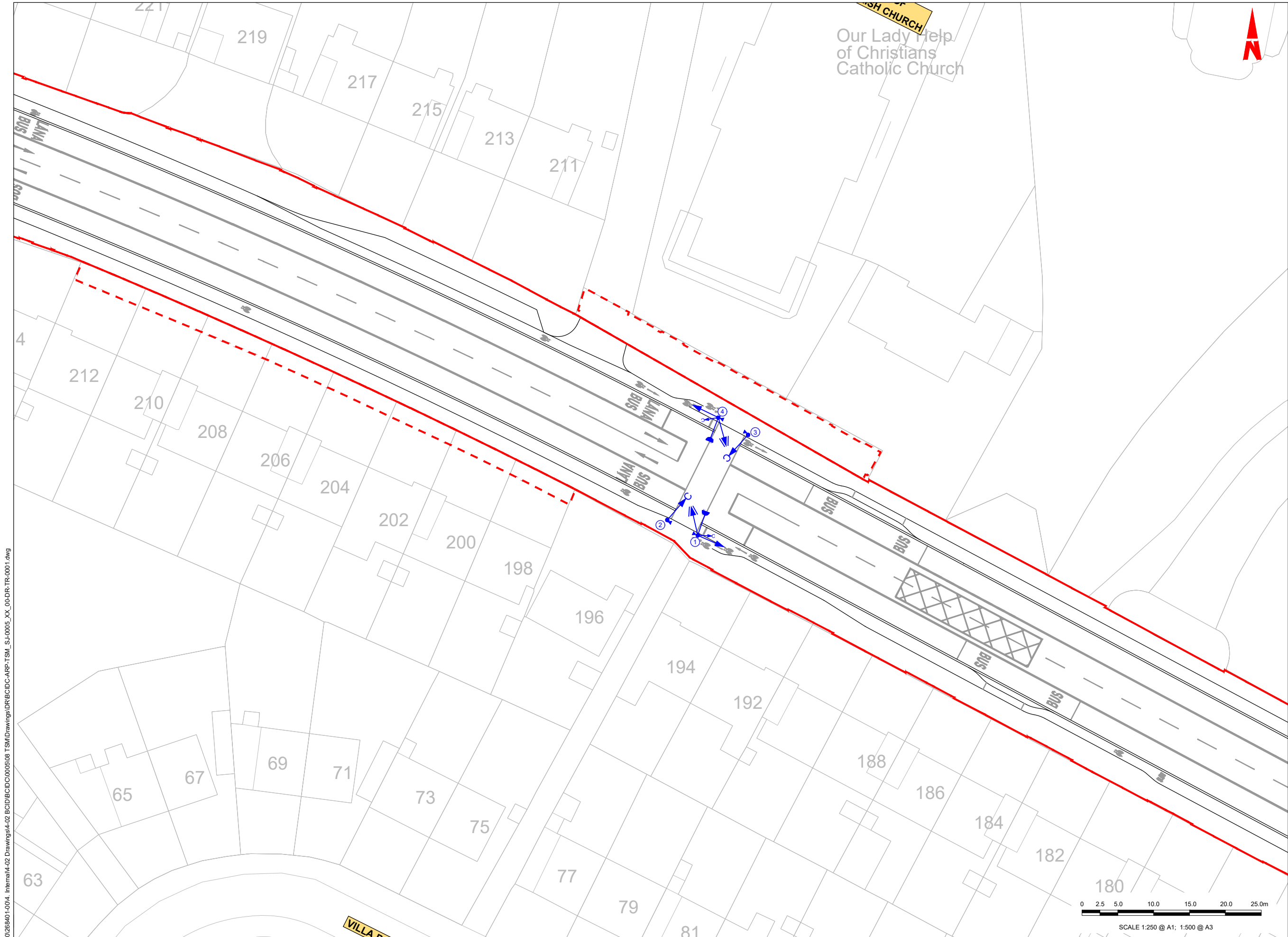
Programme Title: **BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS**

Drawing Title: **BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN NAVAN ROAD / BAGGOT ROAD**

Drawing File Name: BCIDC-ARP-TSM_SJ-0005_XX_00-DR-TR-0028	Sheet Number: 28 of 47	Status: A	Rev: M01
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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
 - RTS 001 PRIMARY
 - RTS 001 SECONDARY
 - RTS 007 (HIGH LEVEL) PRIMARY
 - RTS 007 (LOW LEVEL) PRIMARY
 - RPC 004 PEDESTRIAN HEAD
 - TRAFFIC SIGNAL EQUIPMENT:**
 - PUSH BUTTON UNIT
 - POLE (STANDARD HEIGHT)
 - POLE NUMBER
 - GENERAL:**
 - SITE BOUNDARY LINE
 - TEMPORARY LAND ACQUISITION

\global\europes\dublin\Jobs\268840\000\268840-004_ Internal\4-02 Drawings\4-02 BCID\BCID\0005\08 TSM\Drawings\DRR\BCIDC-ARP-TSM_SJ-0005_XX_00-DR-TR-0001.dwg

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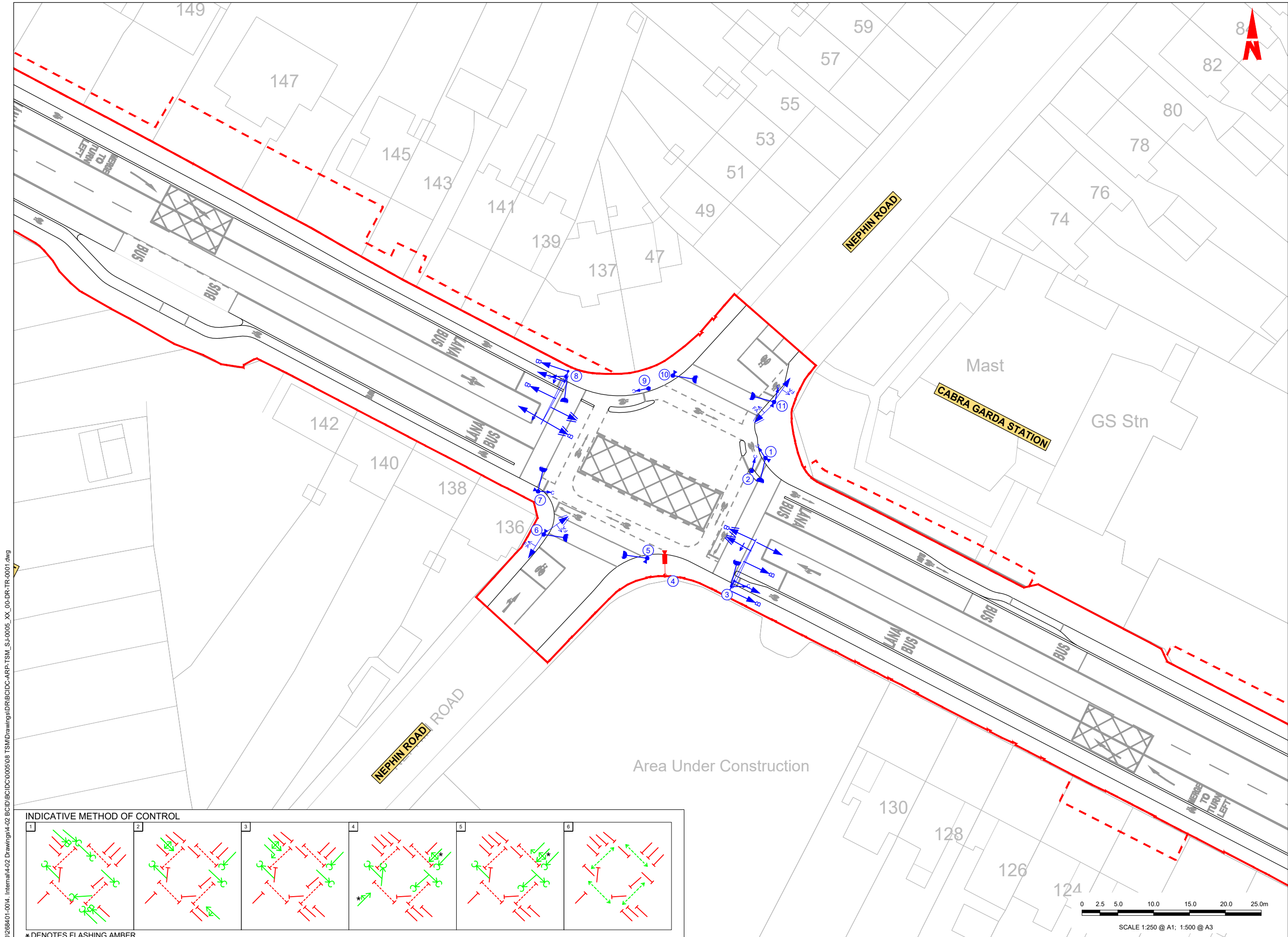
Rev	Date	Drn	Chk'd	App'd	Description
M01	04/04/2022	GMcT	GE	BD	ISSUE FOR PHASE 4: PLANNING

Client

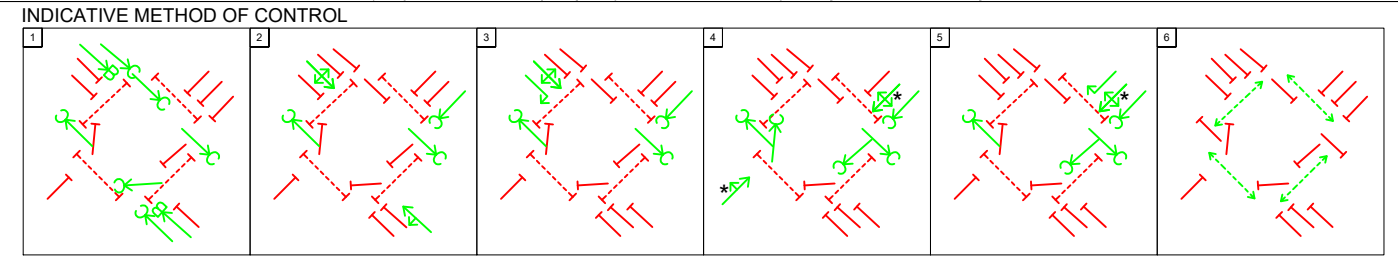
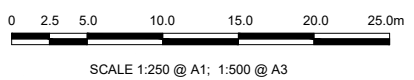
Engineering Designer

Programme Title		BUSCONNECTS DUBLIN			
		CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title		BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME			
		JUNCTION SYSTEMS DESIGN			
		NAVAN ROAD (OUR LADY HELP OF CHRISTIANS CATHOLIC CHURCH) PEDESTRIAN CROSSING			
Drawing File Name	Sheet Number	Status	Rev		
BCIDC-ARP-TSM_SJ-0005_XX_00-DR-TR-0029	29 of 47	A	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 (A) PRIMARY
 - RTS 003 (A) SECONDARY
 - RTS 004 PRIMARY
 - RTS 004 SECONDARY
 - RTS 007 (LOW LEVEL) PRIMARY
 - RPC 004 PEDESTRIAN HEAD
- TRAFFIC SIGNAL EQUIPMENT:**
- PUSH BUTTON UNIT
 - POLE (STANDARD HEIGHT)
 - POLE NUMBER
 - PAN / TILT / ZOOM CCTV CAMERA
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
 - TALL POLE (TRAFFIC SIGNALS)
 - MAST ARM (VARIABLE LENGTH)
- GENERAL:**
- SITE BOUNDARY LINE
 - TEMPORARY LAND ACQUISITION



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Rev	Date	Drn	Chk'd	App'd	Description
M01	04/04/2022	GMcT	GE	BD	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **ARUP**

Date: 04/04/2022 | Scale: 1:250 @ A1, 1:500 @ A3 | Drawn: GMcT | Checked: GE | Approved: BD

Project Code: BCIDC | Originator Code: ARP | OMS Code: 268401-00

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN NAVAN ROAD / NEPHIN ROAD			
Drawing File Name: BCIDC-ARP-TSM_SJ-0005_XX_00-DR-TR-0030	Sheet Number: 30 of 47	Status: A	Rev: M01

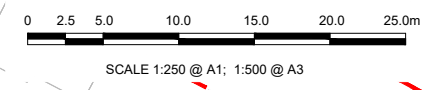
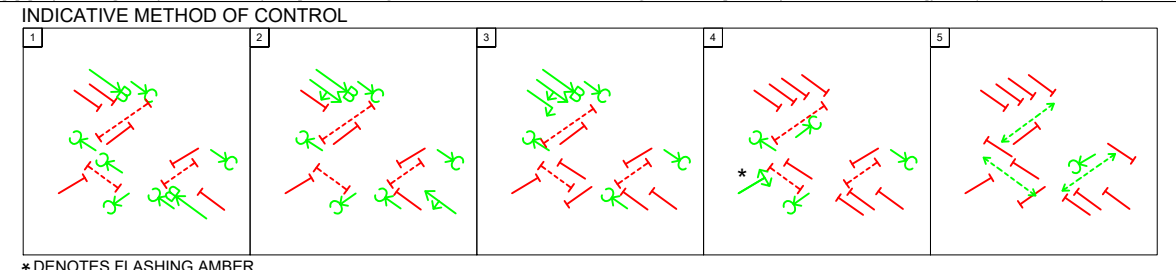
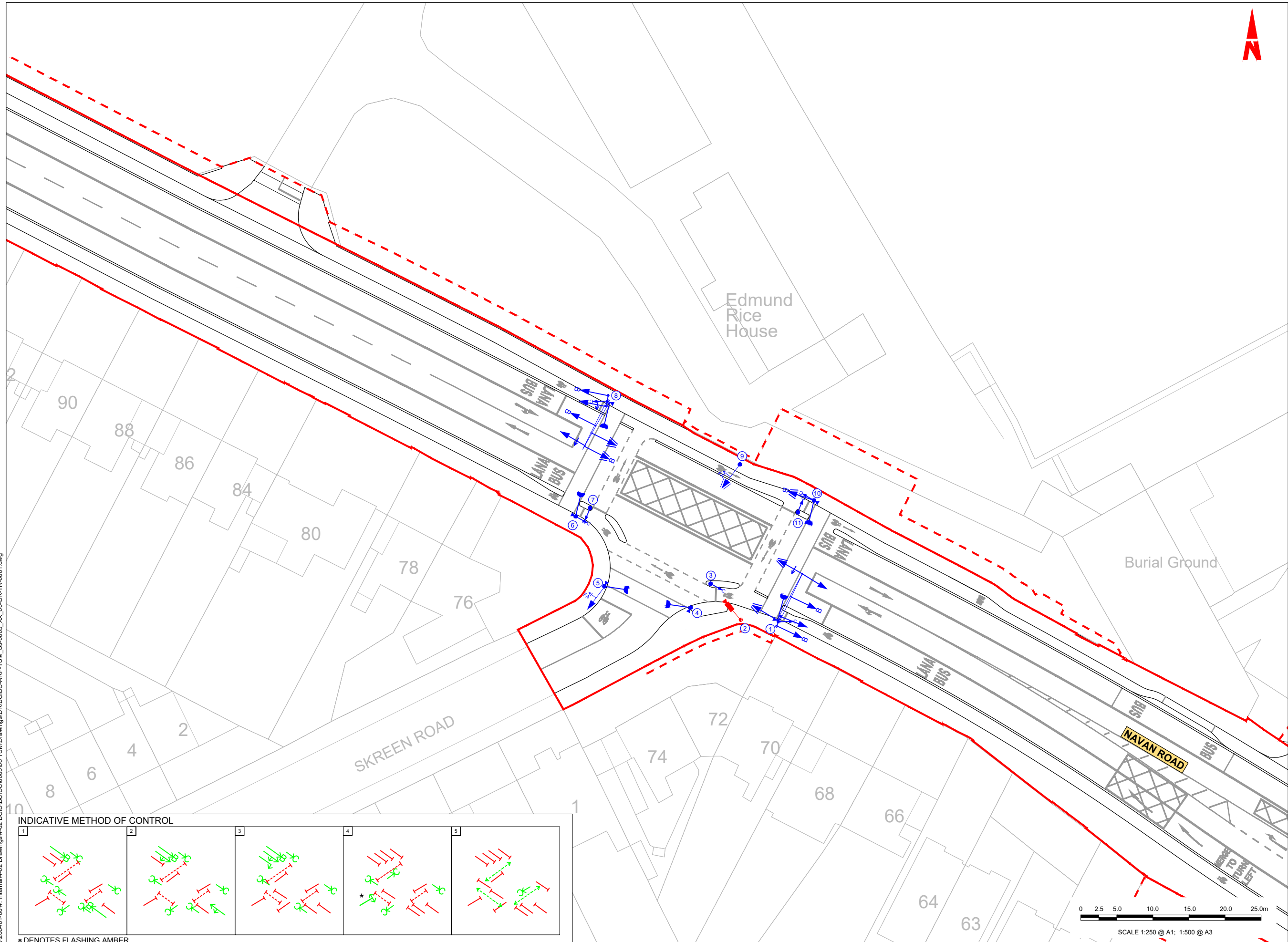
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LEGEND:

- TRAFFIC SIGNAL HEADS:**
- RTS 001 PRIMARY
 - RTS 001 SECONDARY
 - RTS 002 (D) PRIMARY
 - RTS 002 (D) SECONDARY
 - RTS 003 (A) PRIMARY
 - RTS 003 (A) SECONDARY
 - RTS 004 PRIMARY
 - RTS 004 SECONDARY
 - RTS 007 (LOW LEVEL) PRIMARY
 - RPC 004 PEDESTRIAN HEAD
- TRAFFIC SIGNAL EQUIPMENT:**
- PAN / TILT / ZOOM CCTV CAMERA
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
 - MAST ARM (VARIABLE LENGTH)
 - TALL POLE (TRAFFIC SIGNALS)
 - PUSH BUTTON UNIT
 - POLE (STANDARD HEIGHT)
 - POLE NUMBER
- GENERAL:**
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Rev	Date	Drn	Chk'd	App'd	Description
M01	04/04/2022	GMcT	GE	BD	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **ARUP**

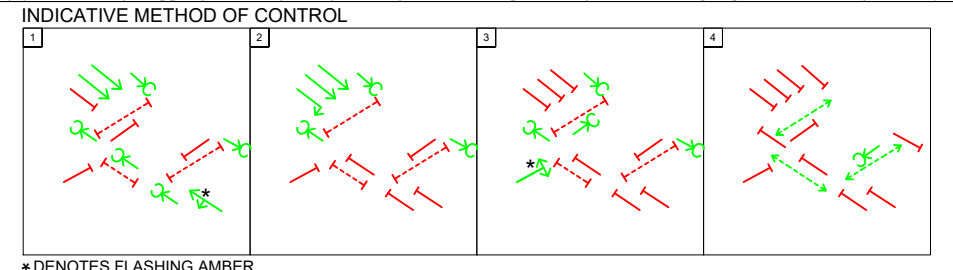
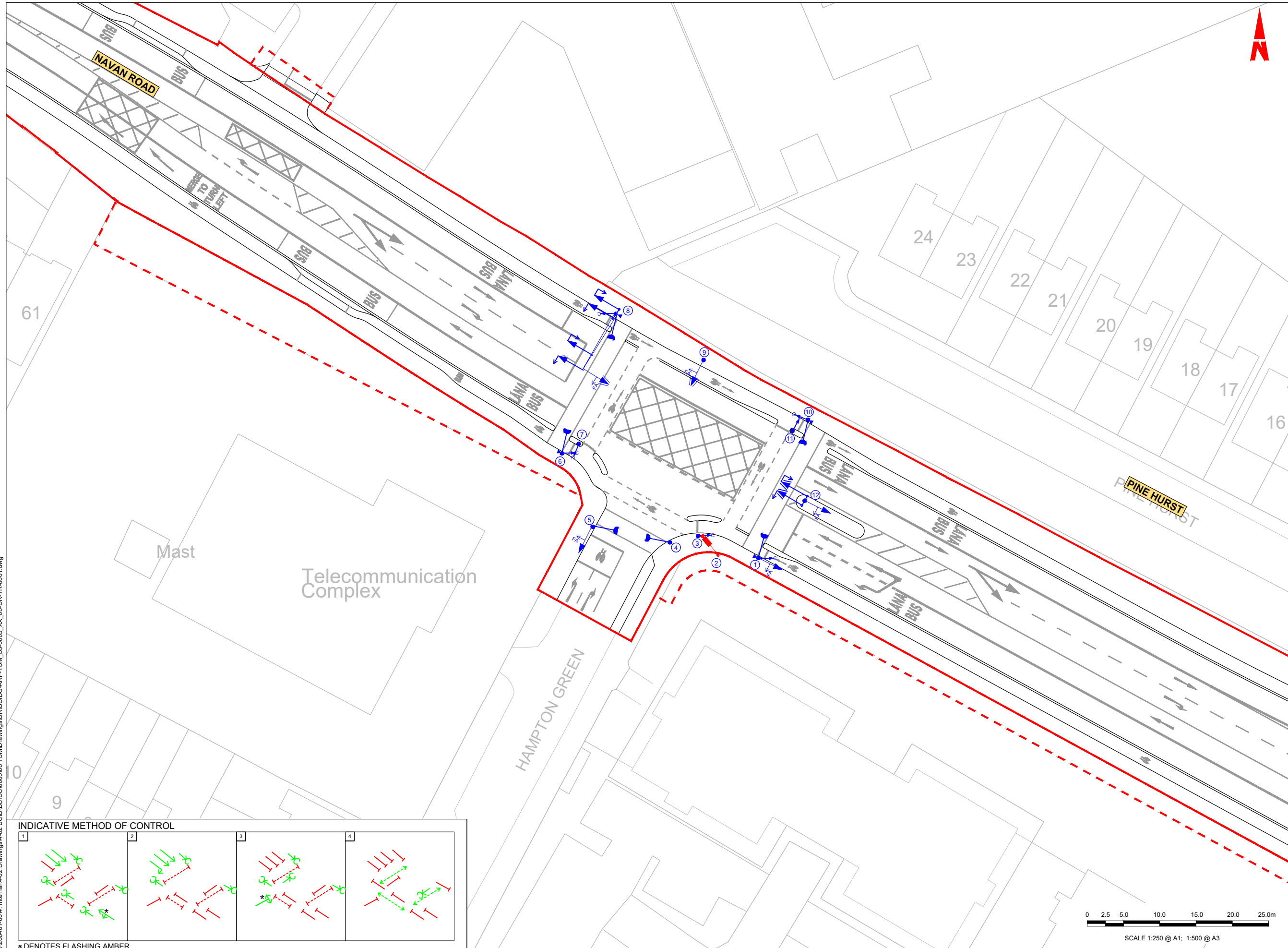
Date: 04/04/2022 | Scale: 1:250 @ A1, 1:500 @ A3 | Drawn: GMcT | Checked: GE | Approved: BD

Project Code: BCIDC | Originator Code: ARP | OMS Code: 268401-00

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN NAVAN ROAD / SKREEN ROAD			
Drawing File Name: BCIDC-ARP-TSM_SJ-0005_XX_00-DR-TR-0031	Sheet Number: 31 of 47	Status: A	Rev: M01

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



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Rev	Date	Drn	Chk'd	App'd	Description
M01	04/04/2022	GMcT	GE	BD	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **ARUP**

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

Project Code: BCIDC | Originator Code: ARP

Drawn: GMcT | Checked: GE | Approved: BD

OMS Code: 268401-00

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

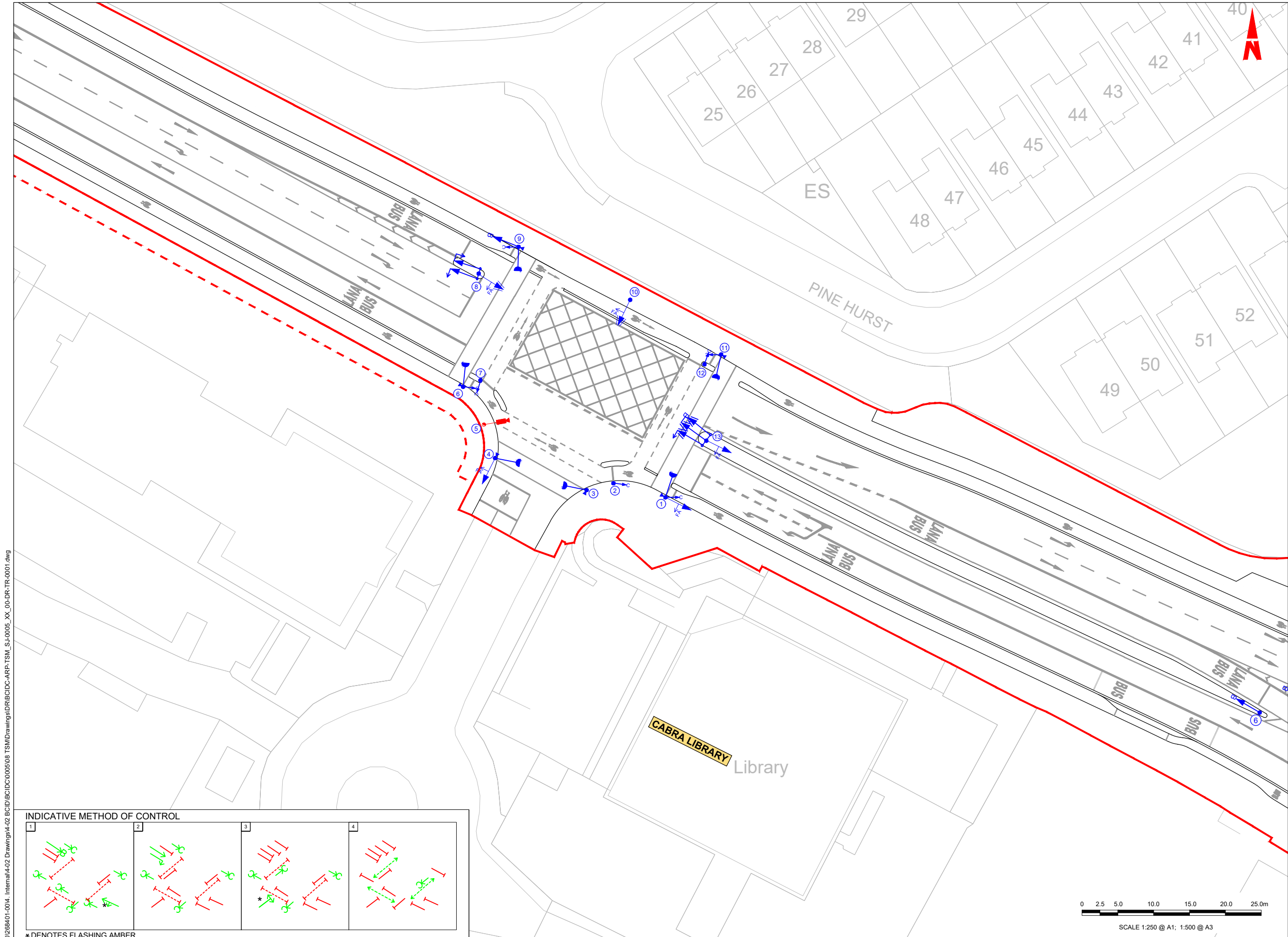
Drawing Title: **BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME**
JUNCTION SYSTEMS DESIGN
NAVAN ROAD / HAMPTON GREEN

Drawing File Name: BCIDC-ARP-TSM_SJ-0005_XX_00-DR-TR-0032

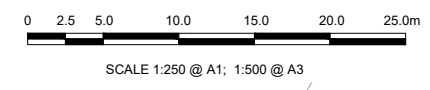
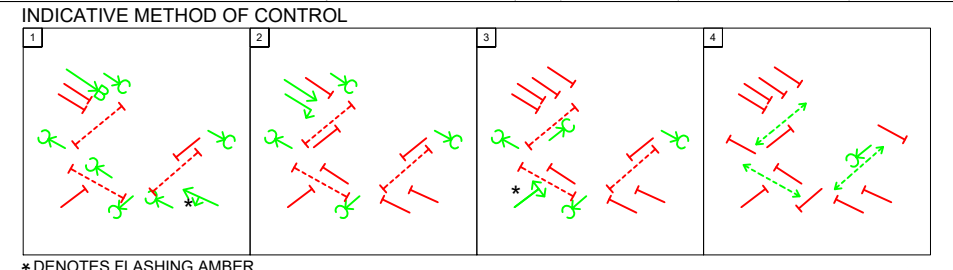
Sheet Number: 32 of 47 | Status: A | Rev: M01

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



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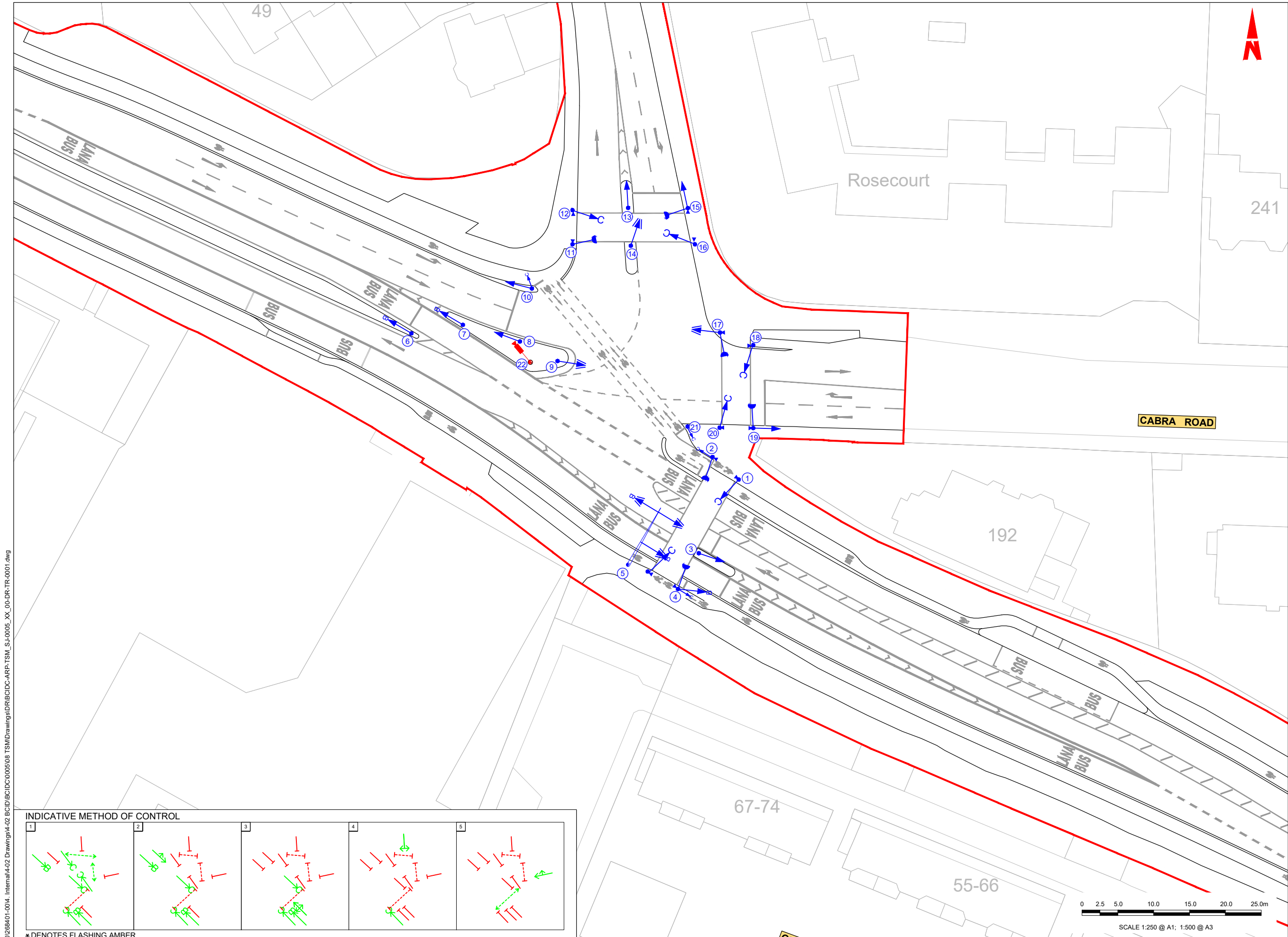
Rev	Date	Drn	Chk'd	App'd	Description
M01	04/04/2022	GMcT	GE	BD	ISSUE FOR PHASE 4: PLANNING

Client

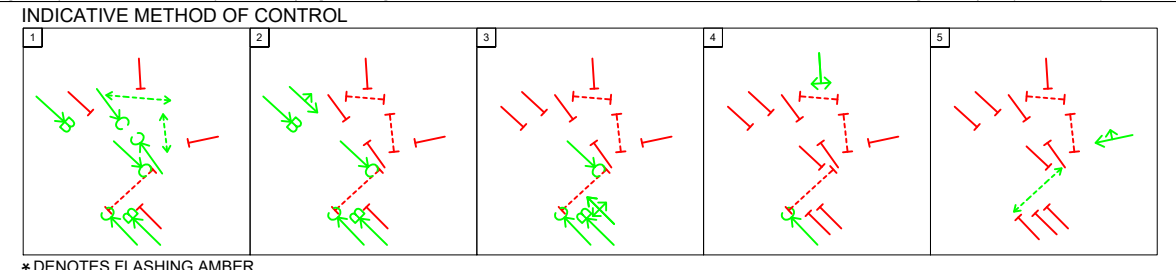
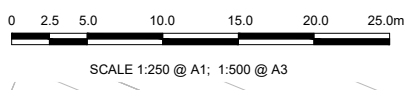
Engineering Designer

Programme Title		BUSCONNECTS DUBLIN		
		CORE BUS CORRIDORS INFRASTRUCTURE WORKS		
Drawing Title		BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME		
		JUNCTION SYSTEMS DESIGN		
		NAVAN ROAD / CABRA LIBRARY		
Drawing File Name	Sheet Number	Status	Rev	
BCIDC-ARP-TSM_SJ-0005_XX_00-DR-TR-0033	33 of 47	A	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 (HIGH LEVEL) PRIMARY
 - RTS 007 (LOW LEVEL) PRIMARY
 - RPC 004 PEDESTRIAN HEAD
- TRAFFIC SIGNAL EQUIPMENT:**
- PAN / TILT / ZOOM CCTV CAMERA
 - MAST ARM (VARIABLE LENGTH)
 - TALL POLE (TRAFFIC SIGNALS)
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
 - PUSH BUTTON UNIT
 - POLE (STANDARD HEIGHT)
 - POLE NUMBER
- GENERAL:**
- SITE BOUNDARY LINE
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Rev	Date	Drn	Chk'd	App'd	Description
M01	04/04/2022	GmCt	GE	BD	ISSUE FOR PHASE 4: PLANNING

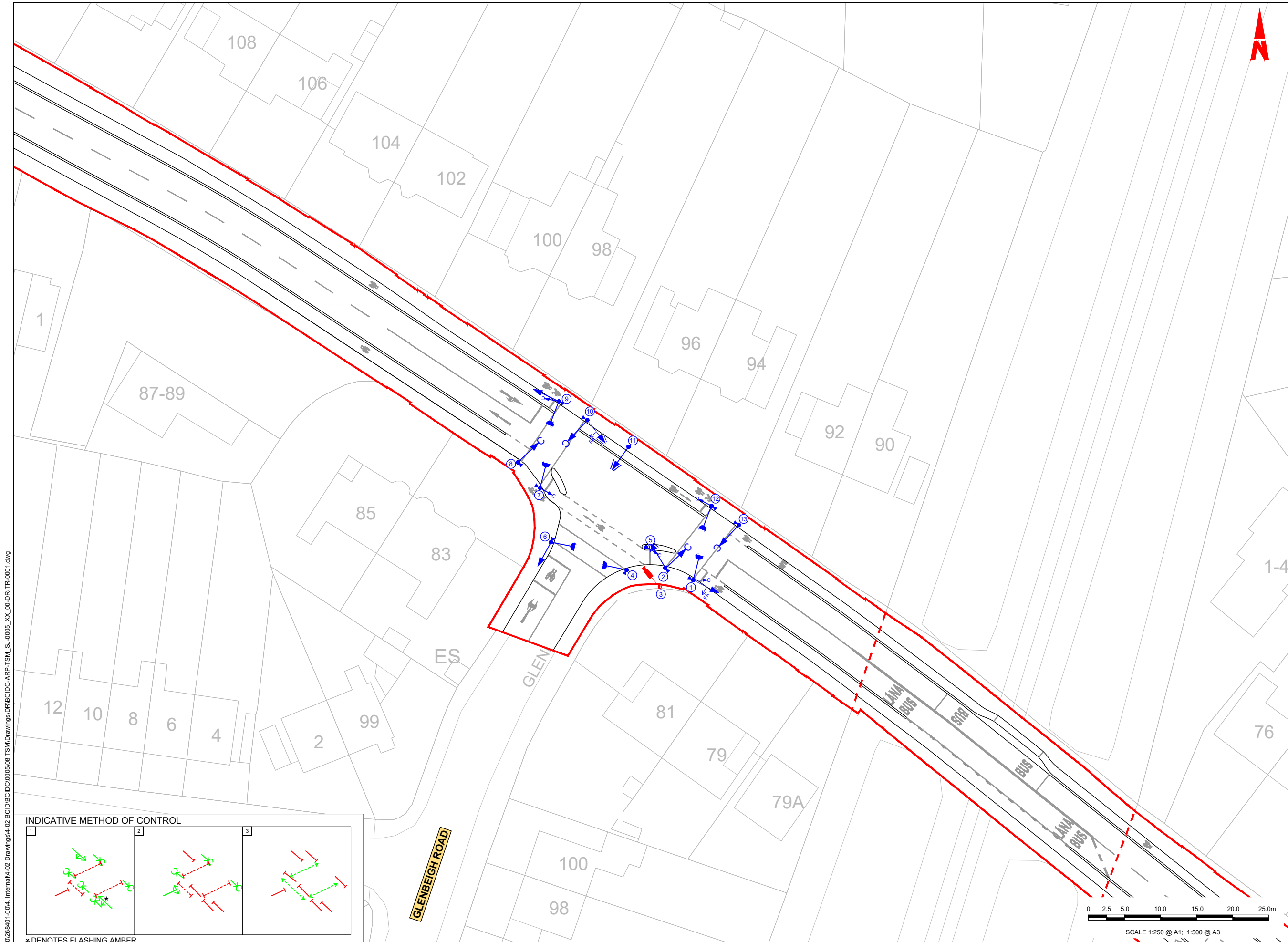
Client

Engineering Designer

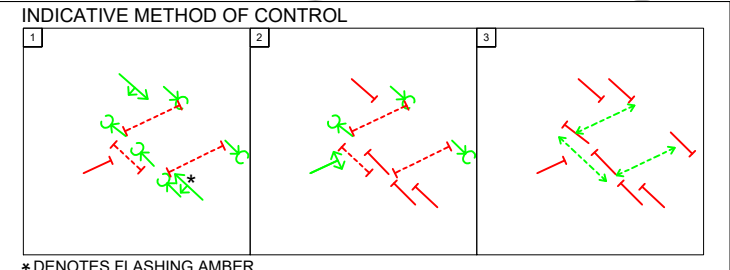
Programme Title		BUSCONNECTS DUBLIN		
		CORE BUS CORRIDORS INFRASTRUCTURE WORKS		
Drawing Title		BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME		
		JUNCTION SYSTEMS DESIGN		
		NAVAN ROAD / OLD CABRA ROAD		
Drawing File Name	Sheet Number	Status	Rev	
BCIDC-ARP-TSM_SJ-0005_XX_00-DR-TR-0034	34 of 47	A	M01	

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



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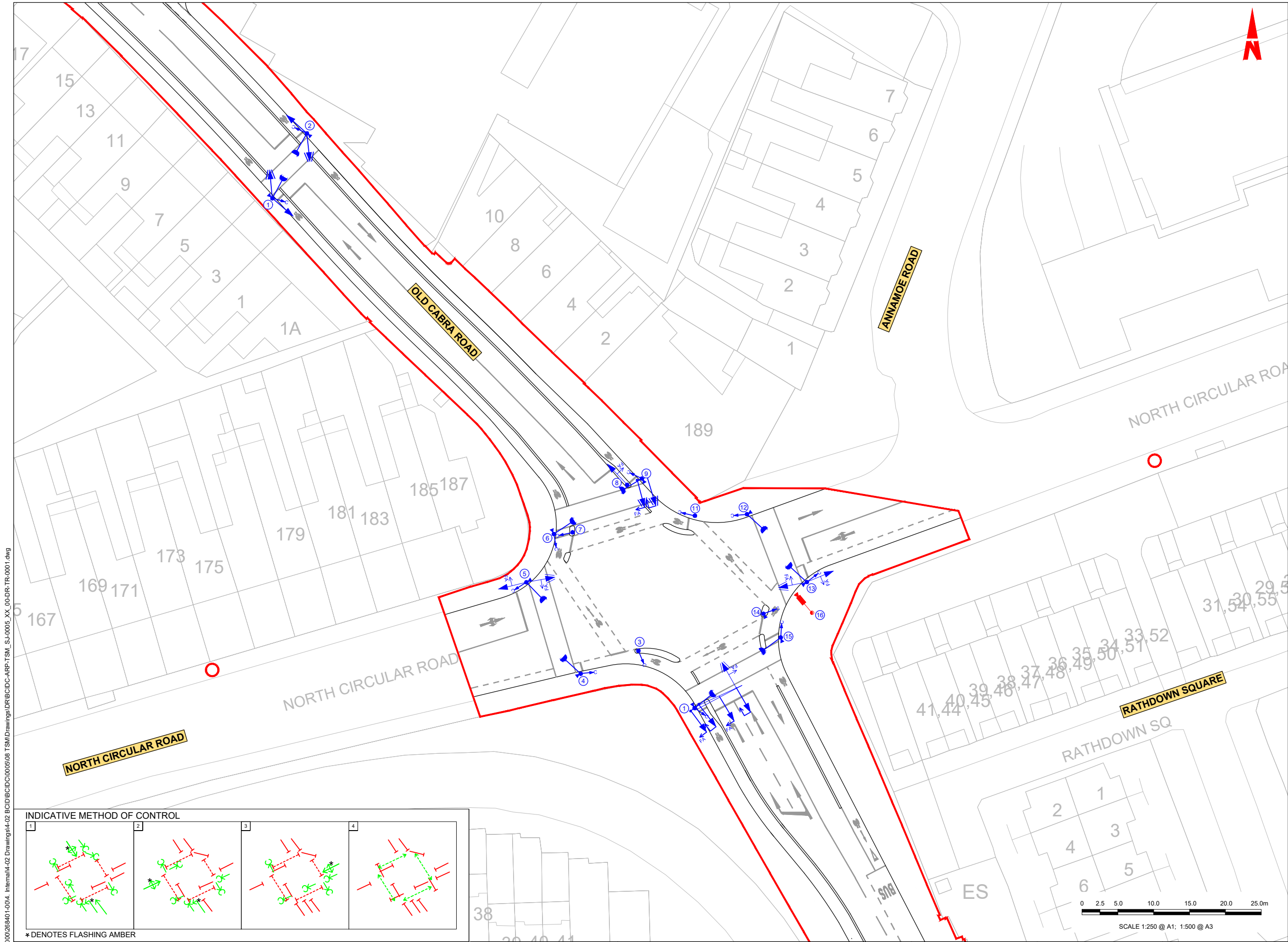
Rev	Date	Drn	Chk'd	App'd	Description
M01	04/04/2022	GMcT	GE	BD	ISSUE FOR PHASE 4: PLANNING

Client

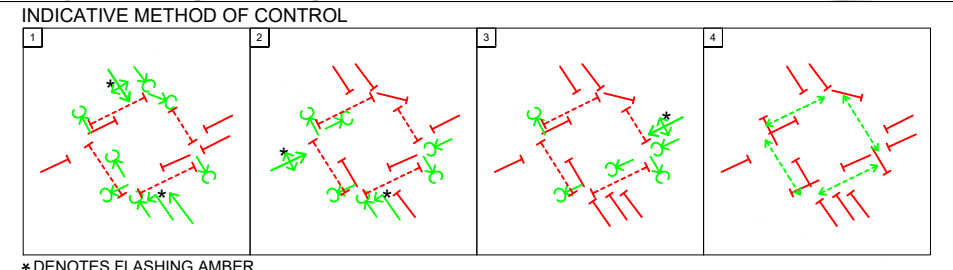
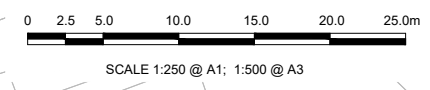
Engineering Designer

Programme Title		BUSCONNECTS DUBLIN		
		CORE BUS CORRIDORS INFRASTRUCTURE WORKS		
Drawing Title		BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME		
		JUNCTION SYSTEMS DESIGN		
		OLD CABRA ROAD / GLENBEIGH ROAD		
Drawing File Name	Sheet Number	Status	Rev	
BCIDC-ARP-TSM_SJ-0005_XX_00-DR-TR-0035	35 of 47	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 004 PRIMARY
 - RTS 004 SECONDARY
 - RTS 004 PRIMARY
 - RTS 004 SECONDARY
 - RTS 007 (LOW LEVEL) PRIMARY
 - RPC 004 PEDESTRIAN HEAD
- TRAFFIC SIGNAL EQUIPMENT:**
- PAN / TILT / ZOOM CCTV CAMERA
 - MAST ARM (VARIABLE LENGTH)
 - TALL POLE (TRAFFIC SIGNALS)
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Rev	Date	Drn	Chk'd	App'd	Description
M01	04/04/2022	GMcT	GE	BD	ISSUE FOR PHASE 4: PLANNING

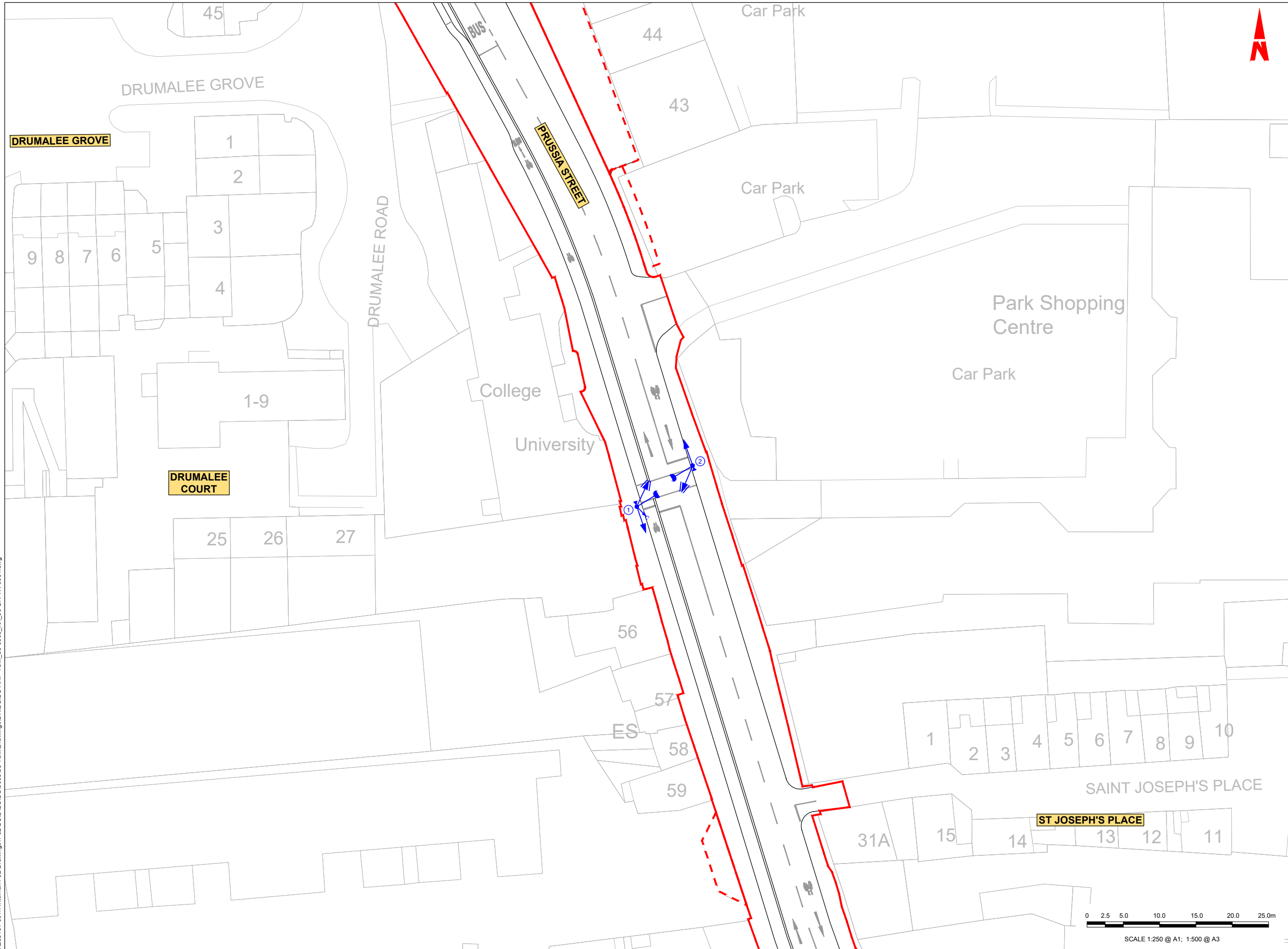
Client

Engineering Designer

Programme Title		BUSCONNECTS DUBLIN		
		CORE BUS CORRIDORS INFRASTRUCTURE WORKS		
Drawing Title		BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME		
		JUNCTION SYSTEMS DESIGN		
		OLD CABRA ROAD PEDESTRIAN CROSSING & PRUSSIA STREET / NORTH CIRCULAR ROAD		
Drawing File Name	Sheet Number	Status	Rev	
BCIDC-ARP-TSM_SJ-0005_XX_00-DR-TR-0036	36 of 47	A	M01	

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LEGEND:

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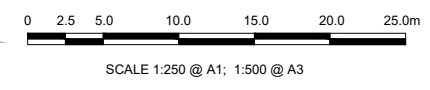
- RTS 001 PRIMARY
- RTS 001 SECONDARY
- RTS 007 (LOW LEVEL) PRIMARY
- RPC 004 PEDESTRIAN HEAD

TRAFFIC SIGNAL EQUIPMENT:

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

GENERAL:

- SITE BOUNDARY LINE
- TEMPORARY LAND ACQUISITION



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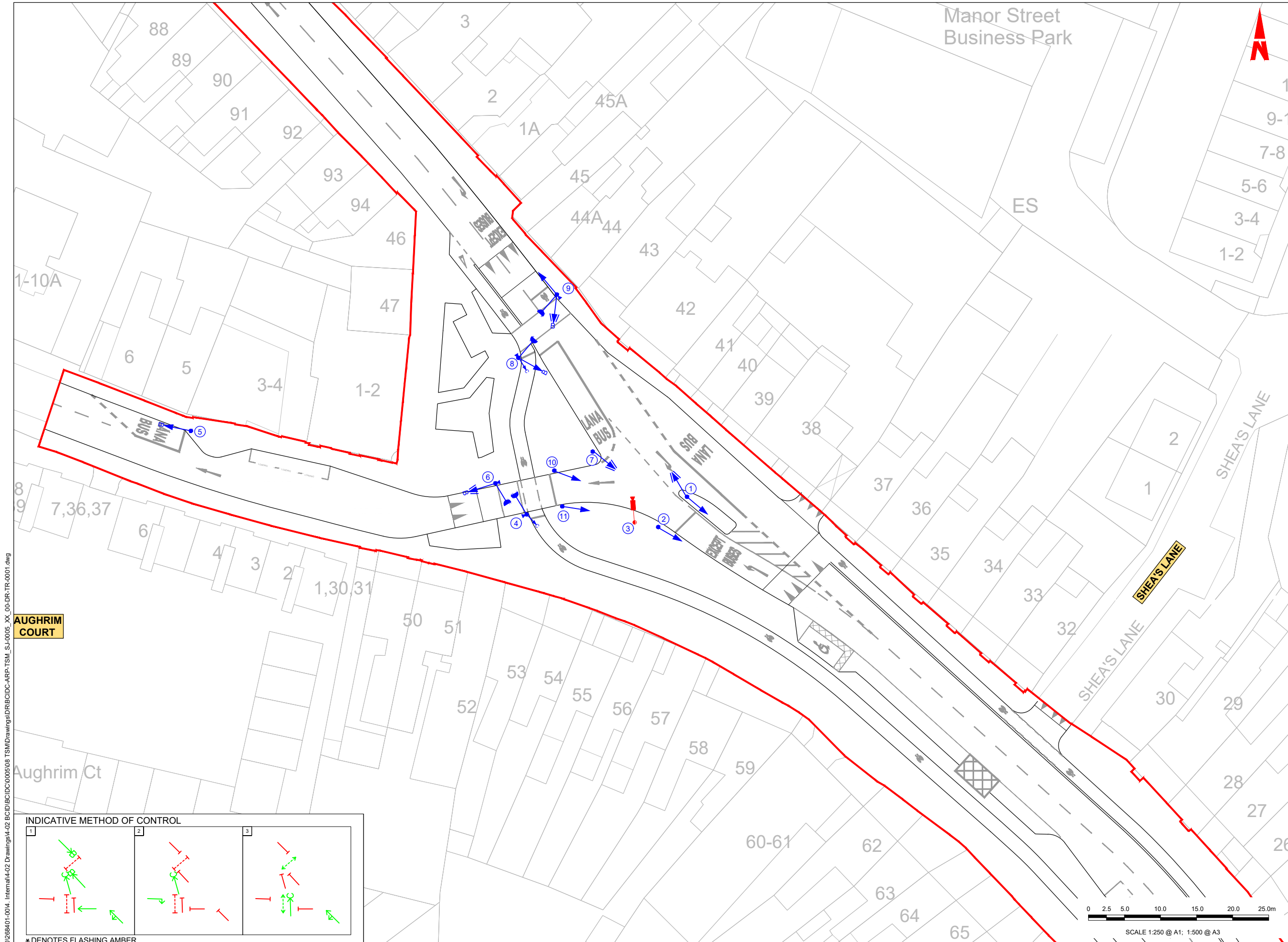
Rev	Date	Drn	Chk'd	App'd	Description
M01	04/04/2022	GMcT	GE	BD	ISSUE FOR PHASE 4: PLANNING

Client

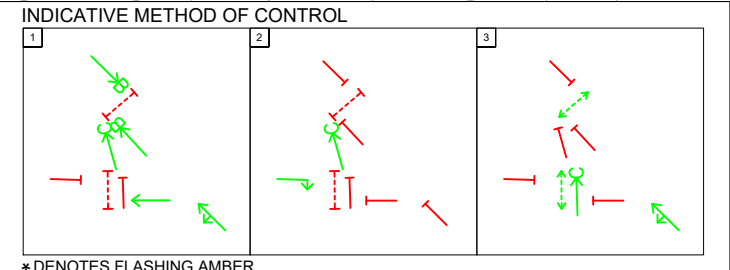
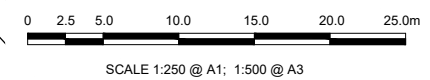
Engineering Designer

Programme Title		BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS		
Drawing Title		BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN PRUSSIA STREET PEDESTRIAN CROSSING		
Drawing File Name	Sheet Number	Status	Rev	
BCIDC-ARP-TSM_SJ-0005_XX_00-DR-TR-0037	37 of 47	A	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 007 (LOW LEVEL) PRIMARY
 - RPC 004 PEDESTRIAN HEAD
- TRAFFIC SIGNAL EQUIPMENT:**
- PAN / TILT / ZOOM CCTV CAMERA
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
 - PUSH BUTTON UNIT
 - POLE (STANDARD HEIGHT)
 - POLE NUMBER
- GENERAL:**
- SITE BOUNDARY LINE
 - TEMPORARY LAND ACQUISITION



AUGHRIM COURT

Aughrim Ct

Manor Street Business Park

ES

SHEA'S LANE

SHEA'S LANE

SHEA'S LANE

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Rev	Date	Drn	Chk'd	App'd	Description
M01	04/04/2022	GMcT	GE	BD	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **ARUP**

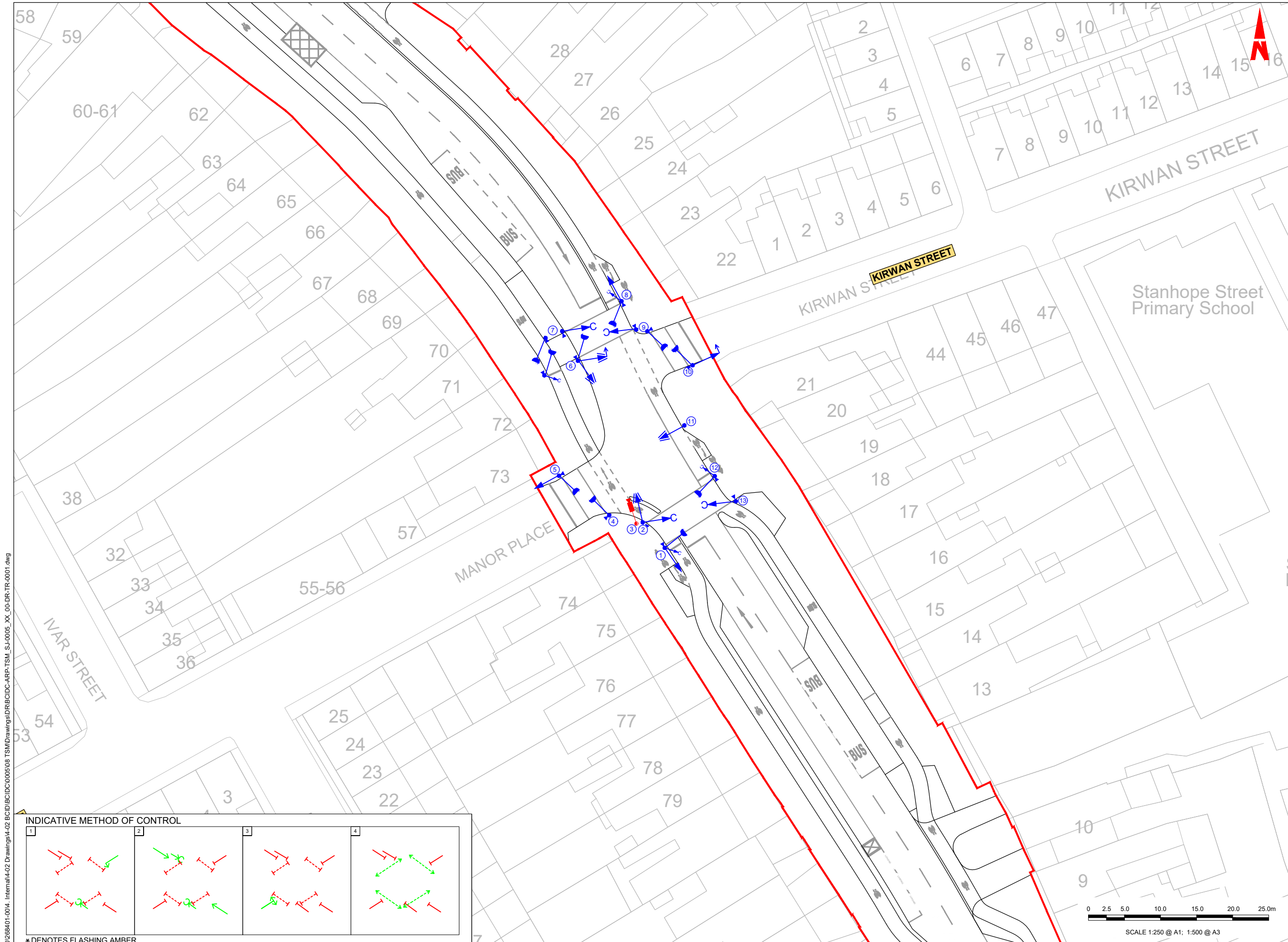
Date: 04/04/2022 | Scale: 1:250 @ A1, 1:500 @ A3 | Drawn: GMcT | Checked: GE | Approved: BD

Project Code: BCIDC | Originator Code: ARP | OMS Code: 268401-00

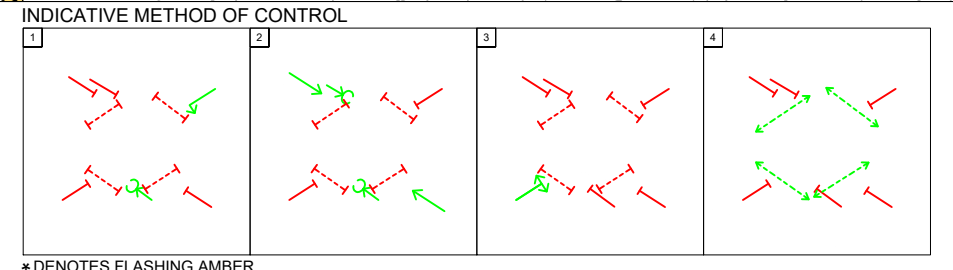
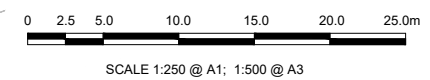
Programme Title: BUSCONNECTS DUBLIN			
CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME			
JUNCTION SYSTEMS DESIGN			
MANOR STREET / AUGHRIM STREET			
Drawing File Name: BCIDC-ARP-TSM_SJ-0005_XX_00-DR-TR-0038	Sheet Number: 38 of 47	Status: 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 007 (HIGH LEVEL) PRIMARY
 - RTS 007 (LOW LEVEL) PRIMARY
 - RPC 004 PEDESTRIAN HEAD
- TRAFFIC SIGNAL EQUIPMENT:**
- PAN / TILT / ZOOM CCTV CAMERA
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
 - ⊗ POLE NUMBER
 - PUSH BUTTON UNIT
 - POLE (STANDARD HEIGHT)
- GENERAL:**
- SITE BOUNDARY LINE
 - - - - - TEMPORARY LAND ACQUISITION



\global\europa\dublin\jobs\268401-004 - Internal\4-02 Drawings\4-02 BCID\BCIDC\0005\08 TSM\Drawings\DRB\BCIDC-ARP-TSM_SJ-0005_XX_00-DR-TR-0001.dwg

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Rev	Date	Drn	Chk'd	App'd	Description
M01	04/04/2022	GMcT	GE	BD	ISSUE FOR PHASE 4: PLANNING

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

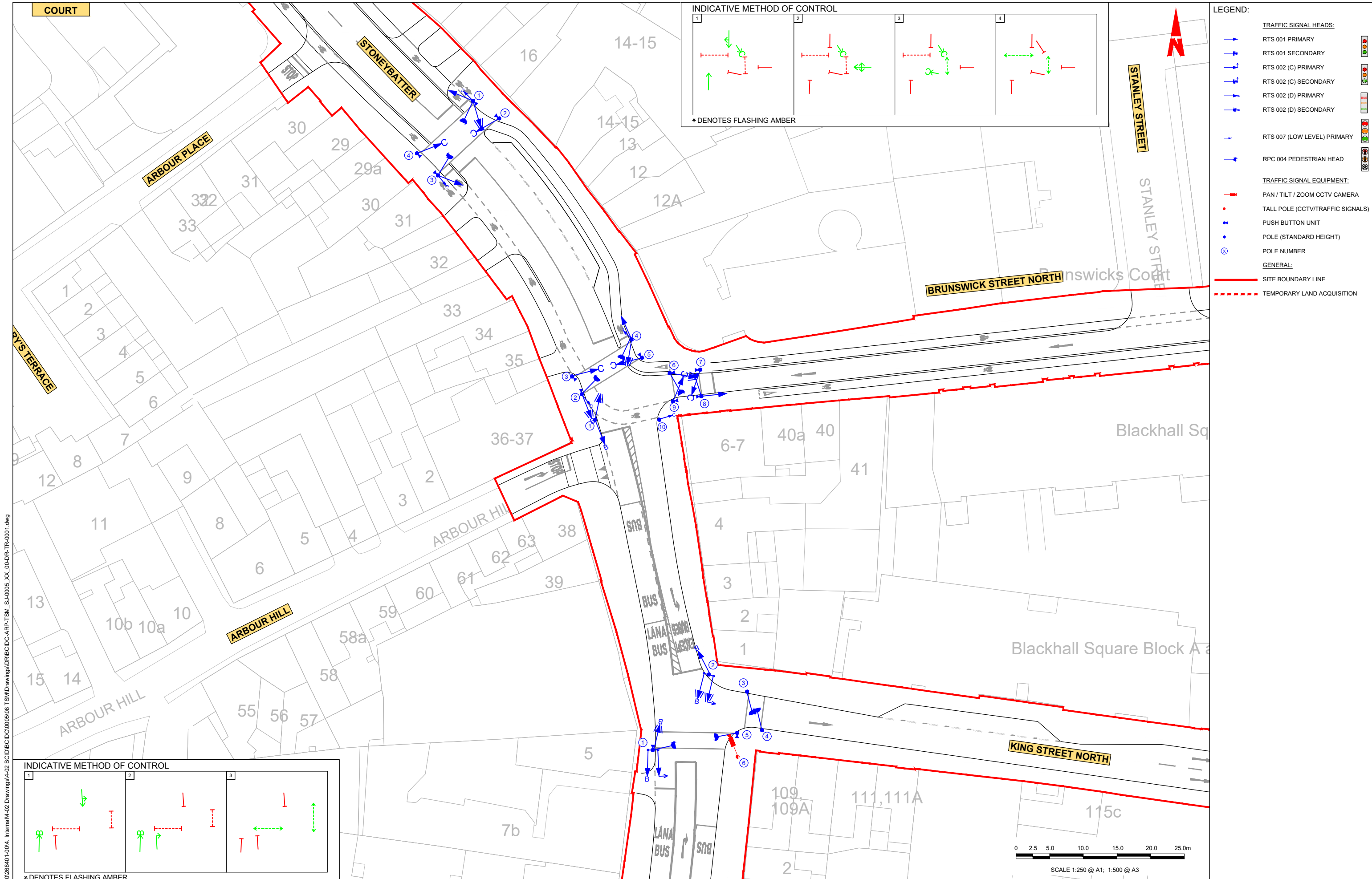
Engineering Designer: **ARUP**

Date: 04/04/2022 | Scale: 1:250 @ A1, 1:500 @ A3 | Drawn: GMcT | Checked: GE | Approved: BD

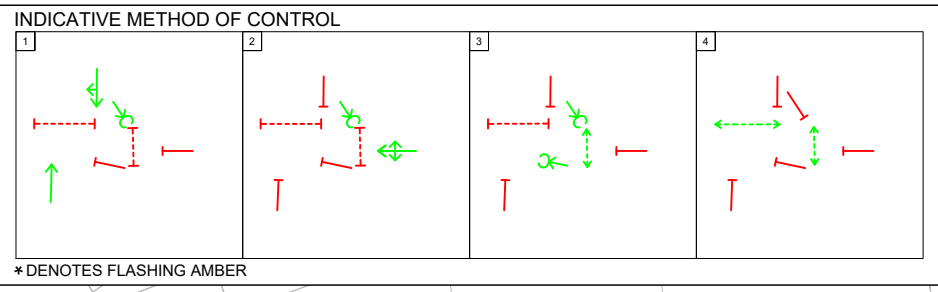
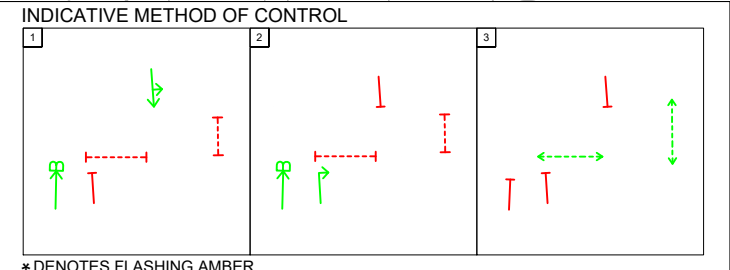
Project Code: BCIDC | Originator Code: ARP | OMS Code: 268401-00

Programme Title: BUSCONNECTS DUBLIN			
CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME			
JUNCTION SYSTEMS DESIGN			
MANOR STREET / KIRWAN STREET			
Drawing File Name: BCIDC-ARP-TSM_SJ-0005_XX_00-DR-TR-0039	Sheet Number: 39 of 47	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 007 (LOW LEVEL) PRIMARY
 - RPC 004 PEDESTRIAN HEAD
 - TRAFFIC SIGNAL EQUIPMENT:**
 - PAN / TILT / ZOOM CCTV CAMERA
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
 - PUSH BUTTON UNIT
 - POLE (STANDARD HEIGHT)
 - POLE NUMBER
 - GENERAL:**
 - SITE BOUNDARY LINE
 - TEMPORARY LAND ACQUISITION



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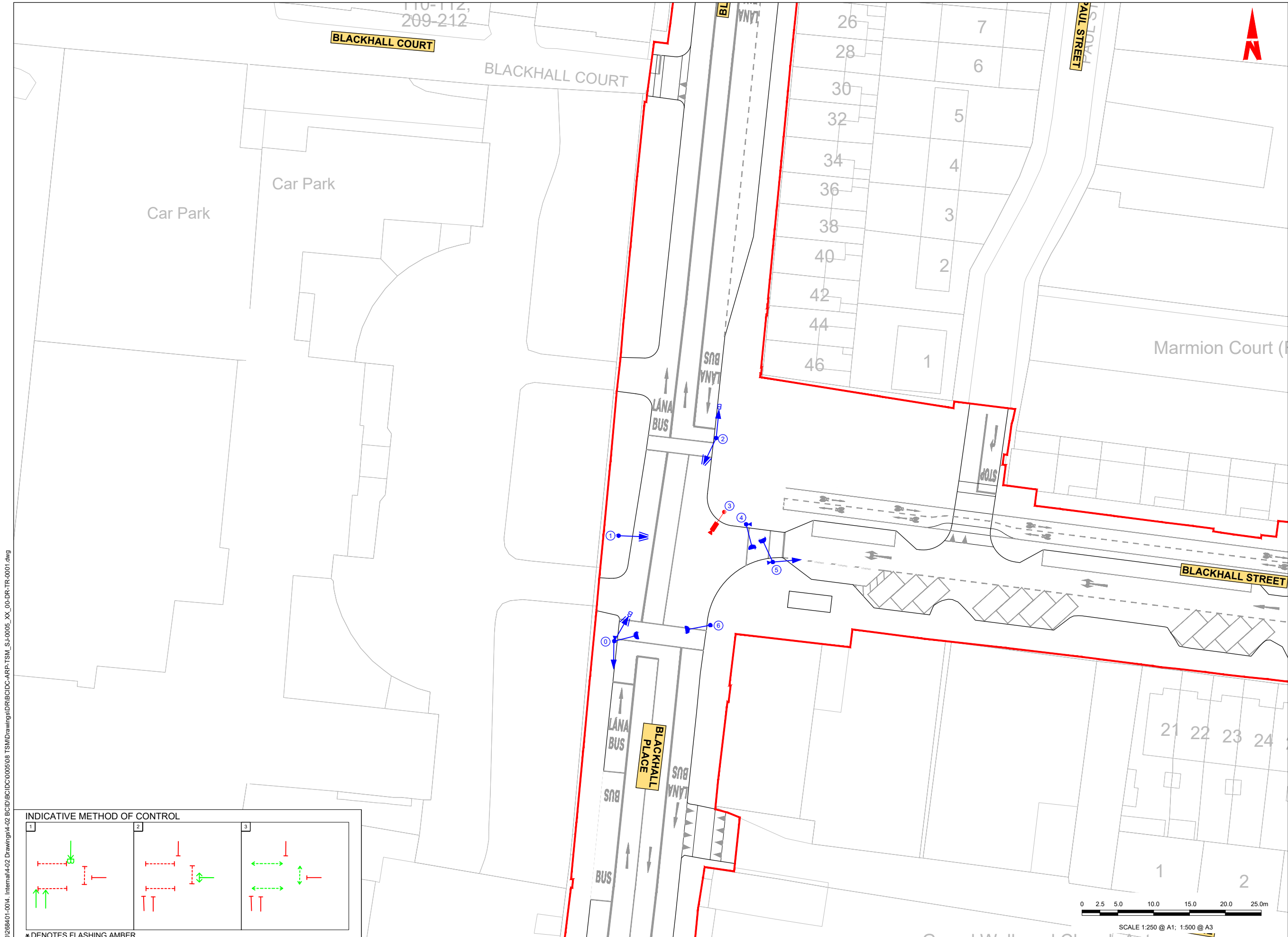
Rev	Date	Drn	Chk'd	App'd	Description
M01	04/04/2022	GMcT	GE	BD	ISSUE FOR PHASE 4: PLANNING

Client

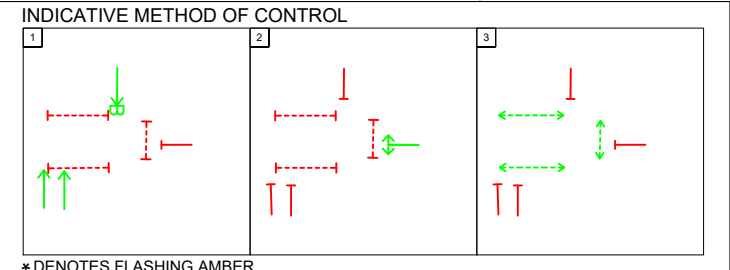
Engineering Designer

Programme Title		BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS		
Drawing Title		BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN		
Drawing File Name		BCIDC-ARP-TSM_SJ-0005_XX_00-DR-TR-0040		
Date	Scale	Drawn	Checked	Approved
04/04/2022	1:250 @ A1 1:500 @ A3	GMcT	GE	BD
Project Code	Originator Code	OMS Code		
BCIDC	ARP	268401-00		
Sheet Number	Status	Rev		
40 of 47	A	M01		

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



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Rev	Date	Drn	Chk'd	App'd	Description
M01	04/04/2022	GMcT	GE	BD	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **ARUP**

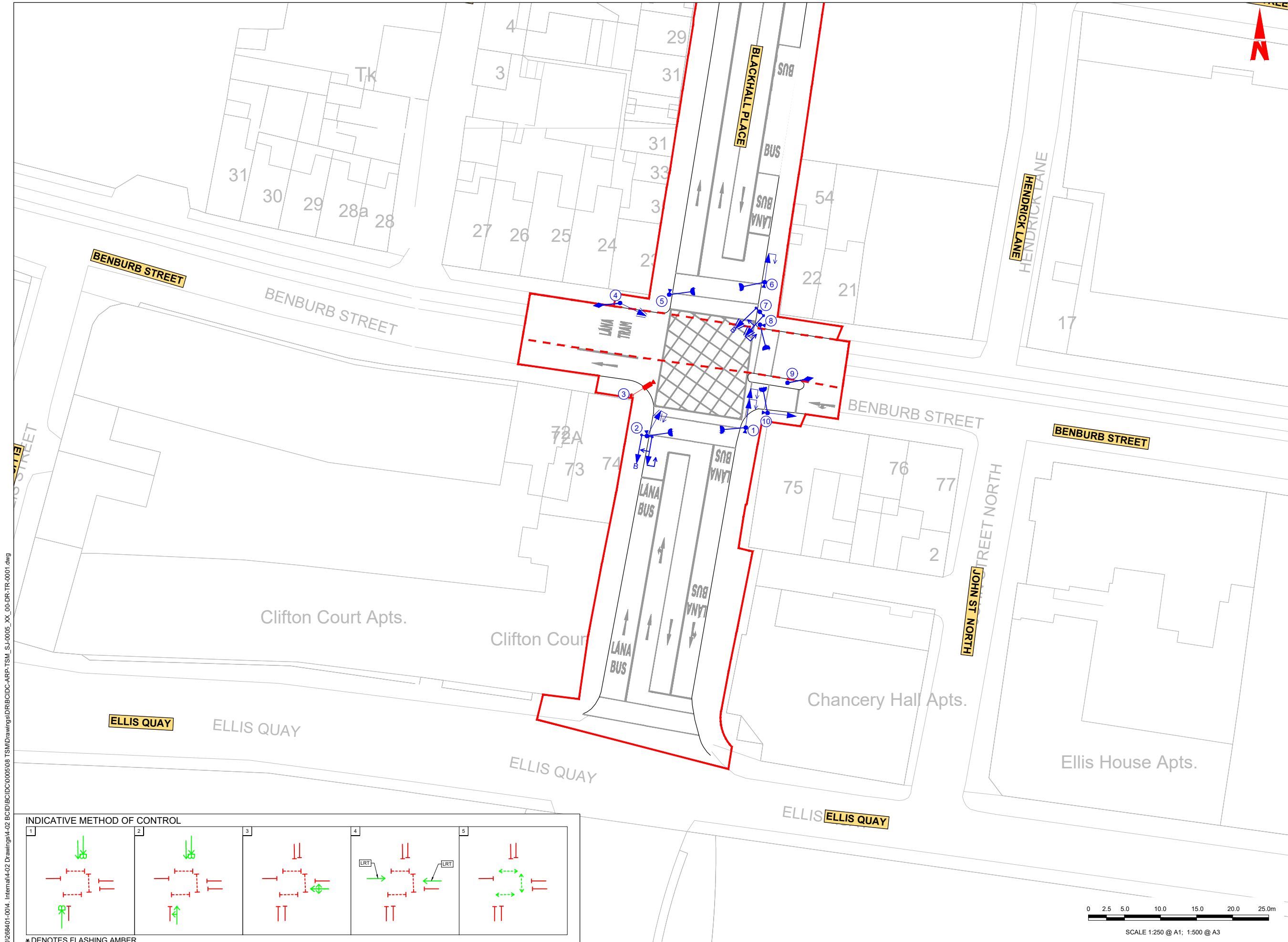
Date: 04/04/2022
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Drawn: GMcT
Checked: GE
Approved: BD

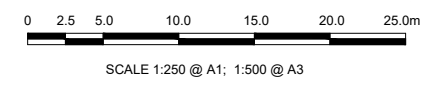
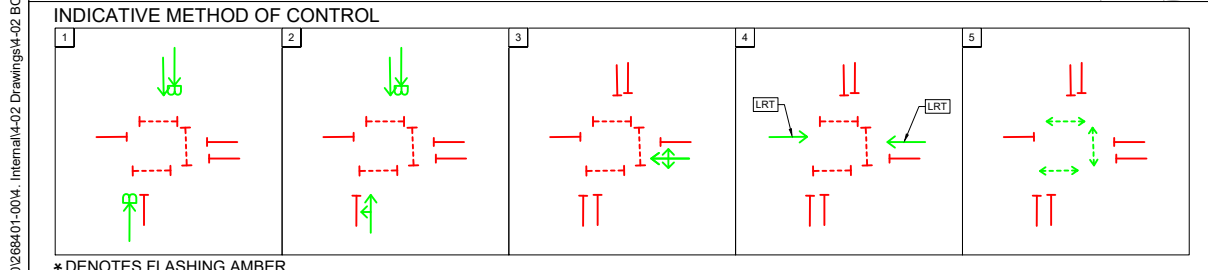
Project Code: BCIDC
Originator Code: ARP
OMS Code: 268401-00

Programme Title	BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS		
Drawing Title	BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN BLACKHALL PLACE / BLACKHALL STREET		
Drawing File Name	BCIDC-ARP-TSM_SJ-0005_XX_00-DR-TR-0041	Sheet Number	41 of 47
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 (D) PRIMARY
 - RTS 002 (D) SECONDARY
 - RTS 003 (H) PRIMARY
 - RTS 003 (H) SECONDARY
 - RTS 008 TRAM SIGNAL
 - RPC 004 PEDESTRIAN HEAD
- TRAFFIC SIGNAL EQUIPMENT:**
- PAN / TILT / ZOOM CCTV CAMERA
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
 - PUSH BUTTON UNIT
 - POLE (STANDARD HEIGHT)
 - POLE NUMBER
- GENERAL:**
- SITE BOUNDARY LINE
 - TEMPORARY LAND ACQUISITION



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Rev	Date	Drn	Chk'd	App'd	Description
M01	04/04/2022	GMcT	GE	BD	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **ARUP**

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

Drawn: GMcT
Checked: GE
Approved: BD

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

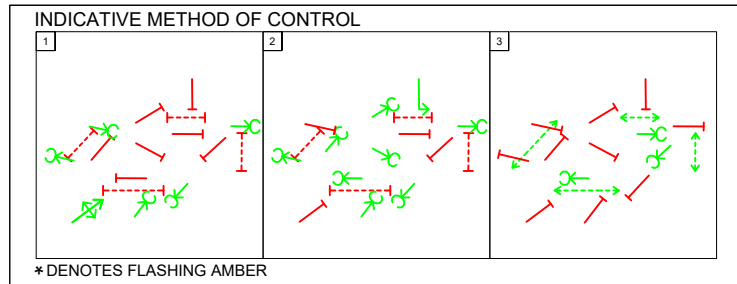
Programme Title: **BUSCONNECTS DUBLIN
CORE BUS CORRIDORS INFRASTRUCTURE WORKS**

Drawing Title: **BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME
JUNCTION SYSTEMS DESIGN
BLACKHALL PLACE / BENBURB STREET**

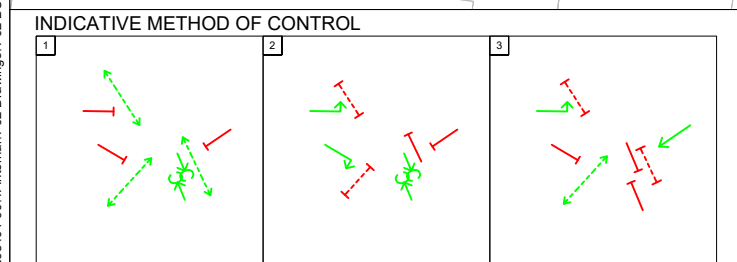
Drawing File Name: BCIDC-ARP-TSM_SJ-0005_XX_00-DR-TR-0042	Sheet Number: 42 of 47	Status: A	Rev: M01
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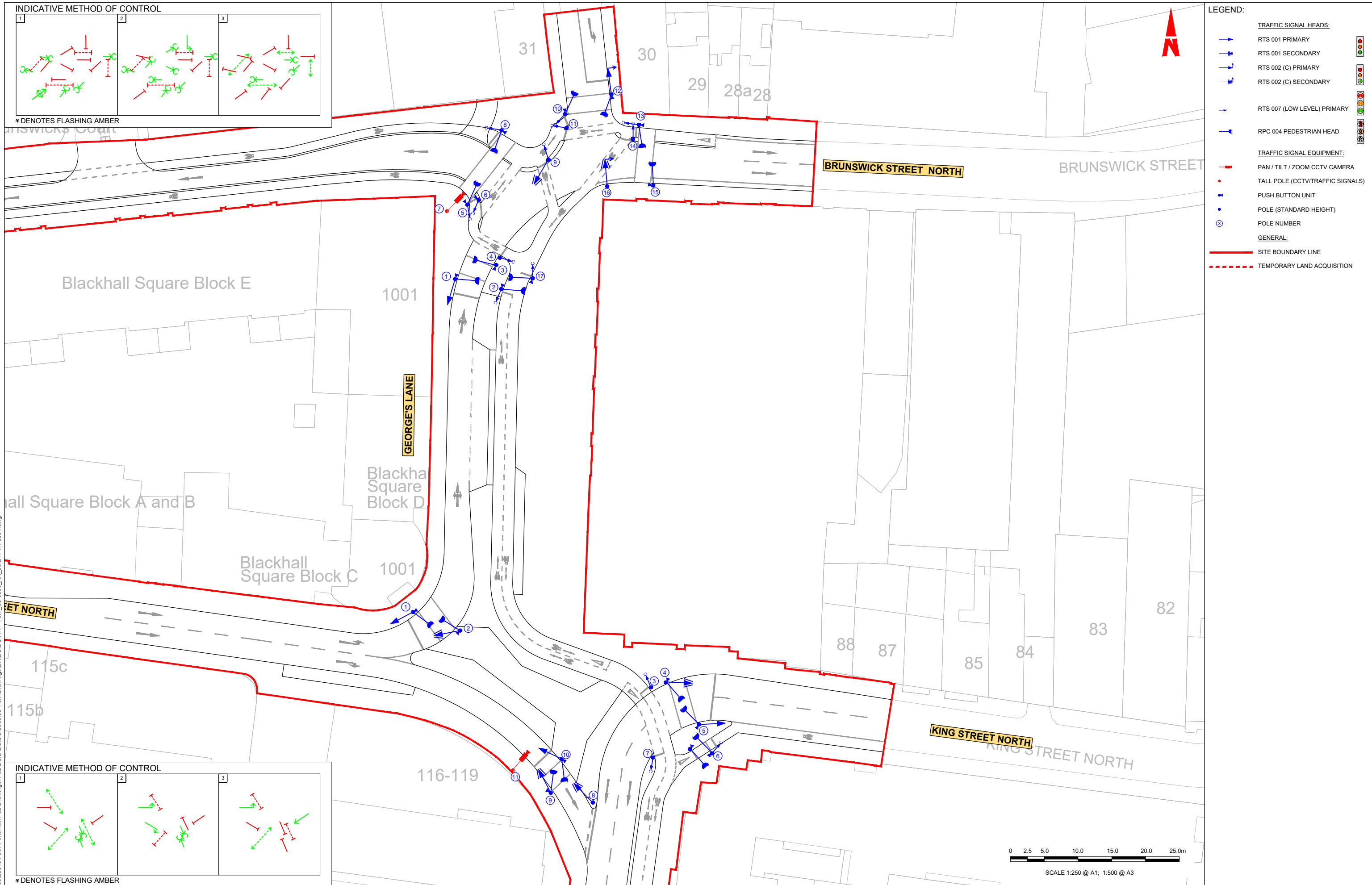
\\global\europa\dublin\jobs\268401-004 - Internal\4-02 Drawings\4-02 BCIDC\0005\08 TSM\Drawings\DR\BCIDC-ARP-TSM_SJ-0005_XX_00-DR-TR-0001.dwg



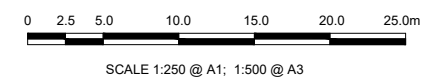
* DENOTES FLASHING AMBER



* DENOTES FLASHING AMBER



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



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Rev	Date	Drn	Chk'd	App'd	Description
M01	04/04/2022	GMcT	GE	BD	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **ARUP**

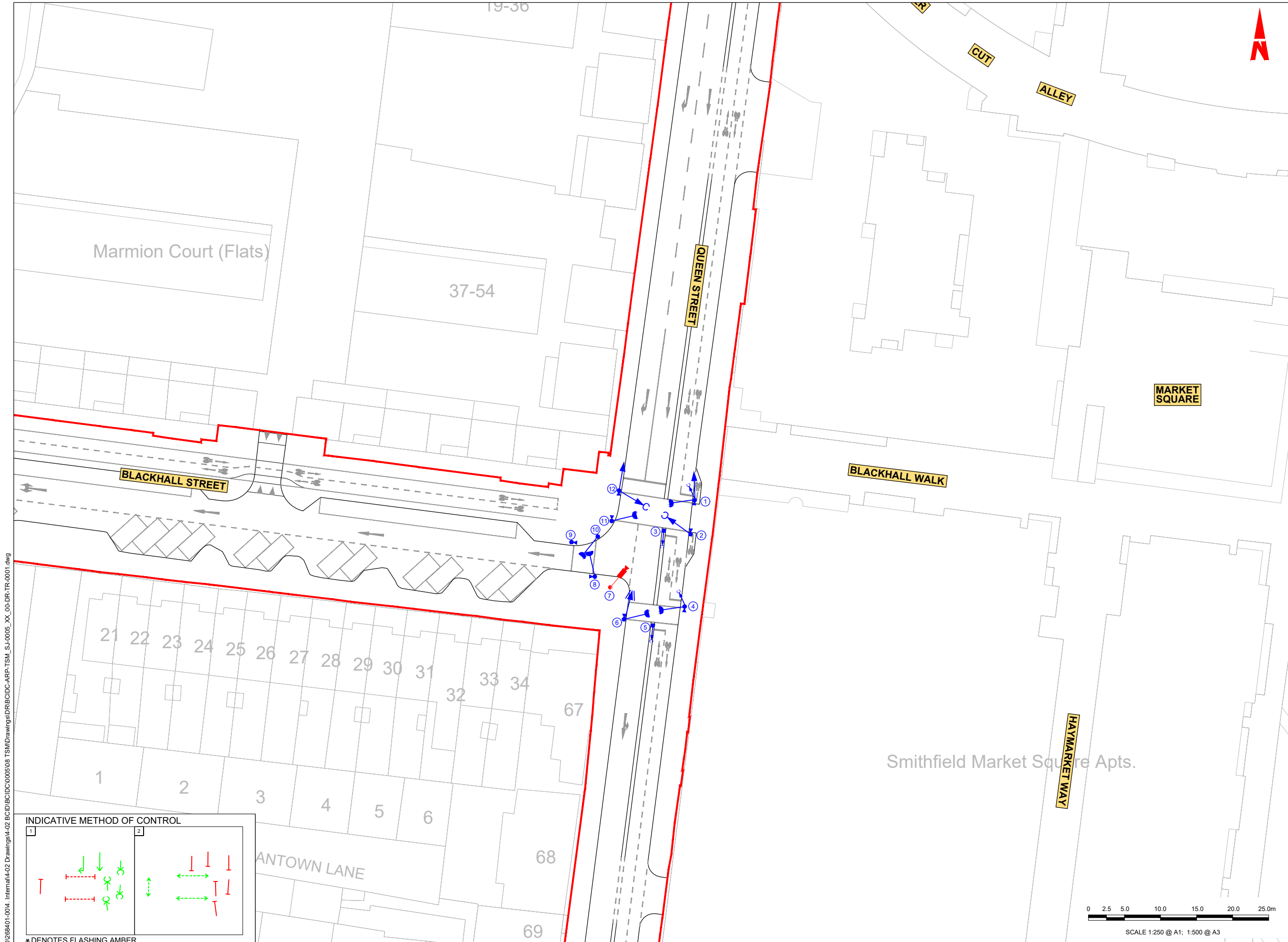
Date: 04/04/2022
Scale: 1:250 @ A1
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Drawn: GMcT
Checked: GE
Approved: BD

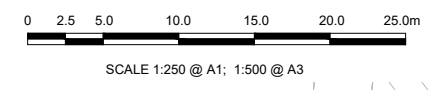
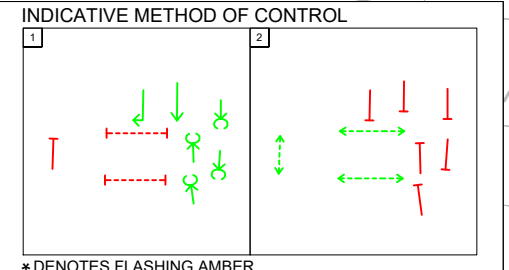
Project Code: BCIDC
Originator Code: ARP
OMS Code: 268401-00

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN			
BRUNSWICK STREET NORTH / GRANGEGORMAN LOWER & KING STREET NORTH / QUEEN STREET			
Drawing File Name: BCIDC-ARP-TSM_SJ-0005_XX_00-DR-TR-0043	Sheet Number: 43 of 47	Status: A	Rev: M01

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



\gloabal\europa\dublin\jobs\268401-0014 - Internal\4-02 Drawings\4-02 BCID\BCIDC\0005\08 TSM\Drawings\DR\BCIDC-ARP-TSM_SJ-0005_XX_00-DR-TR-0001.dwg

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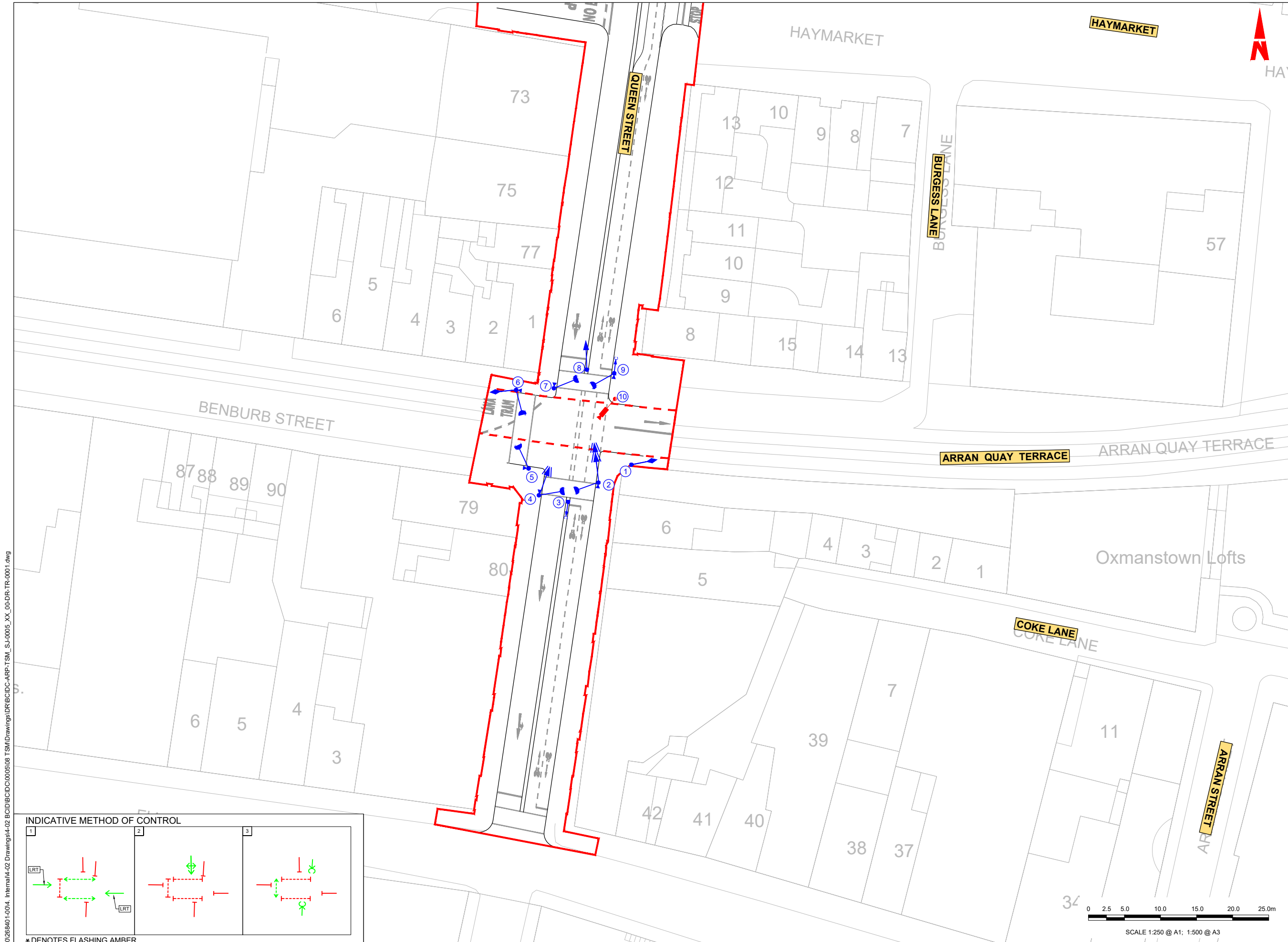
Rev	Date	Drn	Chk'd	App'd	Description
M01	04/04/2022	GMcT	GE	BD	ISSUE FOR PHASE 4: PLANNING

Client

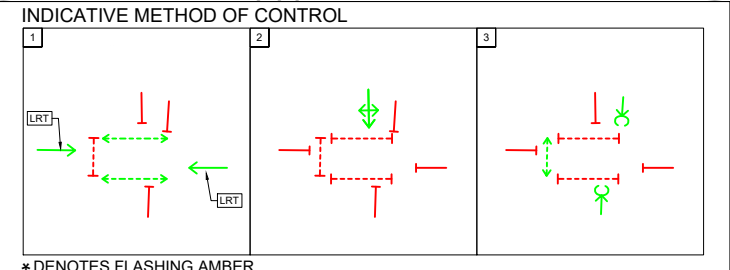
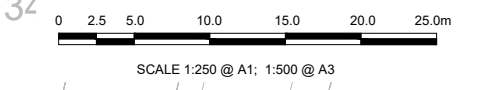
Engineering Designer

Programme Title		BUSCONNECTS DUBLIN		
		CORE BUS CORRIDORS INFRASTRUCTURE WORKS		
Drawing Title		BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME		
		JUNCTION SYSTEMS DESIGN		
		QUEEN STREET / BLACKHALL STREET		
Drawing File Name	Sheet Number	Status	Rev	
BCIDC-ARP-TSM_SJ-0005_XX_00-DR-TR-0044	44 of 47	A	M01	

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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 001 PRIMARY
 - RTS 001 SECONDARY
 - RTS 007 (LOW LEVEL) PRIMARY
 - RTS 008 TRAM SIGNAL
 - RPC 004 PEDESTRIAN HEAD
- TRAFFIC SIGNAL EQUIPMENT:**
- PAN / TILT / ZOOM CCTV CAMERA
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
 - PUSH BUTTON UNIT
 - POLE (STANDARD HEIGHT)
 - POLE NUMBER
- GENERAL:**
- SITE BOUNDARY LINE
 - TEMPORARY LAND ACQUISITION



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Rev	Date	Drn	Chk'd	App'd	Description
M01	04/04/2022	GMcT	GE	BD	ISSUE FOR PHASE 4: PLANNING

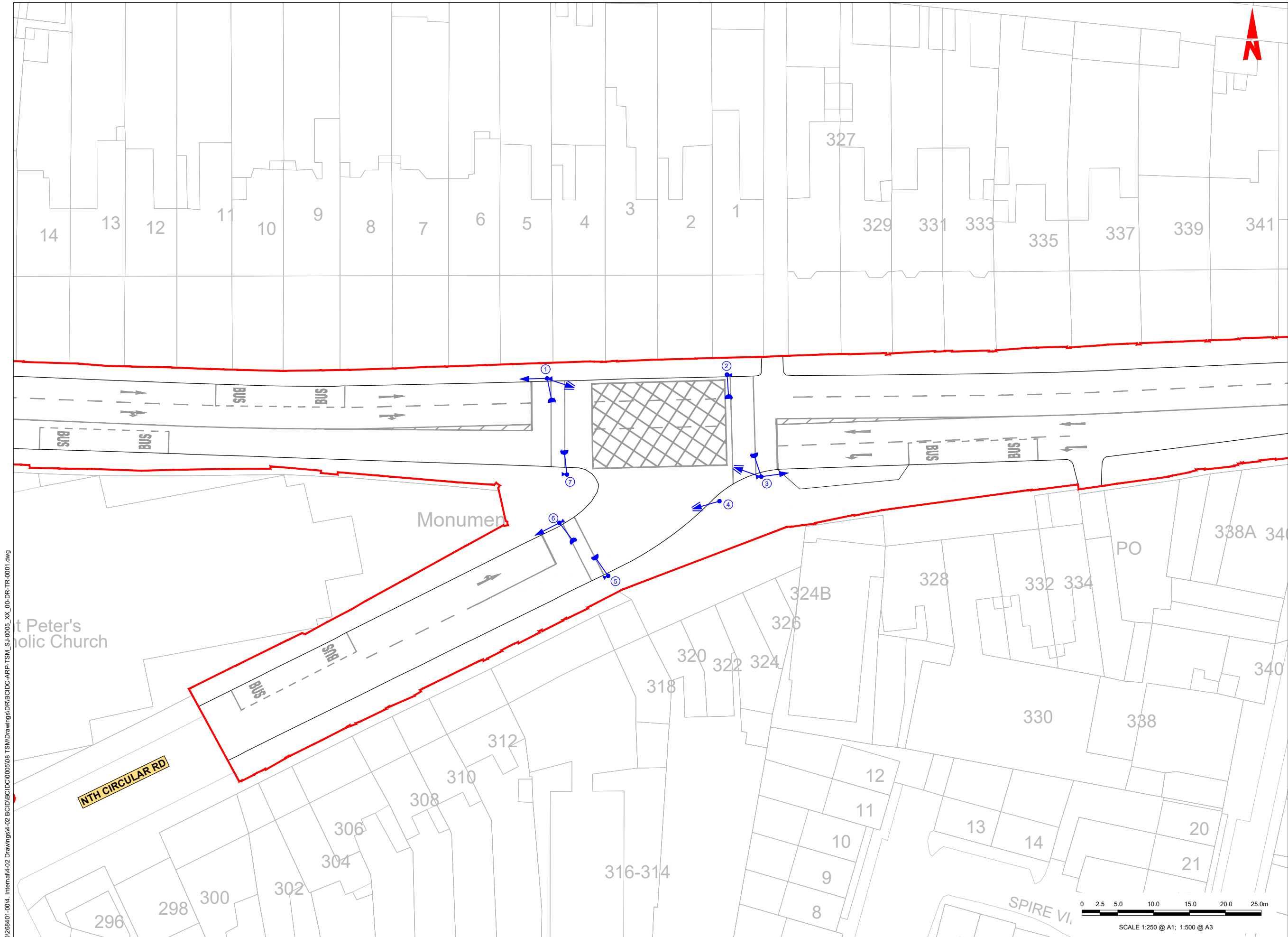
Client

Engineering Designer

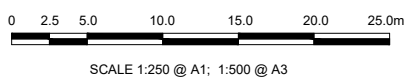
Programme Title		BUSCONNECTS DUBLIN	
		CORE BUS CORRIDORS INFRASTRUCTURE WORKS	
Drawing Title		BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME	
		JUNCTION SYSTEMS DESIGN	
		QUEEN STREET / BENBURB STREET	
Drawing File Name	Sheet Number	Status	Rev
BCIDC-ARP-TSM_SJ-0005_XX_00-DR-TR-0045	45 of 47	A	M01

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



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 t Peter's Catholic Church
 NTH CIRCULAR RD
 SPIRE VI

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Client: **NTA**
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 National Transport Authority

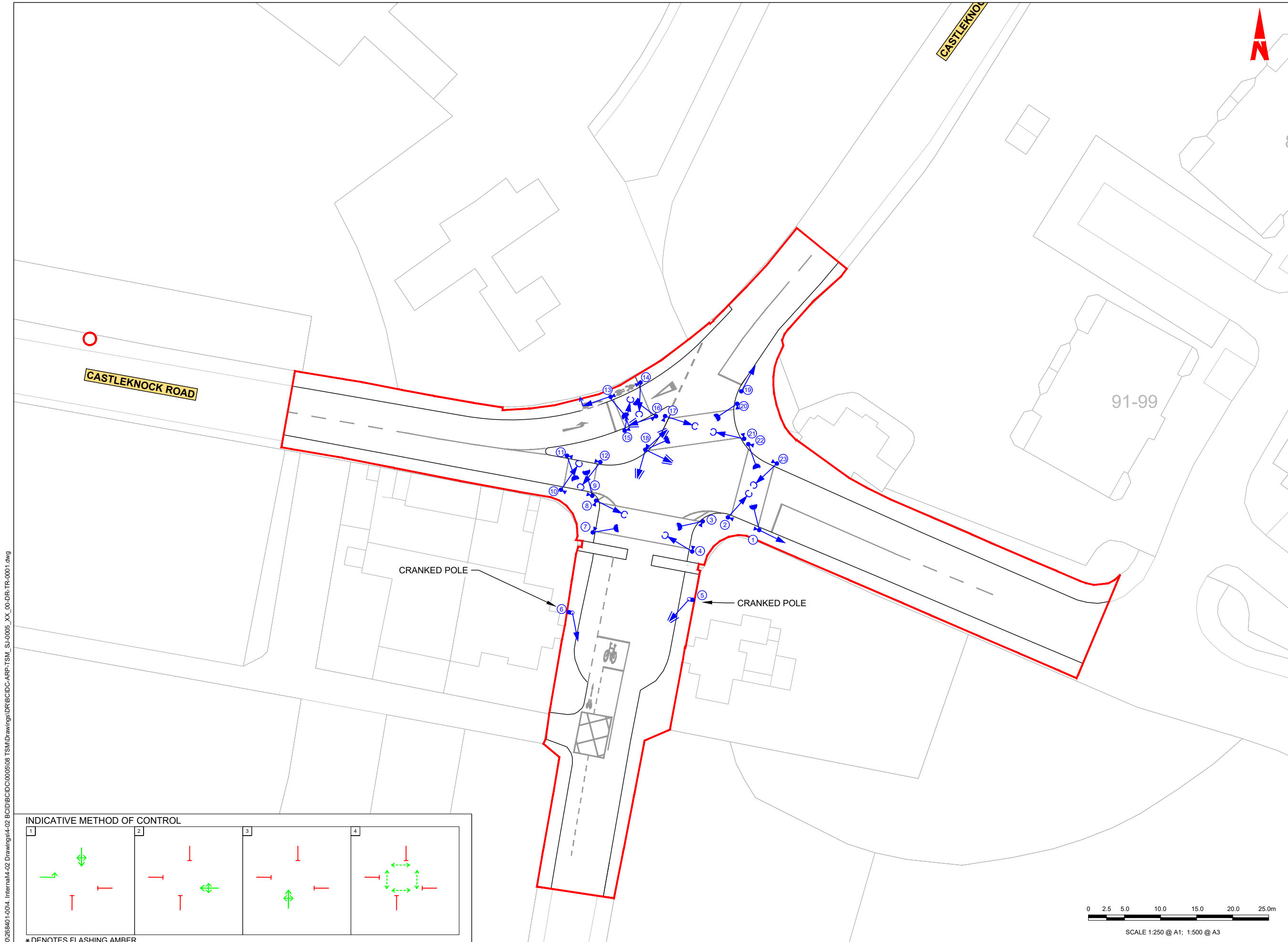
Engineering Designer: **ARUP**

Date: 04/04/2022
 Scale: 1:250 @ A1, 1:500 @ A3
 Project Code: BCIDC
 Originator Code: ARP
 OMS Code: 268401-00

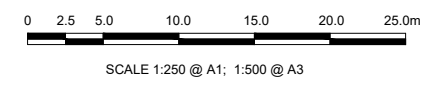
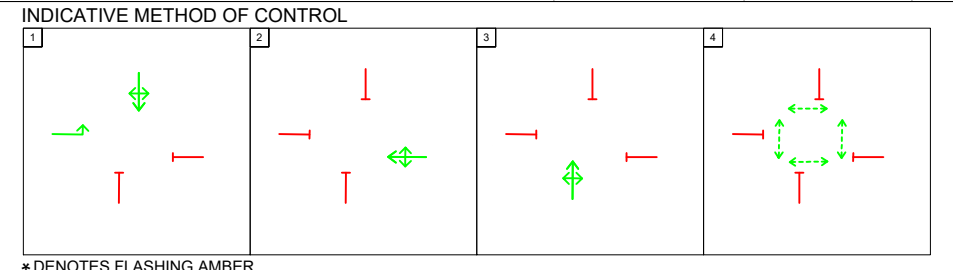
Drawn: GMcT
 Checked: GE
 Approved: BD

Programme Title	BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS		
Drawing Title	BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN CABRA ROAD (DALYMOUNT) / NORTH CIRCULAR ROAD		
Drawing File Name	BCIDC-ARP-TSM_SJ-0005_XX_00-DR-TR-0046	Sheet Number	46 of 47
Status	A	Rev	M01

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



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Engineering Designer

Programme Title		BUSCONNECTS DUBLIN		
		CORE BUS CORRIDORS INFRASTRUCTURE WORKS		
Drawing Title		BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME		
		JUNCTION SYSTEMS DESIGN		
		CASTLEKNOCK ROAD / BLACKHORSE AVENUE		
Drawing File Name	Sheet Number	Status	Rev	
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