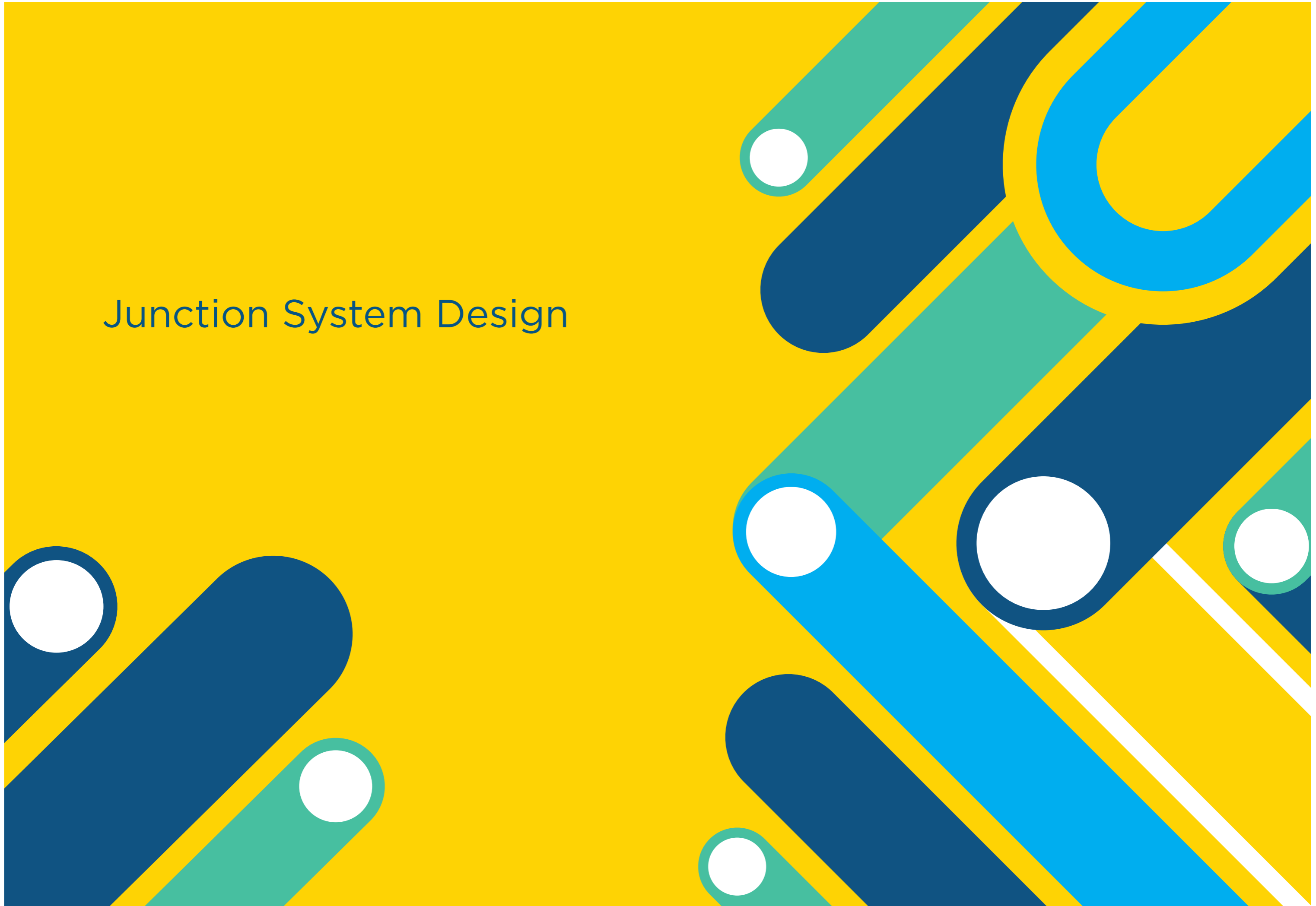
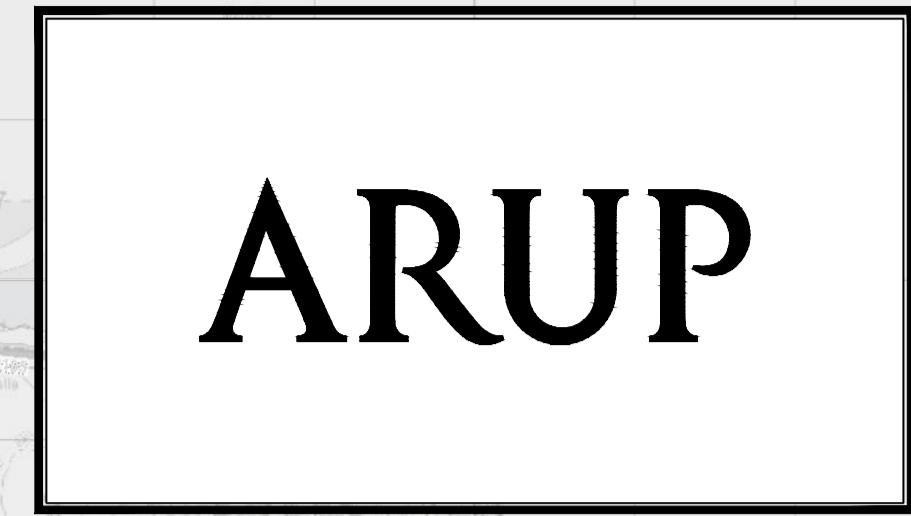
The background of the slide is a vibrant yellow. It is decorated with several abstract, overlapping shapes in shades of blue and green. These shapes include rounded rectangles, elongated ovals, and curved bands. Interspersed among these shapes are several white circles of varying sizes, some of which are partially enclosed by the colored shapes. The overall aesthetic is modern and geometric.

**Chapter 04**  
Proposed Scheme  
Description (cont'd)

# Junction System Design





# BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS

## TEMPLEOGUE / RATHFARNHAM TO CITY CENTRE CORE BUS CORRIDOR SCHEME

### JUNCTION SYSTEMS DESIGN

DRAWING SERIES NUMBER(S)	DRAWING SERIES DESCRIPTION
BCIDC-ARP-TSM_IX-1012_XX_00-DR-TR-0001	TEMPLEOGUE / RATHFARNHAM TO CITY CENTRE CORE BUS CORRIDOR SCHEME. JUNCTION SYSTEMS DESIGN. COVER SHEET
BCIDC-ARP-TSM_KP-1012_XX_00-DR-TR-0001	TEMPLEOGUE / RATHFARNHAM TO CITY CENTRE CORE BUS CORRIDOR SCHEME. JUNCTION SYSTEMS DESIGN. KEY PLAN
BCIDC-ARP-TSM_GA-1012_XX_00-DR-TR-0001 to 0047	TEMPLEOGUE / RATHFARNHAM TO CITY CENTRE CORE BUS CORRIDOR SCHEME. JUNCTION SYSTEMS DESIGN

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M01	27/01/2023	GMcT	TM	DC	ISSUE FOR PHASE 4: PLANNING

Client <b>NTA</b> Údarás Náisiúnta Iompair National Transport Authority		Engineering Designer <b>ARUP</b>		
Date 27/01/2023	Scale N/A @ A1 N/A @ A3	Drawn GMcT	Checked TM	Approved DC
Project Code BCIDC	Originator Code ARP	QMS Code 268401-00		

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title TEMPLEOGUE / RATHFARNHAM TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN COVER SHEET				
Drawing File Name BCIDC-ARP-TSM_IX-1012_XX_00-DR-TR-0001	Sheet Number 01 of 01	Status A	Rev M01	

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**Project Ireland 2040**  
 Building Ireland's Future

Rev	Date	Drn	Chk'd	App'd	Description
M01	27/01/2023	GMcT	TM	DC	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **ARUP**

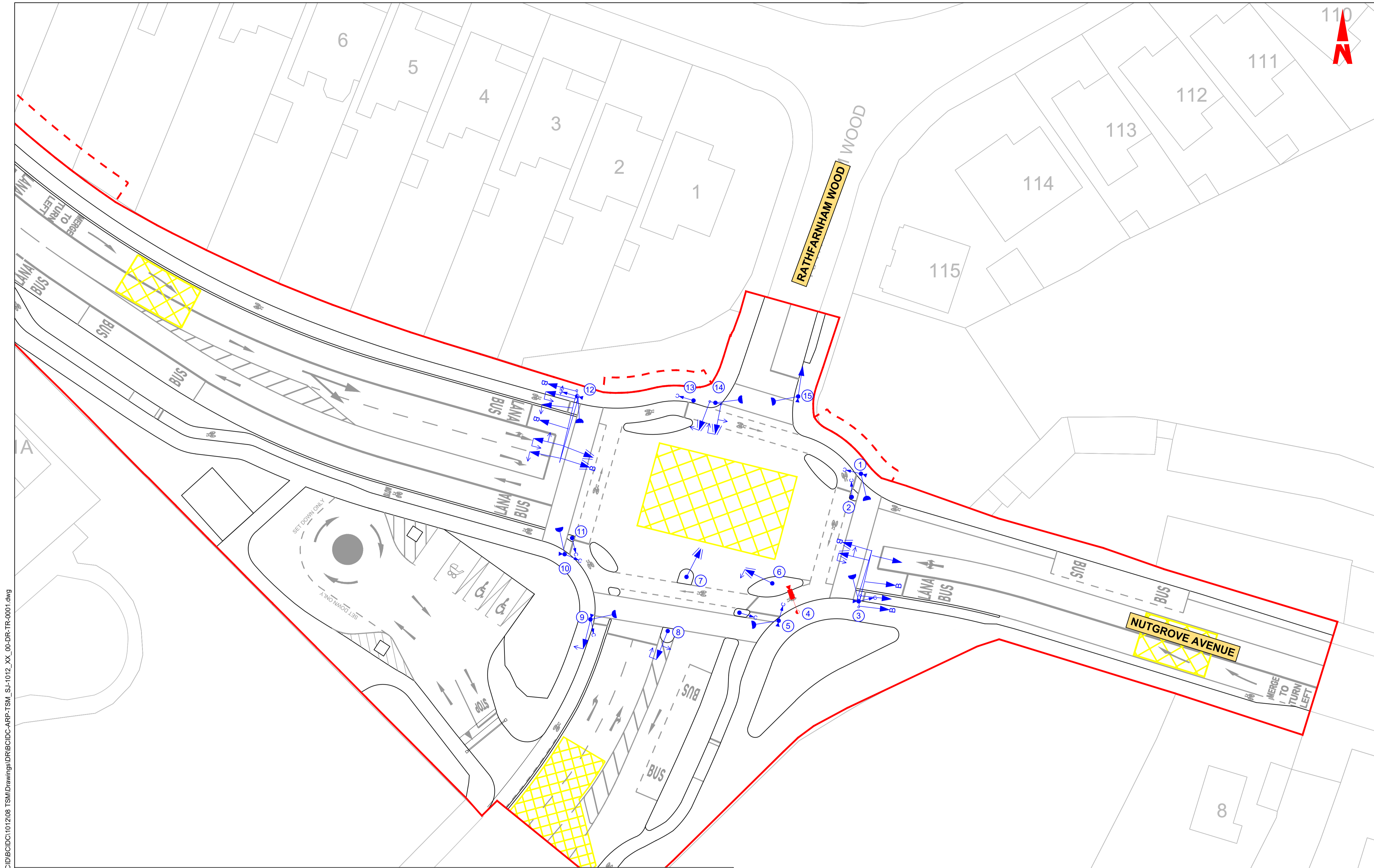
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 CORE BUS CORRIDORS INFRASTRUCTURE WORKS**

Drawing Title: **TEMPLEOGUE / RATHFARNHAM TO CITY CENTRE CORE BUS CORRIDOR SCHEME  
 JUNCTION SYSTEMS DESIGN  
 KEY PLAN**

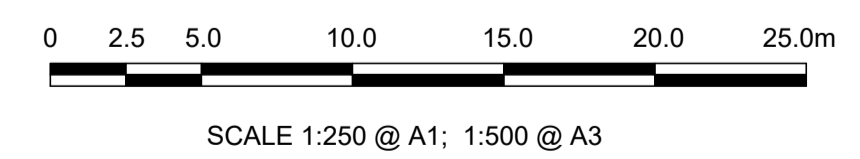
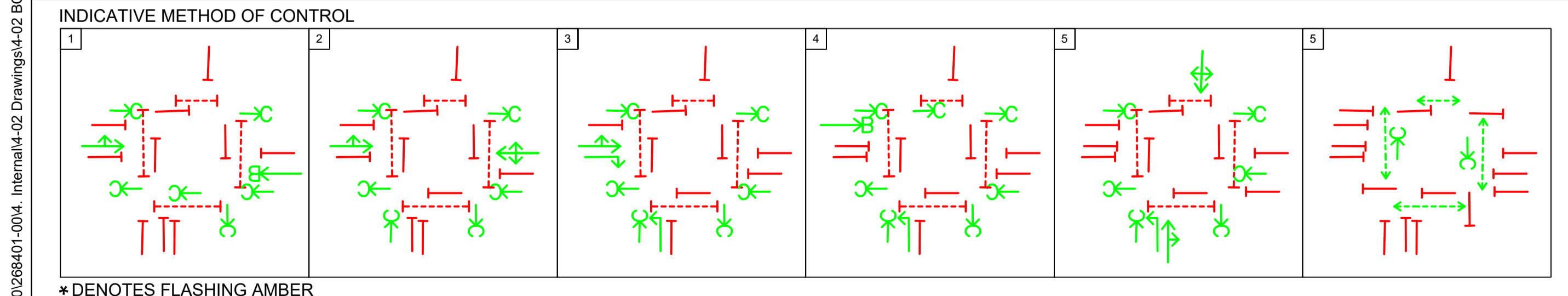
Date	27/01/2023	Scale	1:10000 @ A1 1:20000 @ A3	Drawn	GMcT	Checked	TM	Approved	DC	
Project Code	BCIDC	Originator Code	ARP	QMS Code	268401-00				Drawing File Name	BCIDC-ARP-TSM_KP-1012_XX_00-DR-TR-0001

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 (A) PRIMARY
  - RTS 002 (A) SECONDARY
  - RTS 002 (C) PRIMARY
  - RTS 002 (C) SECONDARY
  - RTS 002 (D) PRIMARY
  - RTS 002 (D) SECONDARY
  - RTS 003 (H) PRIMARY
  - RTS 003 (H) SECONDARY
  - RTS 003 (J) PRIMARY
  - RTS 003 (J) 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)
  - PUSH BUTTON UNIT
  - POLE (STANDARD HEIGHT)
- GENERAL:**
- SITE BOUNDARY LINE
  - TEMPORARY LAND ACQUISITION



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Client

Engineering Designer

Programme Title		<b>BUSCONNECTS DUBLIN</b>		
		<b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>		
Drawing Title				
TEMPLEOGUE / RATHFARNHAM TO CITY CENTRE CORE BUS CORRIDOR SCHEME				
JUNCTION SYSTEMS DESIGN				
NUTGROVE AVENUE / GRANGE ROAD JUNCTION				
Drawing File Name	Sheet Number	Status	Rev	
BCIDC-ARP-TSM_SJ-1012_XX_00-DR-TR-0001	01 of 47	A	M01	

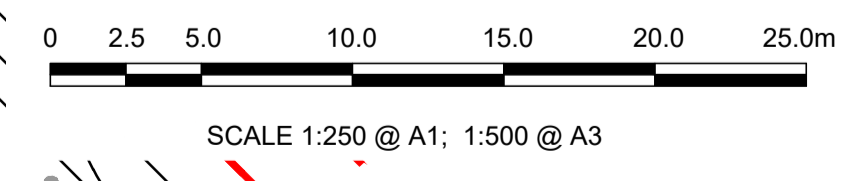
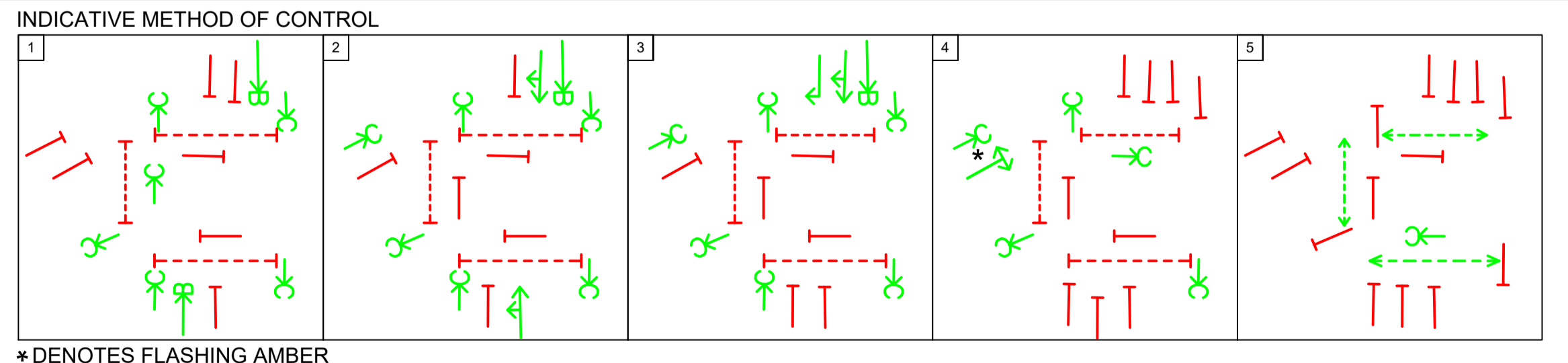
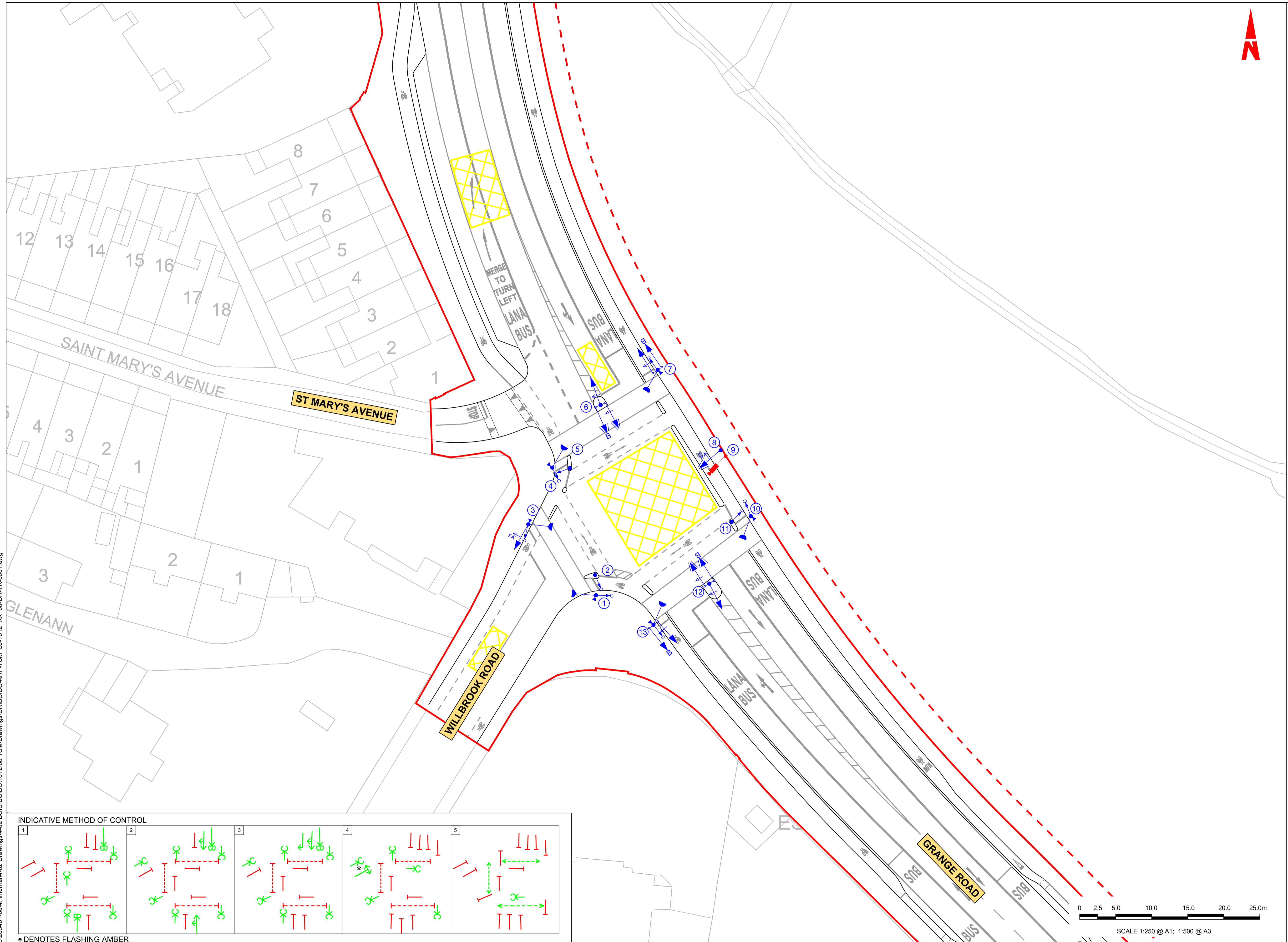
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- TRAFFIC SIGNAL HEADS:**
- RTS 002 (D) PRIMARY
  - RTS 002 (D) SECONDARY
  - RTS 003 (A) PRIMARY
  - RTS 003 (A) SECONDARY
  - RTS 003 (C) PRIMARY
  - RTS 003 (C) SECONDARY
  - RTS 004 PRIMARY
  - RTS 004 SECONDARY
  - RTS 007 (LOW LEVEL) PRIMARY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



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

Engineering Designer  
**ARUP**

Date	27/01/2023	Scale	1:250 @ A1 1:500 @ A3	Drawn	GMcT	Checked	TM	Approved	DC
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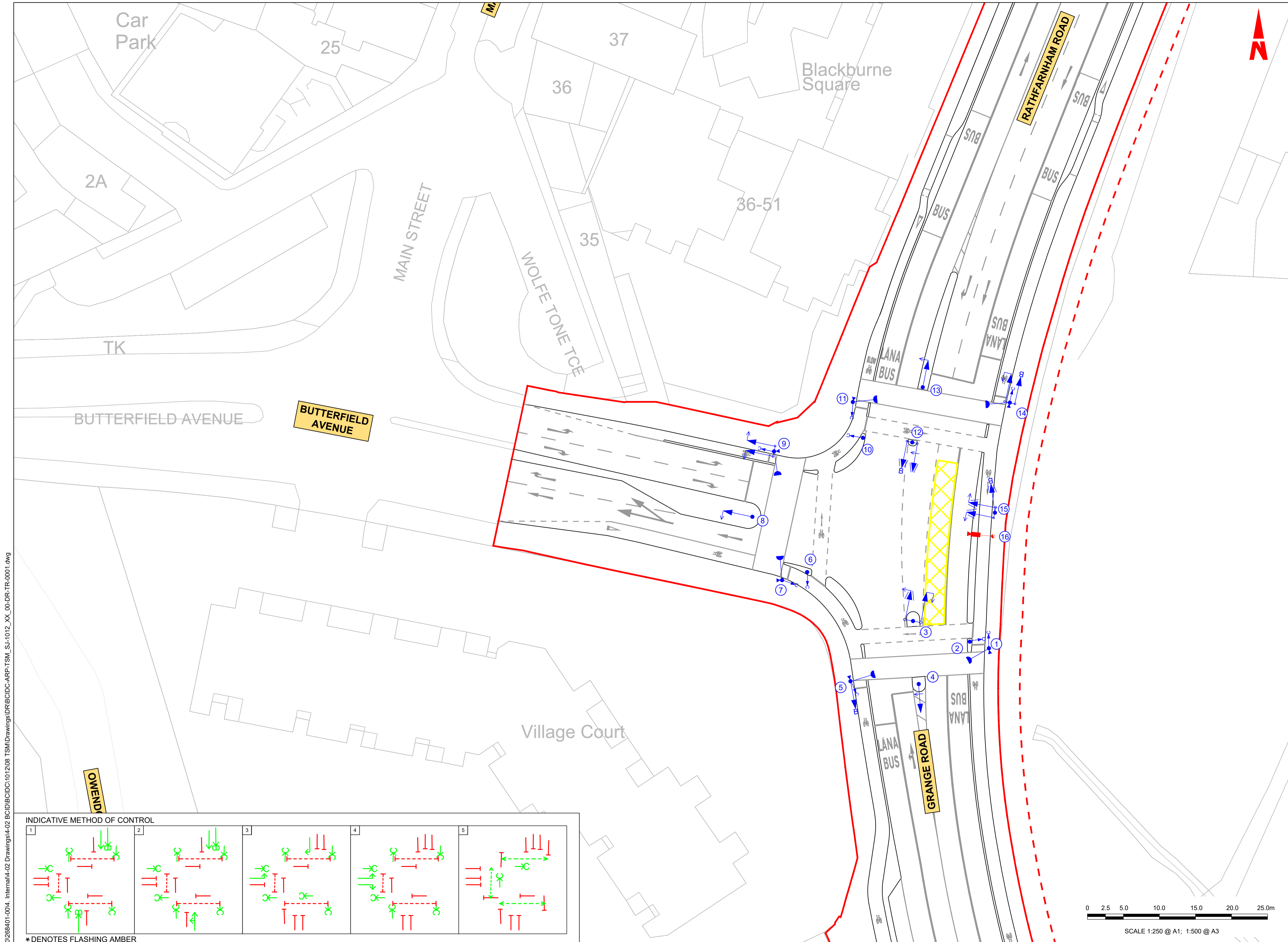
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**BUSCONNECTS DUBLIN  
 CORE BUS CORRIDORS INFRASTRUCTURE WORKS**

Drawing Title  
 TEMPLEOGUE / RATHFARNHAM TO CITY CENTRE CORE BUS CORRIDOR SCHEME  
 JUNCTION SYSTEMS DESIGN  
 GRANGE ROAD / WILBROOK ROAD JUNCTION

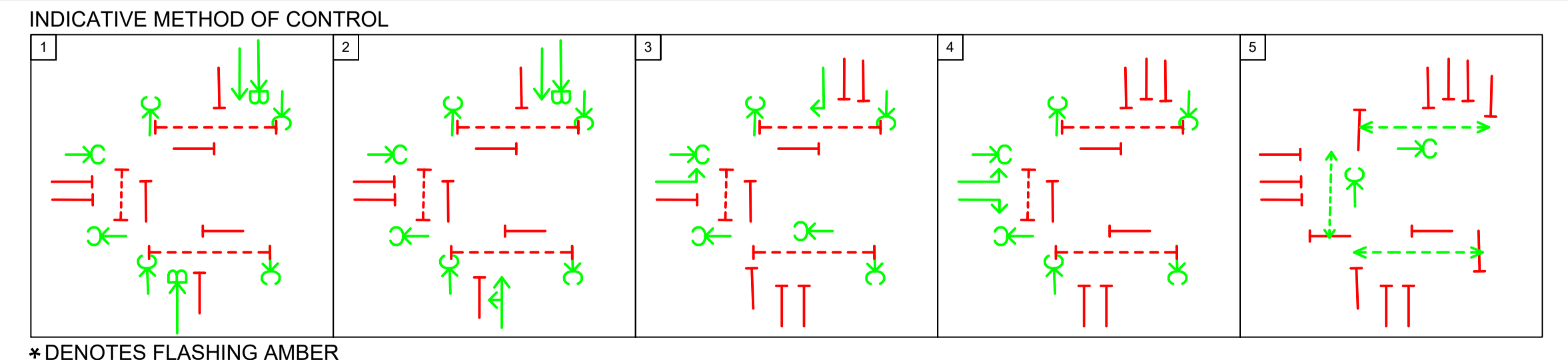
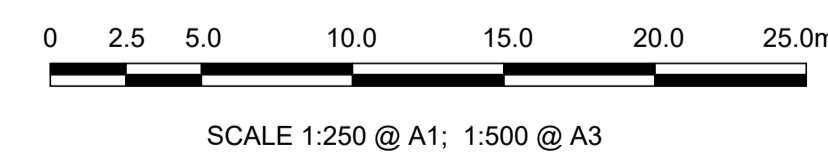
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- TRAFFIC SIGNAL HEADS:**
- RTS 002 (A) PRIMARY
  - RTS 002 (A) SECONDARY
  - RTS 002 (B) PRIMARY
  - RTS 002 (C) PRIMARY
  - RTS 002 (C) SECONDARY
  - RTS 002 (D) PRIMARY
  - RTS 002 (D) SECONDARY
  - RTS 003 (C) PRIMARY
  - RTS 003 (C) SECONDARY
  - 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)
- GENERAL:**
- SITE BOUNDARY LINE
  - TEMPORARY LAND ACQUISITION



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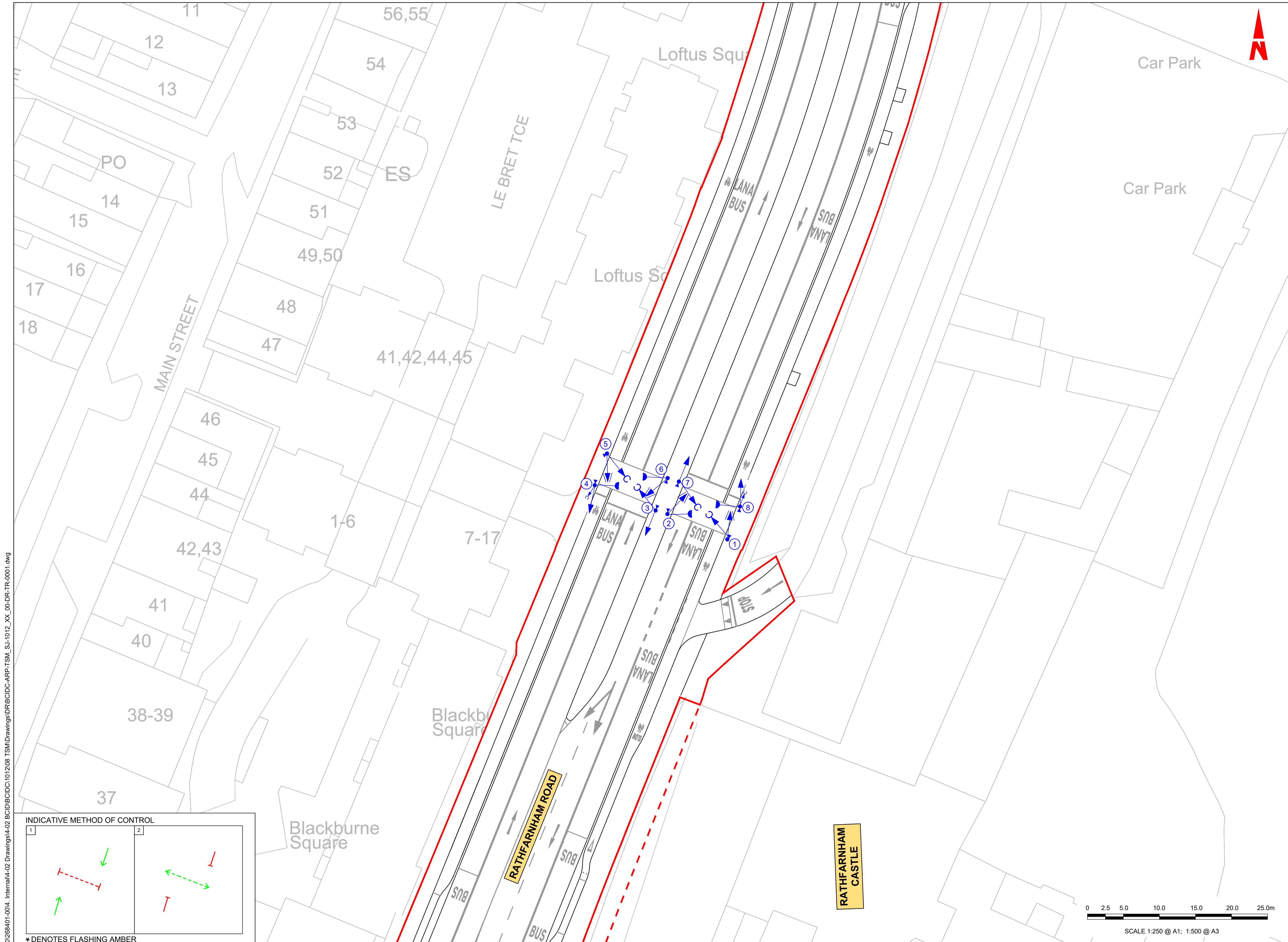
Rev	Date	Drn	Chk'd	App'd	Description
M01	27/01/2023	GMcT	TM	DC	ISSUE FOR PHASE 4: PLANNING

Client

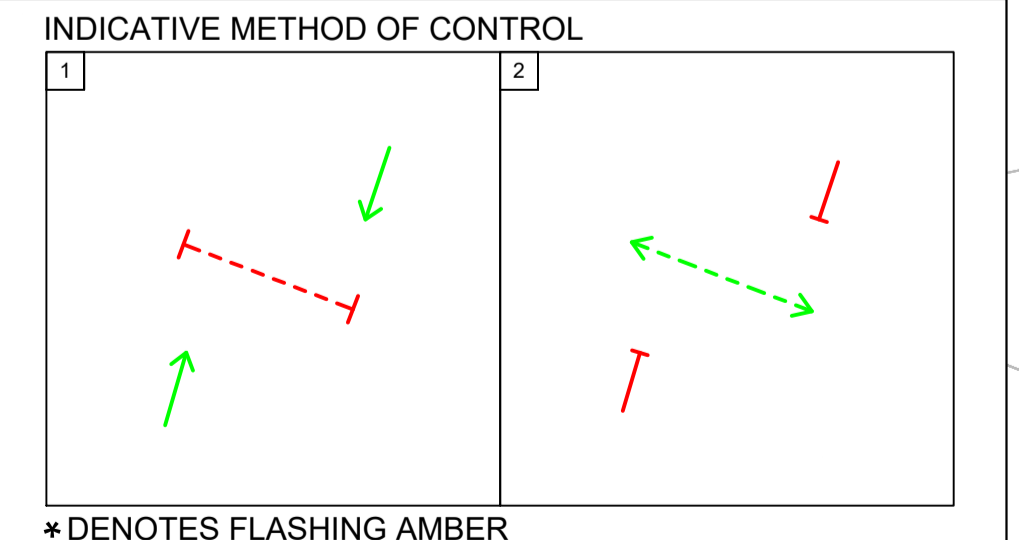
Engineering Designer

Programme Title		<b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>		
Drawing Title		TEMPLEOGUE / RATHFARNHAM TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN RATHFARNHAM ROAD / BUTTERFIELD AVENUE JUNCTION		
Drawing File Name	Sheet Number	Status	Rev	
BCIDC-ARP-TSM_SJ-1012_XX_00-DR-TR-0003	03 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)
  - GENERAL:**
    - SITE BOUNDARY LINE
    - TEMPORARY LAND ACQUISITION



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M01	27/01/2023	GMcT	TM	DC	ISSUE FOR PHASE 4: PLANNING

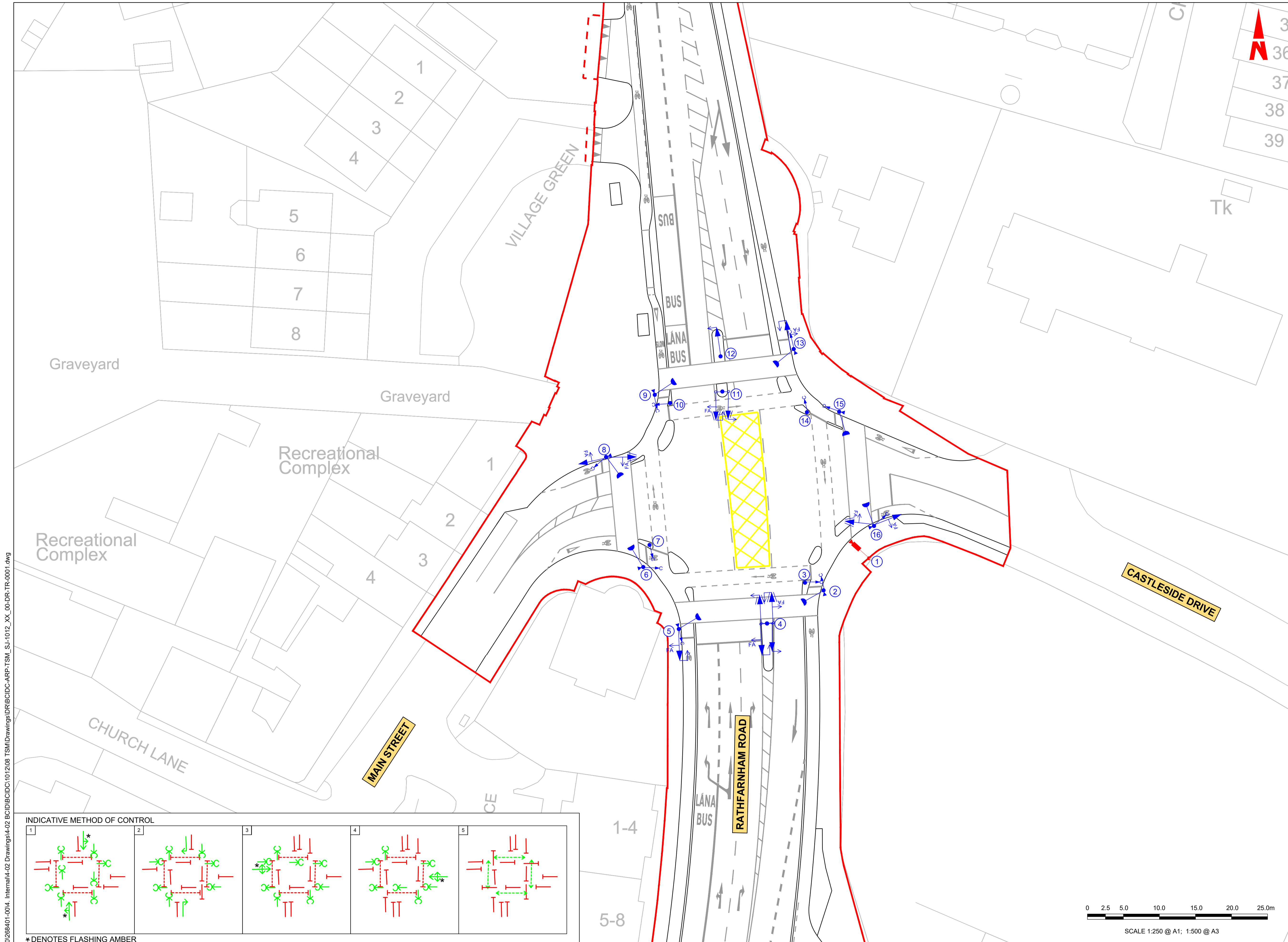
Client

Engineering Designer

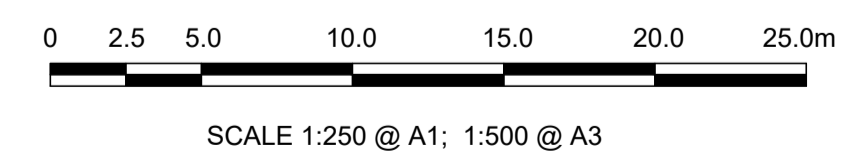
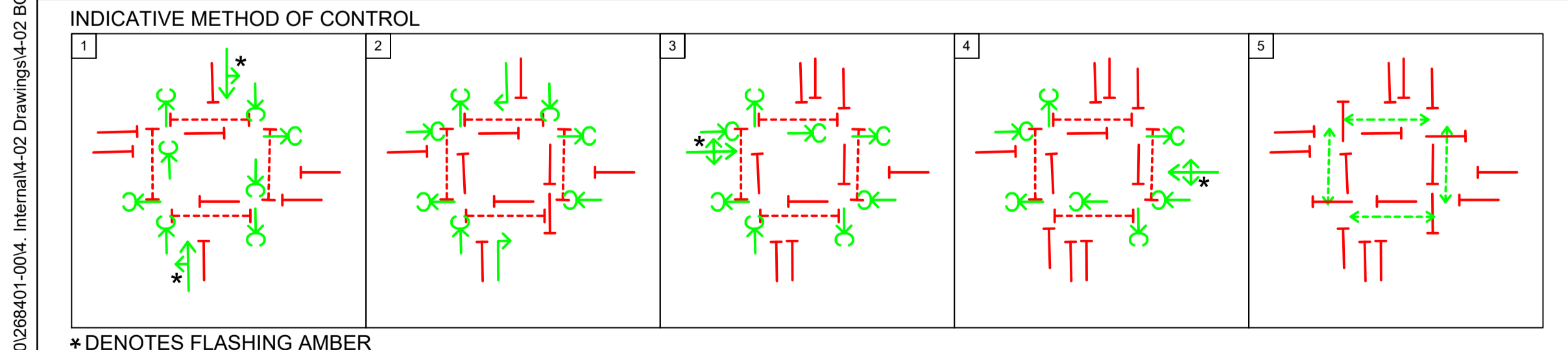
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<b>Drawing Title</b> TEMPLEOGUE / RATHFARNHAM TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN RATHFARNHAM ROAD PEDESTRIAN CROSSING				
Date	Scale	Drawn	Checked	Approved
27/01/2023	1:250 @ A1 1:500 @ A3	GMcT	TM	DC
Project Code	Originator Code	QMS Code	268401-00	
BCIDC	ARP			
Drawing File Name	Sheet Number	Status	Rev	
BCIDC-ARP-TSM_SJ-1012_XX_00-DR-TR-0004	04 of 47	A	M01	

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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- 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:**
- PAN / TILT / ZOOM CCTV CAMERA
  - 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	27/01/2023	GMcT	TM	DC	ISSUE FOR PHASE 4: PLANNING

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

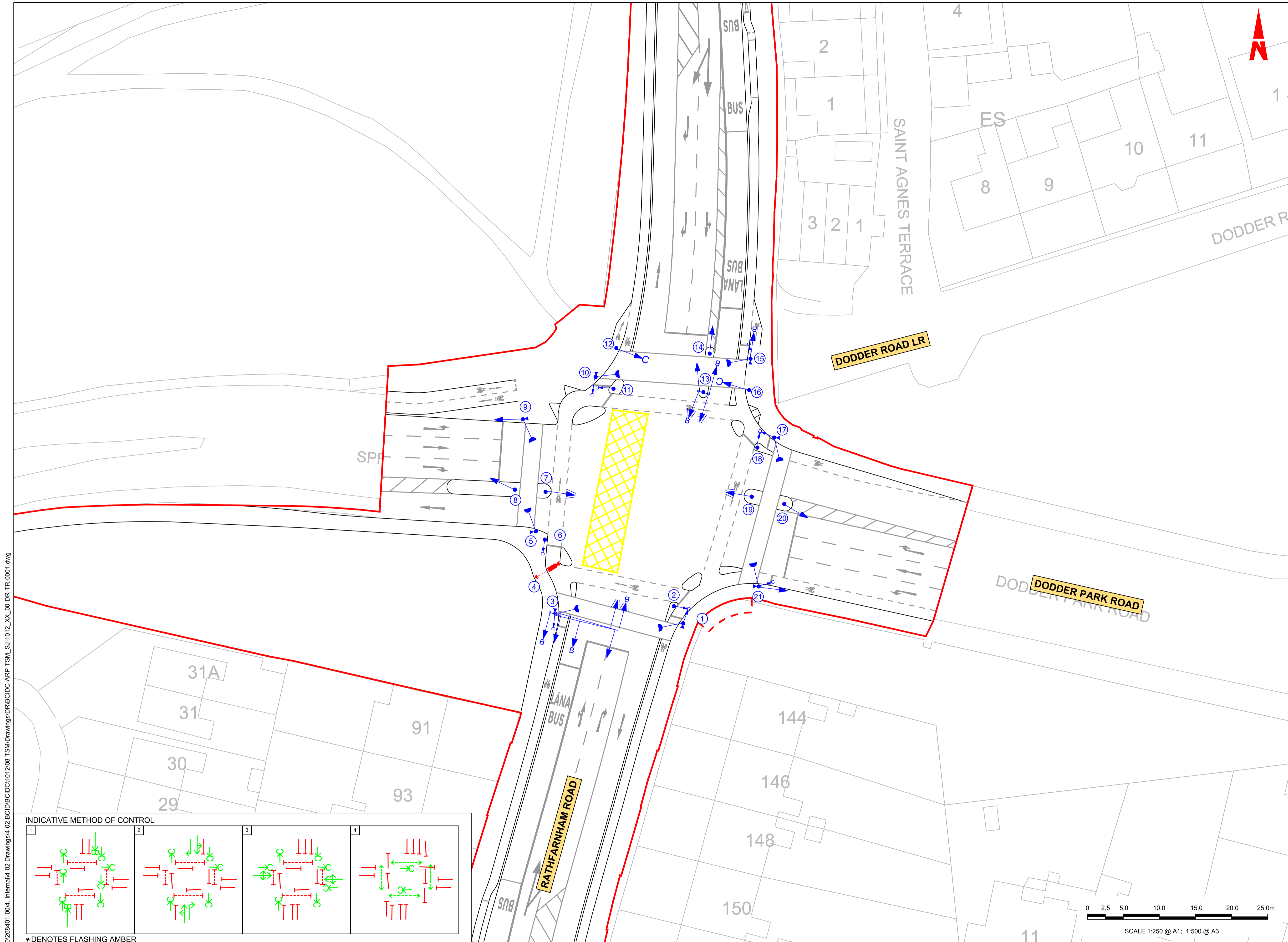
Engineering Designer: **ARUP**

Date	27/01/2023	Scale	1:250 @ A1 1:500 @ A3	Drawn	GMcT	Checked	TM	Approved	DC
Project Code	BCIDC	Originator Code	ARP	QMS Code	268401-00				

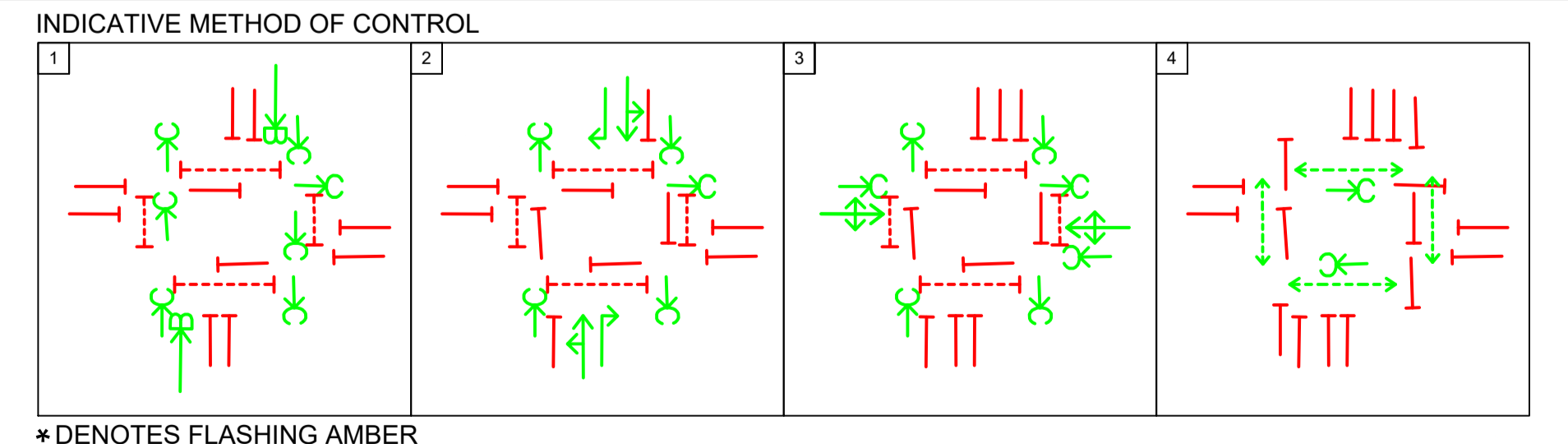
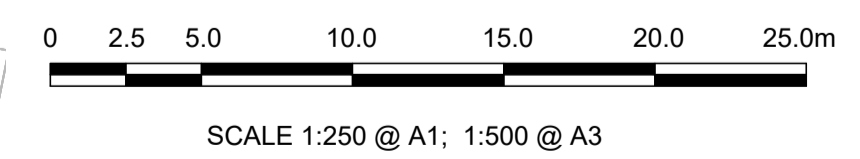
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Drawing Title TEMPLEOGUE / RATHFARNHAM TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN RATHFARNHAM ROAD / CASTLESIDE DRIVE JUNCTION			
Drawing File Name	BCIDC-ARP-TSM_SJ-1012_XX_00-DR-TR-0005	Sheet Number	05 of 47
Status	A	Rev	M01

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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 001 PRIMARY
  - RTS 001 SECONDARY
  - RTS 002 (D) PRIMARY
  - RTS 002 (D) SECONDARY
  - RTS 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 (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	27/01/2023	GMcT	TM	DC	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **ARUP**

Date: 27/01/2023 | Scale: 1:250 @ A1, 1:500 @ A3 | Drawn: GMcT | Checked: TM | Approved: DC

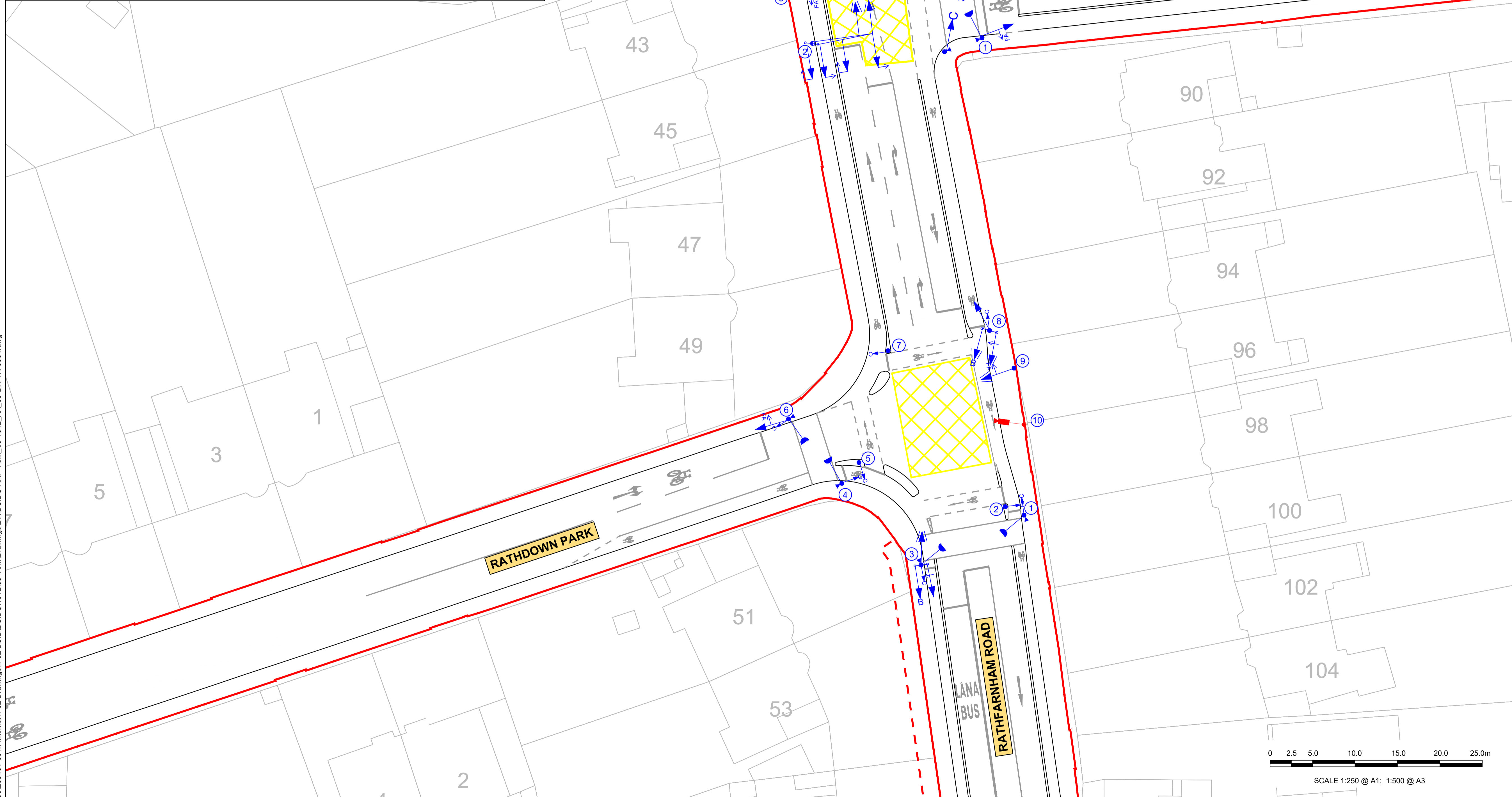
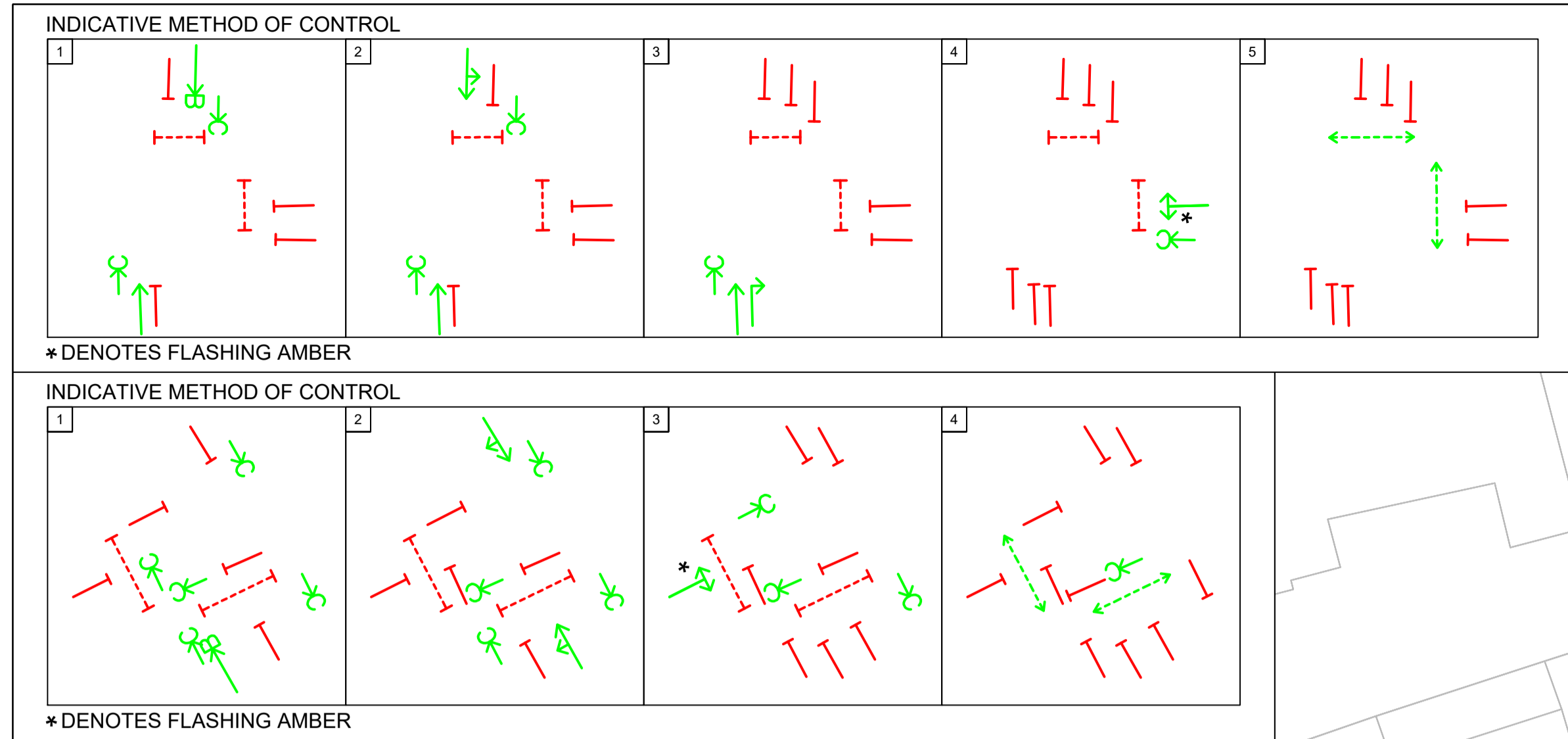
Project Code: BCIDC | Originator Code: ARP | QMS Code: 268401-00

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

Drawing Title: TEMPLEOGUE / RATHFARNHAM TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN RATHFARNHAM ROAD / DODDER VIEW ROAD JUNCTION

Drawing File Name: BCIDC-ARP-TSM_SJ-1012_XX_00-DR-TR-0006	Sheet Number: 06 of 47	Status: A	Rev: M01
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DO NOT SCALE USE FIGURED DIMENSIONS ONLY



- 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 003 (C) PRIMARY
  - RTS 003 (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:**
- PAN / TILT / ZOOM CCTV CAMERA
  - TALL POLE (CCTV/TRAFFIC SIGNALS)
  - MAST ARM (VARIABLE LENGTH)
  - PUSH BUTTON UNIT
  - POLE (STANDARD HEIGHT)
- GENERAL:**
- SITE BOUNDARY LINE
  - TEMPORARY LAND ACQUISITION

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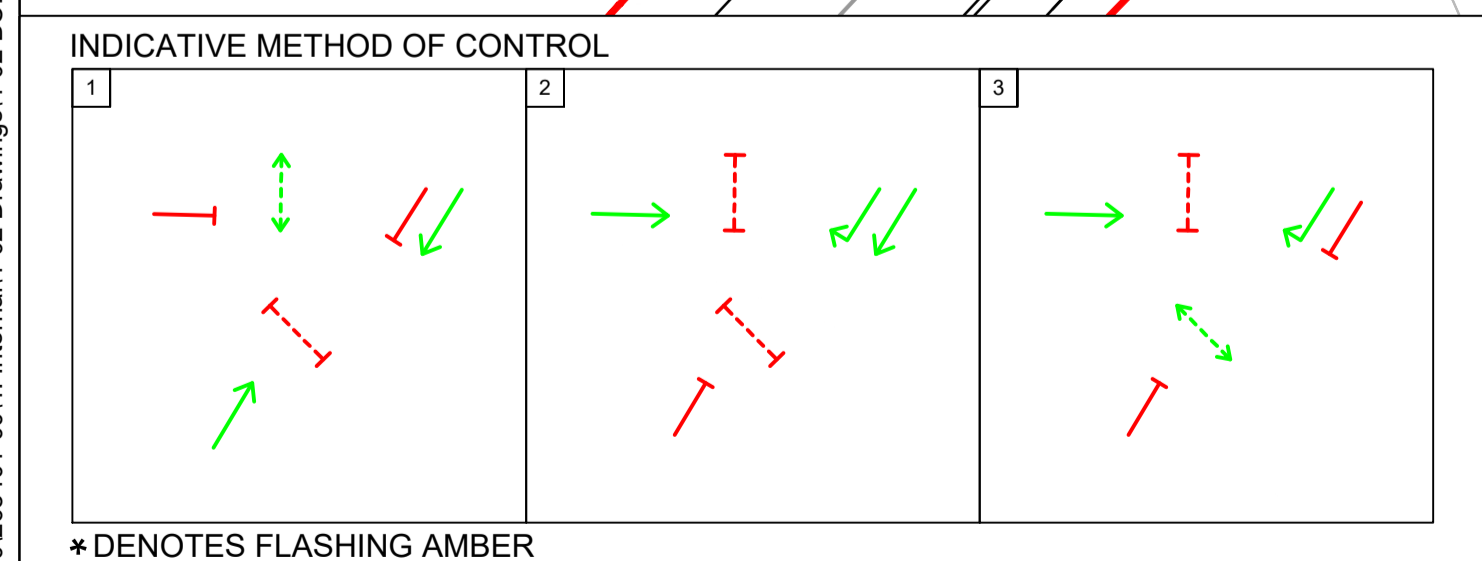
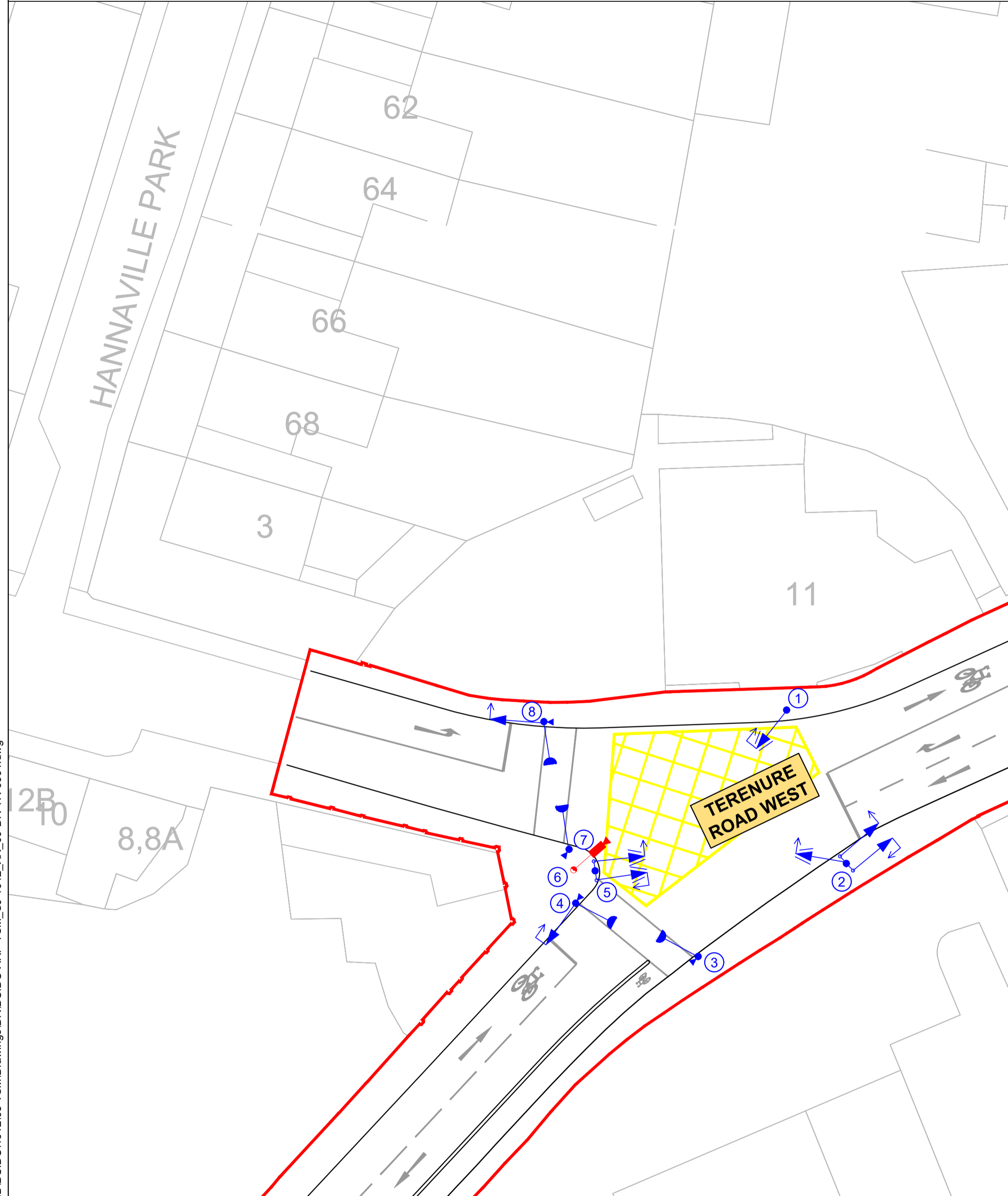
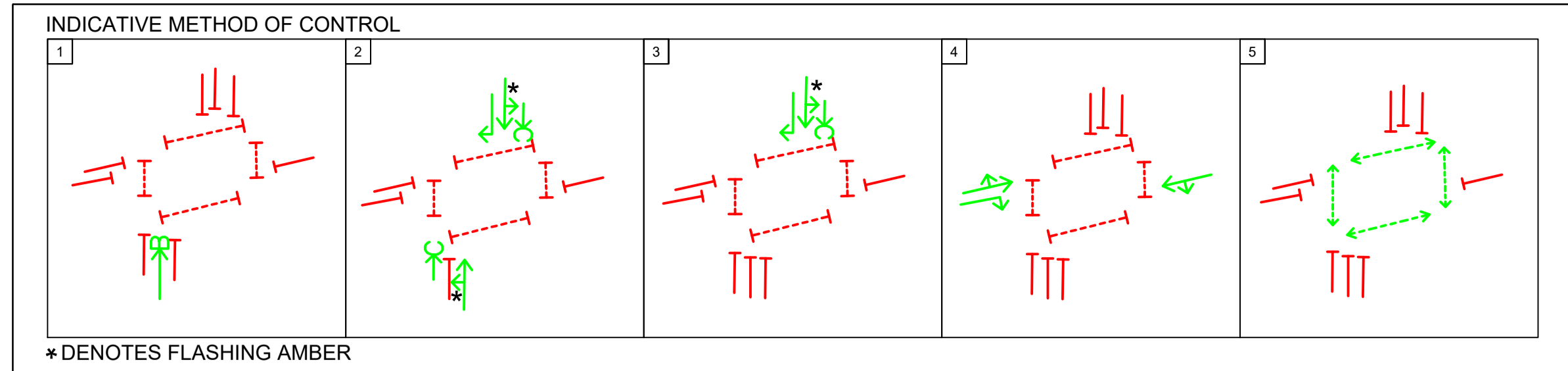
Rev	Date	Drn	Chk'd	App'd	Description
M01	27/01/2023	GMcT	TM	DC	ISSUE FOR PHASE 4: PLANNING

Client

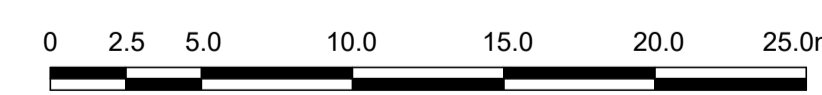
Engineering Designer

Programme Title		<b>BUSCONNECTS DUBLIN</b>	
		<b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>	
Drawing Title			
TEMPLEOGUE / RATHFARNHAM TO CITY CENTRE CORE BUS CORRIDOR SCHEME			
JUNCTION SYSTEMS DESIGN			
RATHFARNHAM ROAD / RATHDOWN PARK & RATHFARNHAM ROAD / BUSHY PARK ROAD JUNCTION			
Drawing File Name	Sheet Number	Status	Rev
BCIDC-ARP-TSM_SJ-1012_XX_00-DR-TR-0007	07 of 47	A	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 003 (H) PRIMARY
  - RTS 003 (H) SECONDARY
  - RTS 004 PRIMARY
  - RTS 004 SECONDARY
  - RTS 007 (HIGH LEVEL) PRIMARY
  - RTS 007 (LOW LEVEL) PRIMARY
  - RPC 004 PEDESTRIAN HEAD
- TRAFFIC SIGNAL EQUIPMENT:**
- MAST ARM (VARIABLE LENGTH)
  - PAN / TILT / ZOOM CCTV CAMERA
  - TALL POLE (CCTV/TRAFFIC SIGNALS)
  - PUSH BUTTON UNIT
  - POLE (STANDARD HEIGHT)
- GENERAL:**
- SITE BOUNDARY LINE
  - TEMPORARY LAND ACQUISITION



SCALE 1:250 @ A1; 1:500 @ A3

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Rev	Date	Drn	Chk'd	App'd	Description
M01	27/01/2023	GMcT	TM	DC	ISSUE FOR PHASE 4: PLANNING

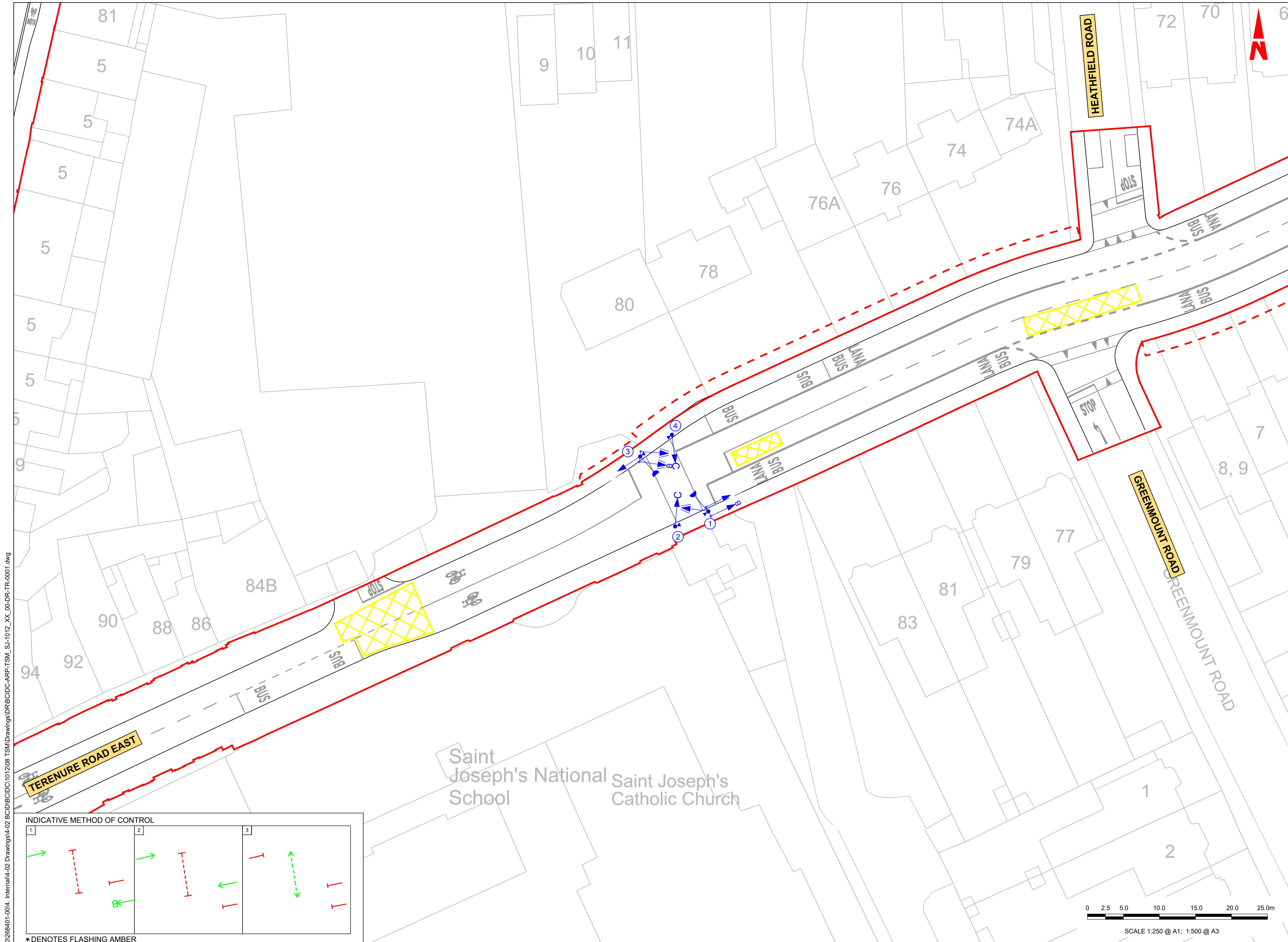
Client

Engineering Designer

Programme Title		<b>BUSCONNECTS DUBLIN</b>		
		<b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>		
Drawing Title				
TEMPLEOGUE / RATHFARNHAM TO CITY CENTRE CORE BUS CORRIDOR SCHEME				
JUNCTION SYSTEMS DESIGN				
RATHFARNHAM ROAD / TERENURE ROAD EAST JUNCTION				
Drawing File Name	Sheet Number	Status	Rev	
BCIDC-ARP-TSM_SJ-1012_XX_00-DR-TR-0008	08 of 47	A	M01	

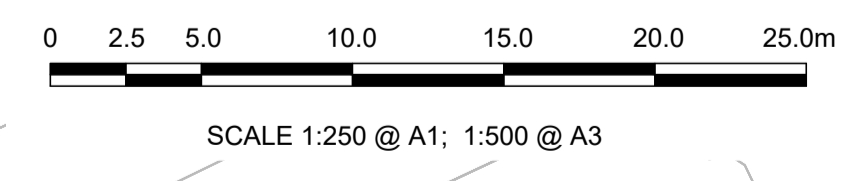
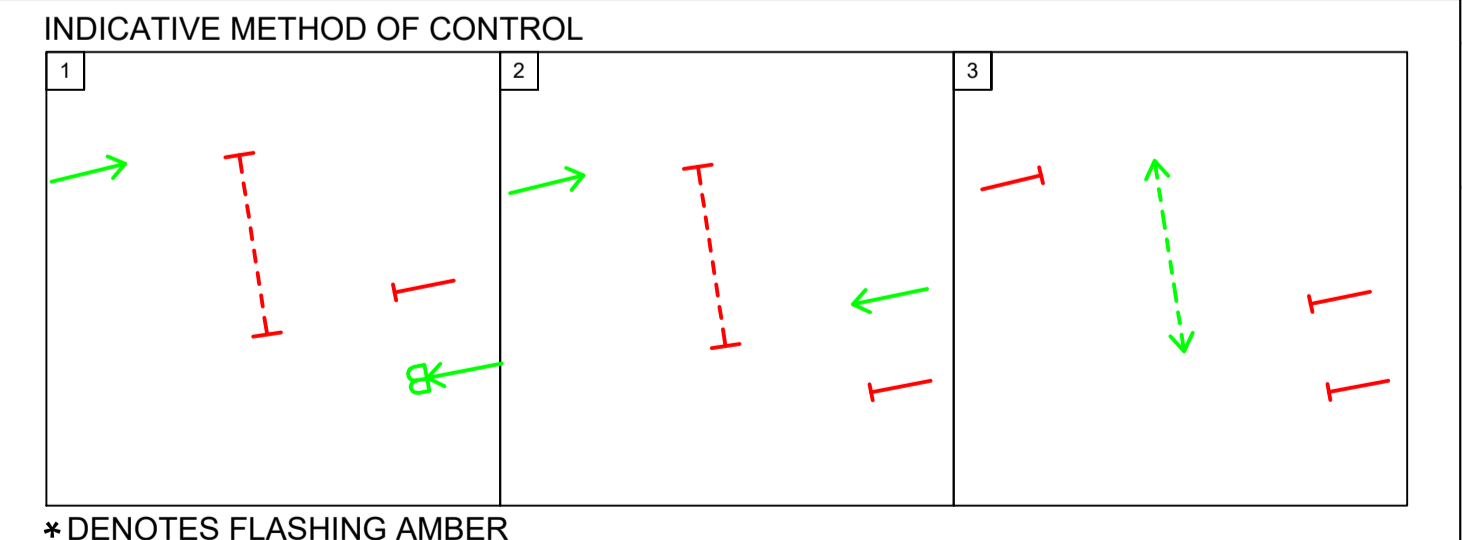
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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
    - RTS 001 PRIMARY
    - RTS 001 SECONDARY
    - RTS 002 (D) PRIMARY
    - RTS 002 (D) SECONDARY
    - RPC 004 PEDESTRIAN HEAD
    - RTS 007 (HIGH LEVEL) PRIMARY
  - TRAFFIC SIGNAL EQUIPMENT:**
    - PUSH BUTTON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

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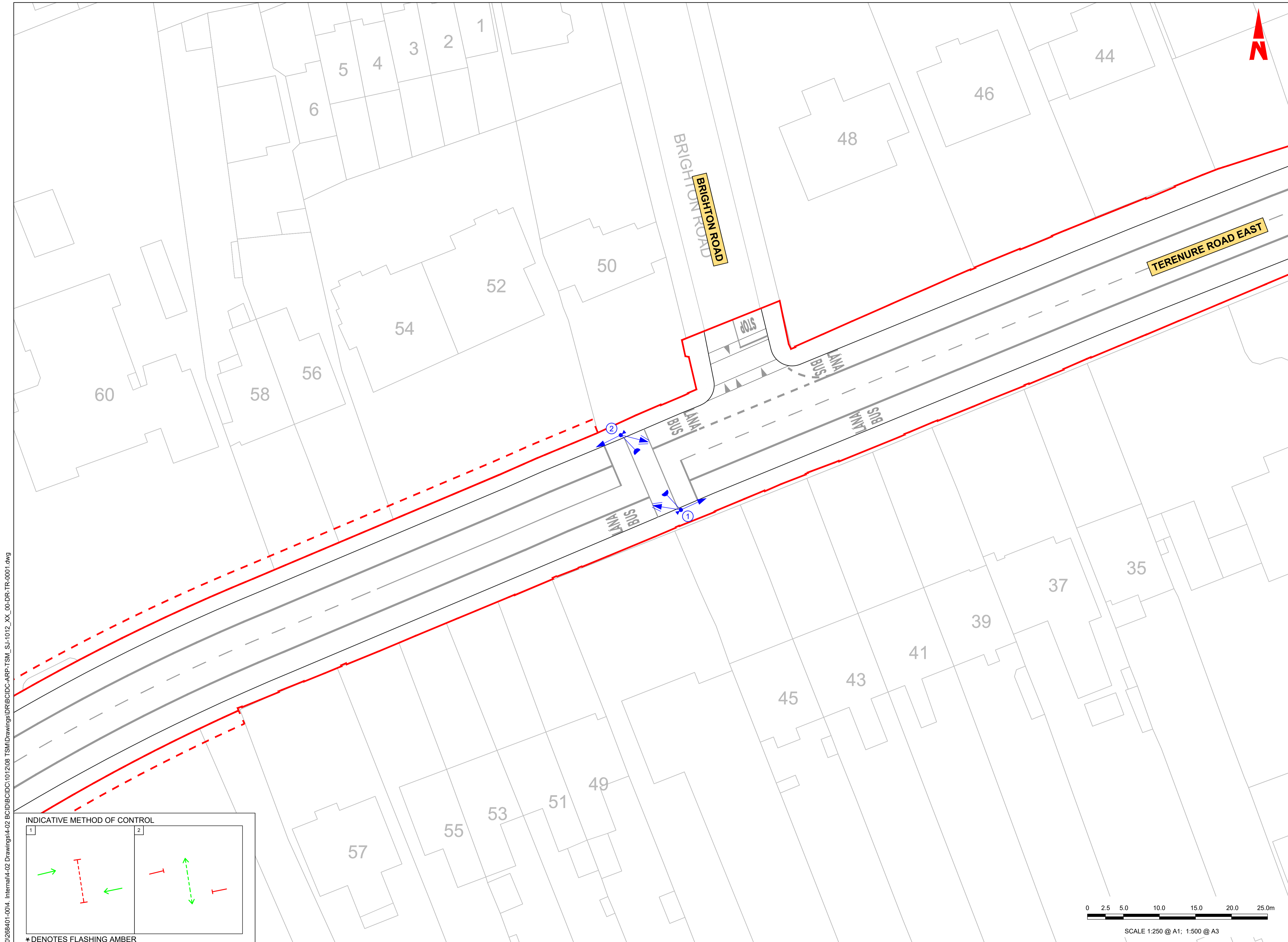
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M01	27/01/2023	GMcT	TM	DC	ISSUE FOR PHASE 4: PLANNING

Client

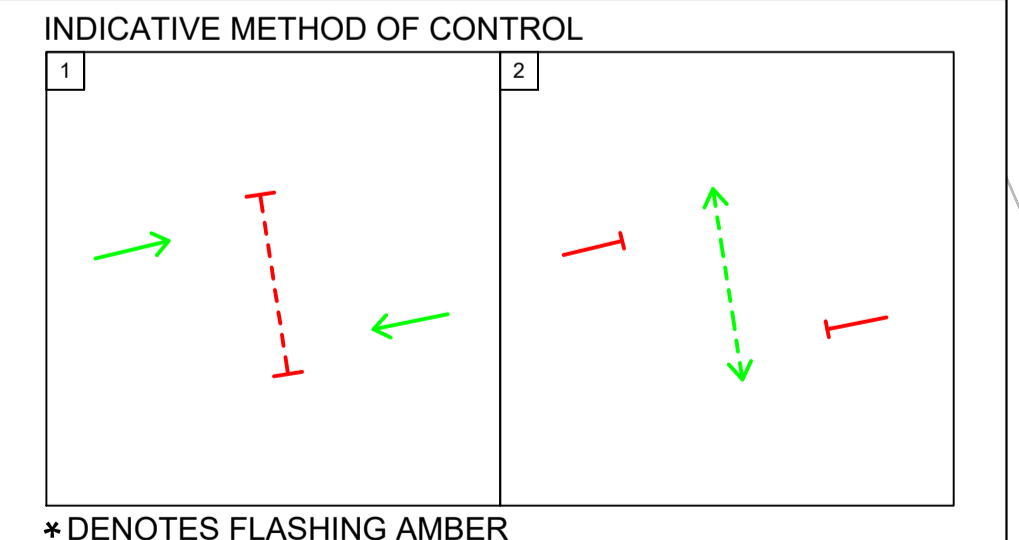
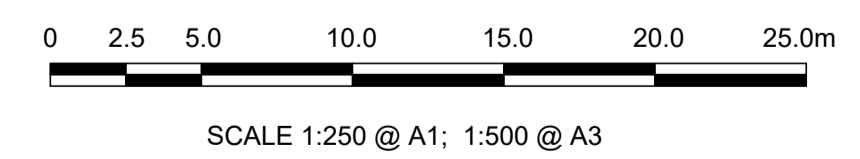
Engineering Designer

Programme Title		<b>BUSCONNECTS DUBLIN</b>		
		<b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>		
Drawing Title				
TEMPLEOGUE / RATHFARNHAM TO CITY CENTRE CORE BUS CORRIDOR SCHEME				
JUNCTION SYSTEMS DESIGN				
TERENURE ROAD EAST PEDESTRIAN CROSSING				
Drawing File Name	Sheet Number	Status	Rev	
BCIDC-ARP-TSM_SJ-1012_XX_00-DR-TR-0009	09 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)
  - GENERAL:**
    - SITE BOUNDARY LINE
    - TEMPORARY LAND ACQUISITION



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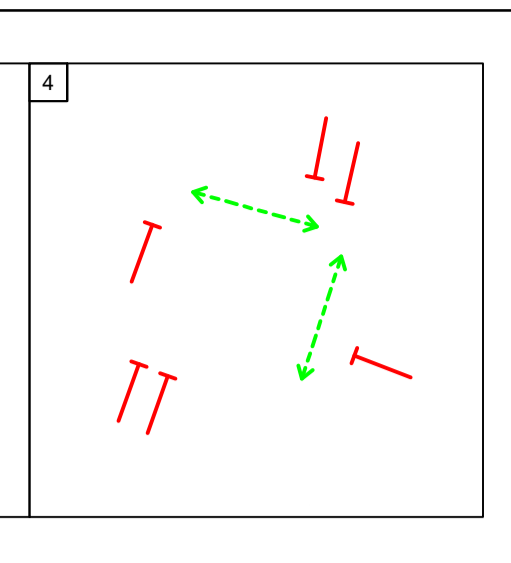
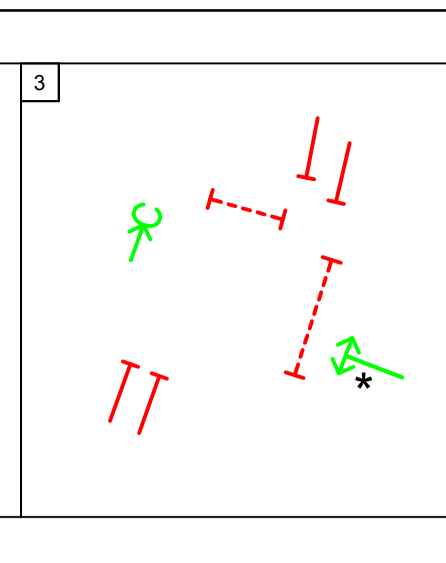
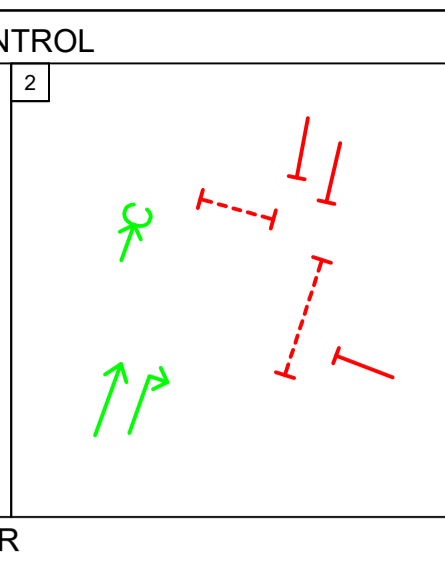
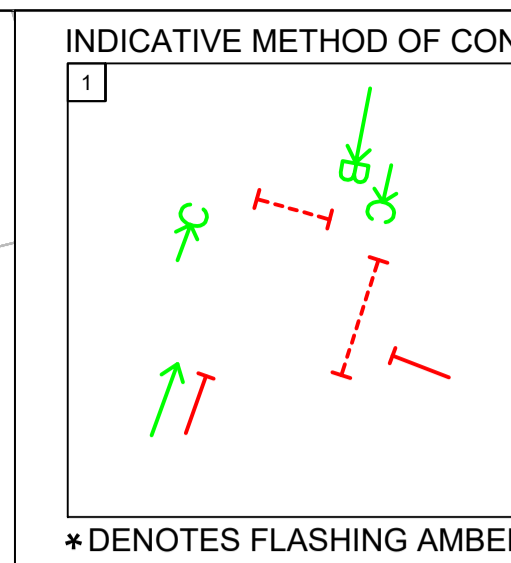
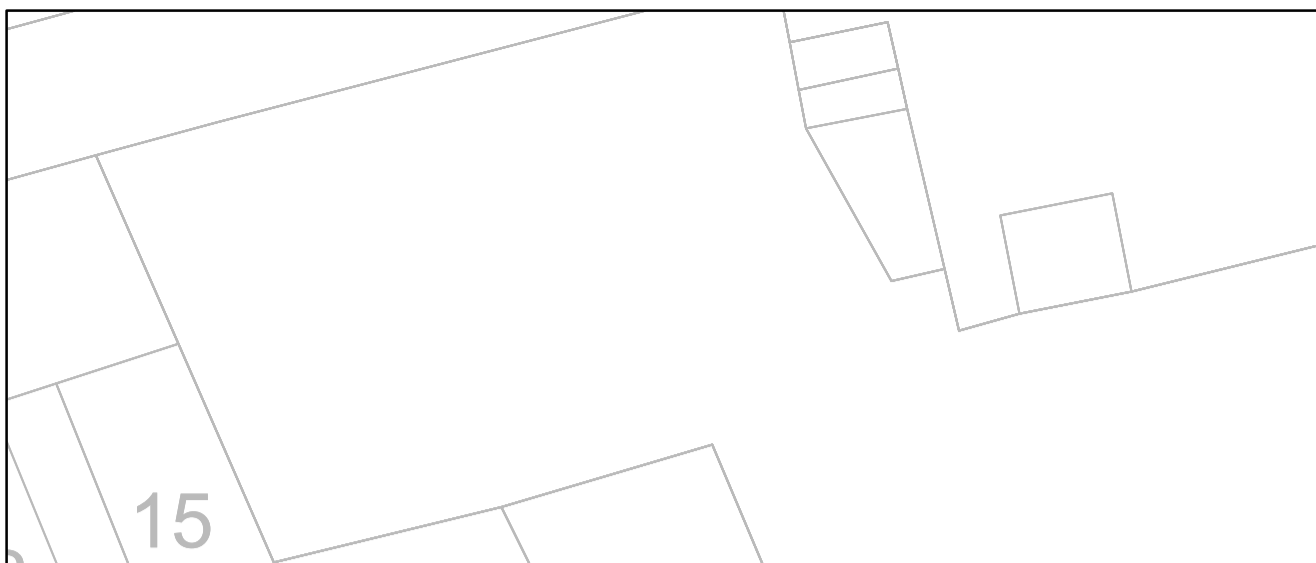
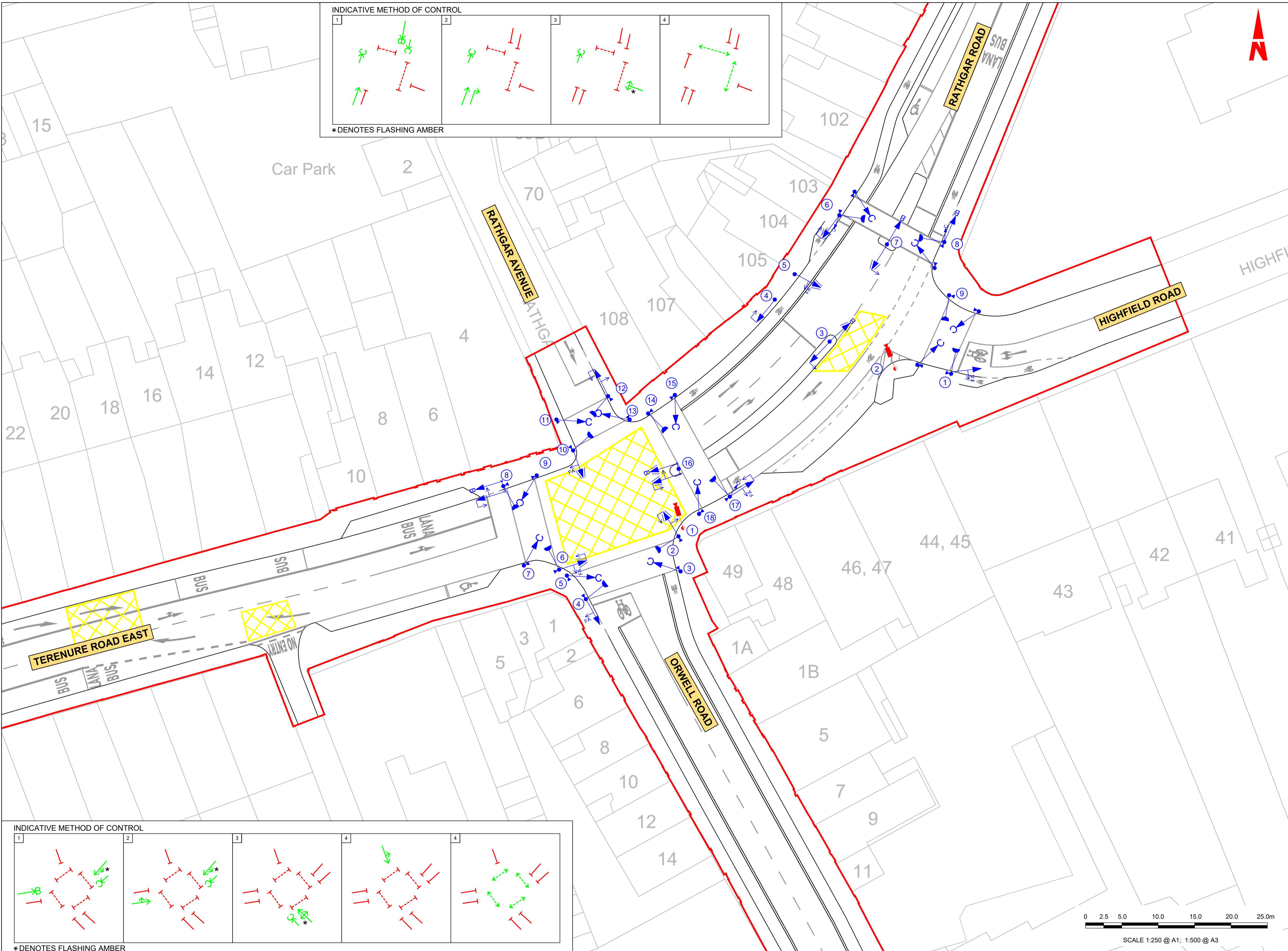
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M01	27/01/2023	GMcT	TM	DC	ISSUE FOR PHASE 4: PLANNING

Client

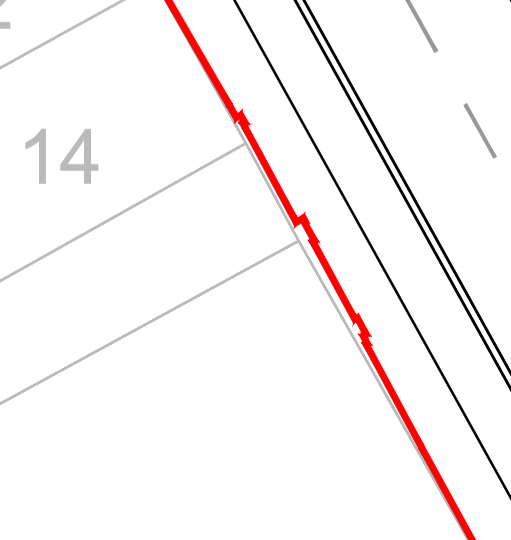
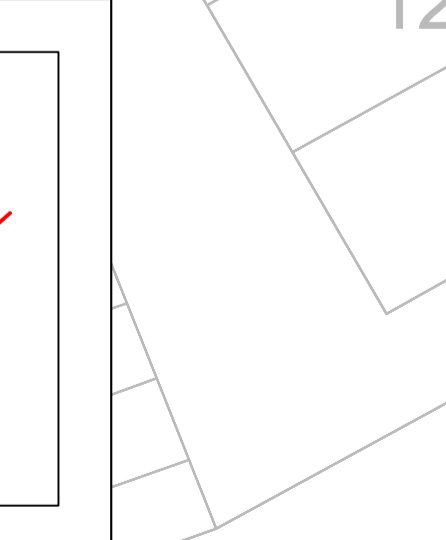
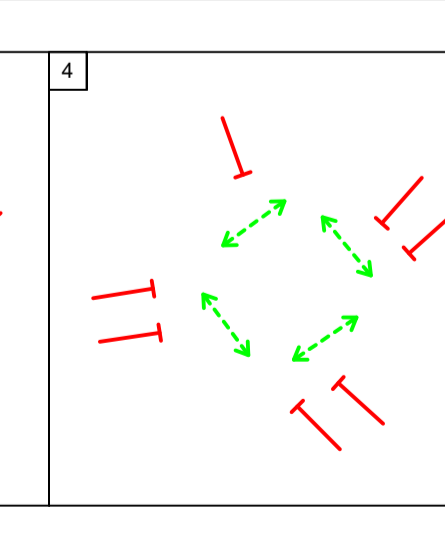
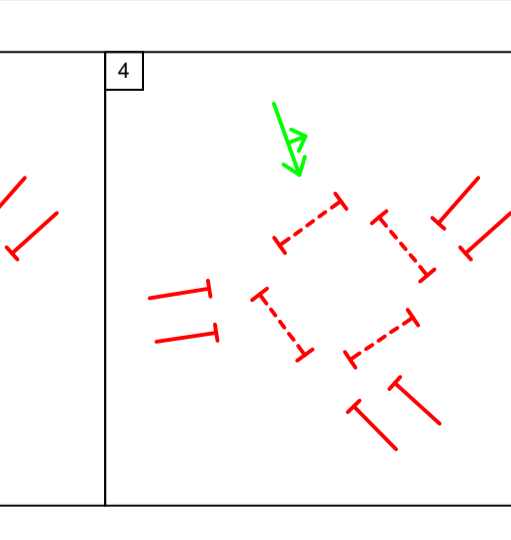
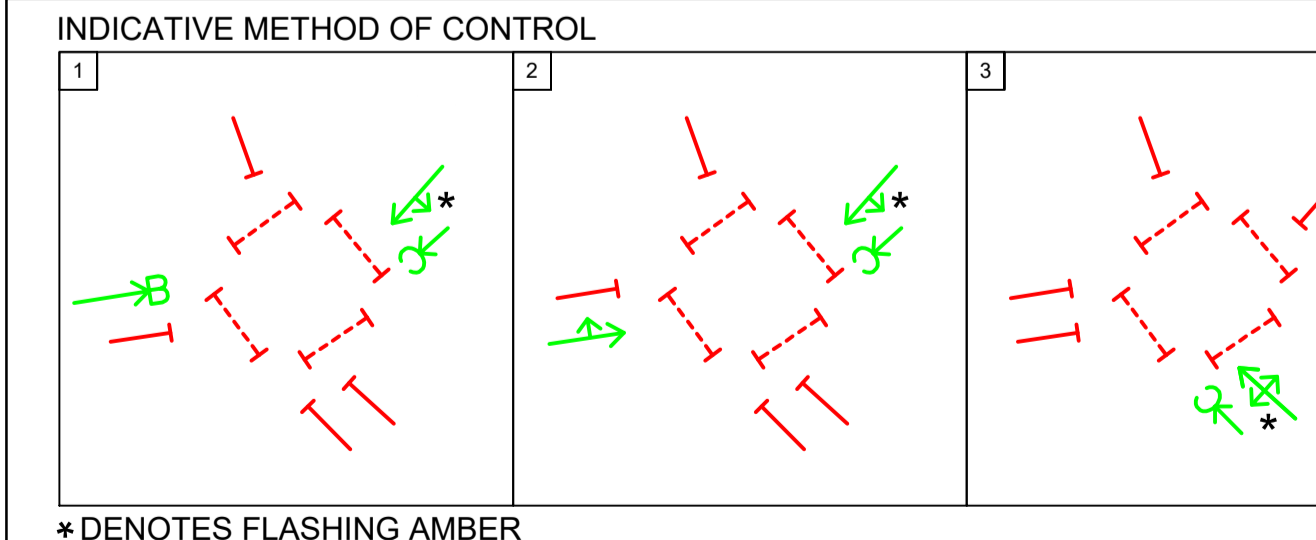
Engineering Designer

Programme Title		<b>BUSCONNECTS DUBLIN</b>		
		<b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>		
Drawing Title				
TEMPLEOGUE / RATHFARNHAM TO CITY CENTRE CORE BUS CORRIDOR SCHEME				
JUNCTION SYSTEMS DESIGN				
TERENURE ROAD EAST PEDESTRIAN CROSSING				
Drawing File Name	Sheet Number	Status	Rev	
BCIDC-ARP-TSM_SJ-1012_XX_00-DR-TR-0010	10 of 47	A	M01	

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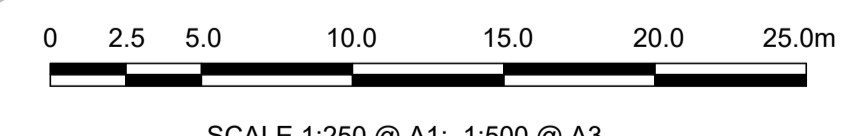


\* DENOTES FLASHING AMBER



\* DENOTES FLASHING AMBER

- 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 003 (H) PRIMARY
  - RTS 003 (H) 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)
- GENERAL:**
- SITE BOUNDARY LINE
  - TEMPORARY LAND ACQUISITION



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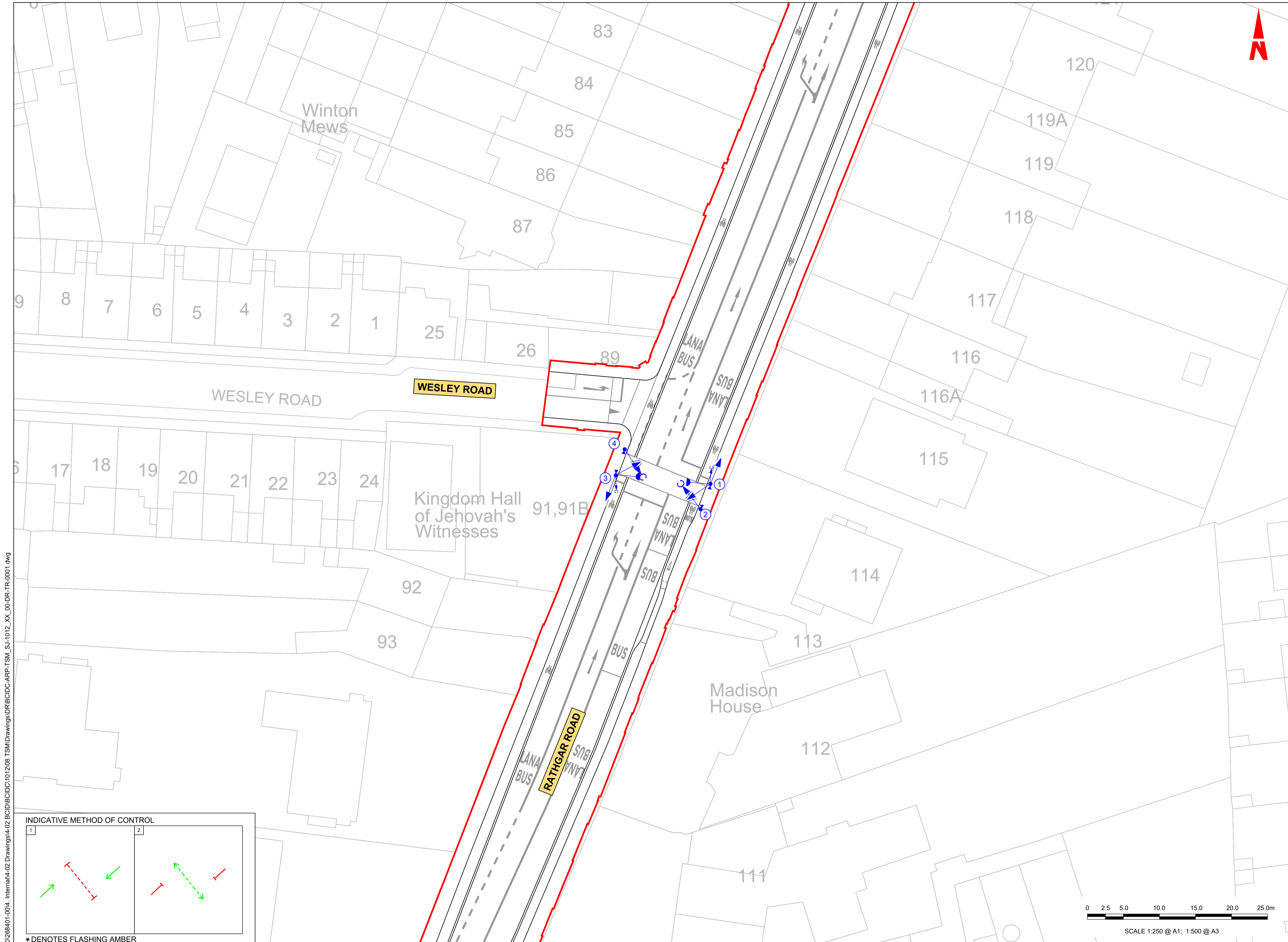
Rev	Date	Drn	Chk'd	App'd	Description
M01	27/01/2023	GMcT	TM	DC	ISSUE FOR PHASE 4: PLANNING

Client

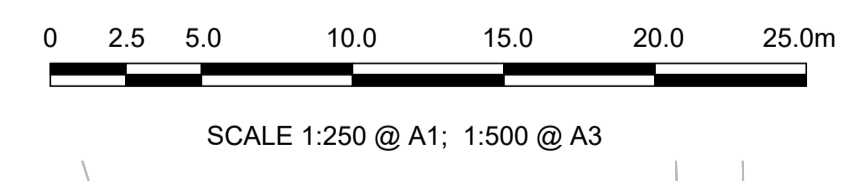
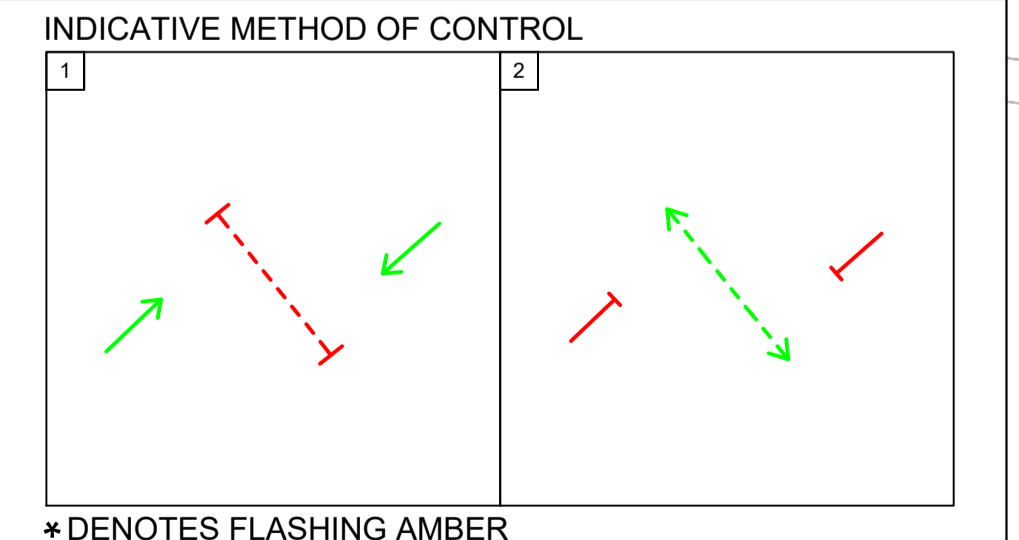
Engineering Designer

Programme Title		<b>BUSCONNECTS DUBLIN</b>	
		<b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>	
Drawing Title			
TEMPLEOGUE / RATHFARNHAM TO CITY CENTRE CORE BUS CORRIDOR SCHEME			
JUNCTION SYSTEMS DESIGN			
TERENURE ROAD EAST / ORWELL ROAD JUNCTION			
Drawing File Name	Sheet Number	Status	Rev
BCIDC-ARP-TSM_SJ-1012_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
  - RTS 007 (LOW LEVEL) PRIMARY
  - RPC 004 PEDESTRIAN HEAD
- TRAFFIC SIGNAL EQUIPMENT:**
- 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	27/01/2023	GMcT	TM	DC	ISSUE FOR PHASE 4: PLANNING

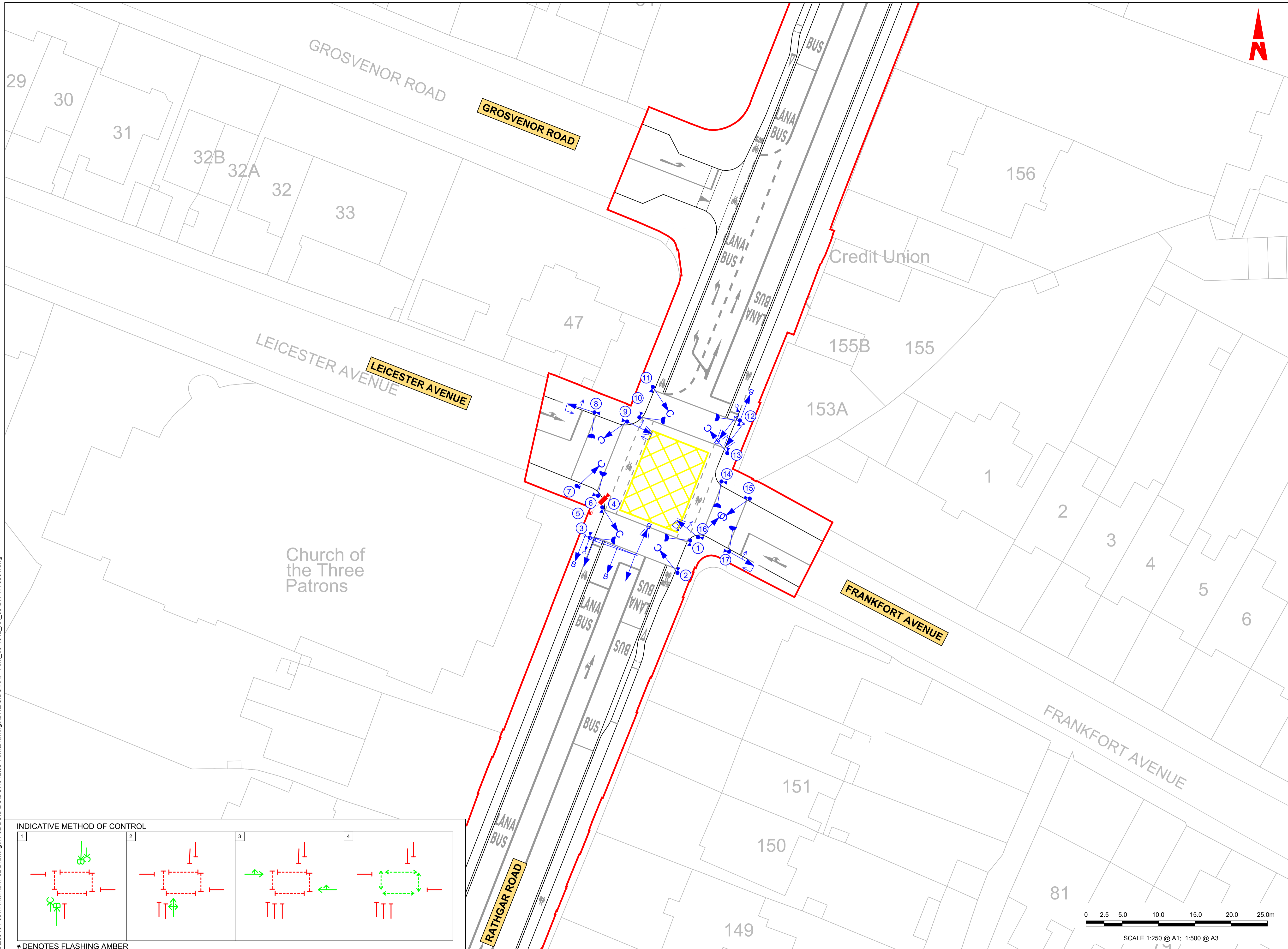
Client

Engineering Designer

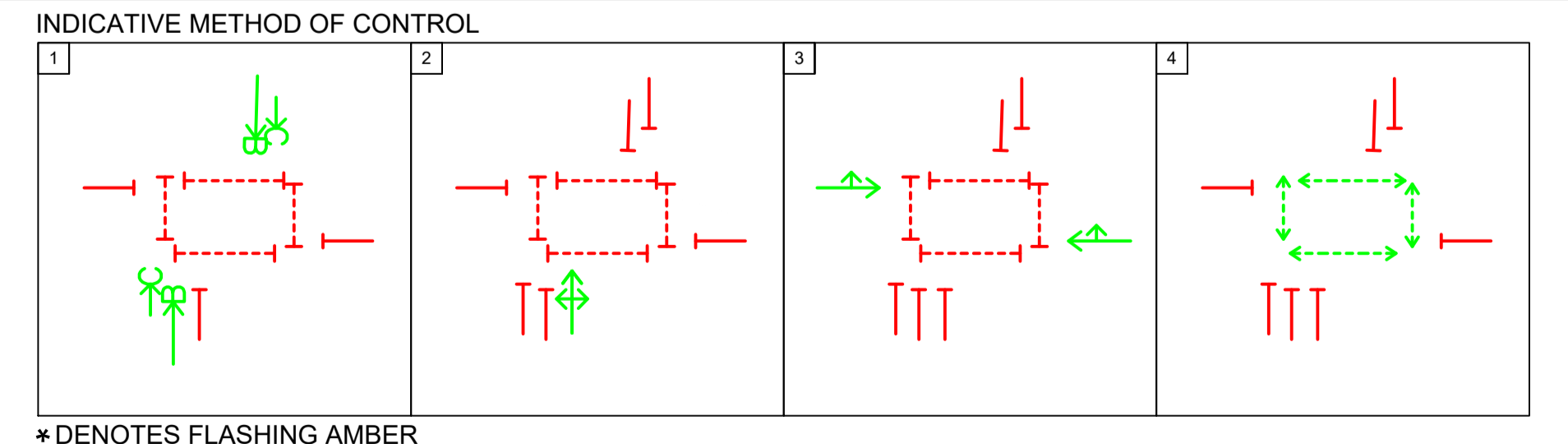
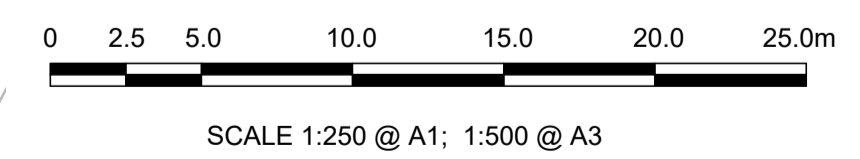
<b>Programme Title</b> <b>BUSCONNECTS DUBLIN</b> <b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
<b>Drawing Title</b> TEMPLEOGUE / RATHFARNHAM TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN RATHGAR ROAD / WINTON AVENUE JUNCTION				
<b>Date</b> 27/01/2023	<b>Scale</b> 1:250 @ A1 1:500 @ A3	<b>Drawn</b> GMcT	<b>Checked</b> TM	<b>Approved</b> DC
<b>Project Code</b> BCIDC	<b>Originator Code</b> ARP	<b>QMS Code</b> 268401-00	<b>Drawing File Name</b> BCIDC-ARP-TSM_SJ-1012_XX_00-DR-TR-0012	<b>Sheet Number</b> 12 of 47
			<b>Status</b> A	<b>Rev</b> 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 007 (HIGH LEVEL) PRIMARY
  - RTS 007 (LOW LEVEL) PRIMARY
  - RPC 004 PEDESTRIAN HEAD
- TRAFFIC SIGNAL EQUIPMENT:**
- MAST ARM (VARIABLE LENGTH)
  - PAN / TILT / ZOOM CCTV CAMERA
  - TALL POLE (CCTV/TRAFFIC SIGNALS)
  - POLE (STANDARD HEIGHT)
  - PUSH BUTTON UNIT
- GENERAL:**
- SITE BOUNDARY LINE
  - TEMPORARY LAND ACQUISITION



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Rev	Date	Drn	Chk'd	App'd	Description
M01	27/01/2023	GMcT	TM	DC	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **ARUP**

Date: 27/01/2023 | Scale: 1:250 @ A1, 1:500 @ A3 | Drawn: GMcT | Checked: TM | Approved: DC

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

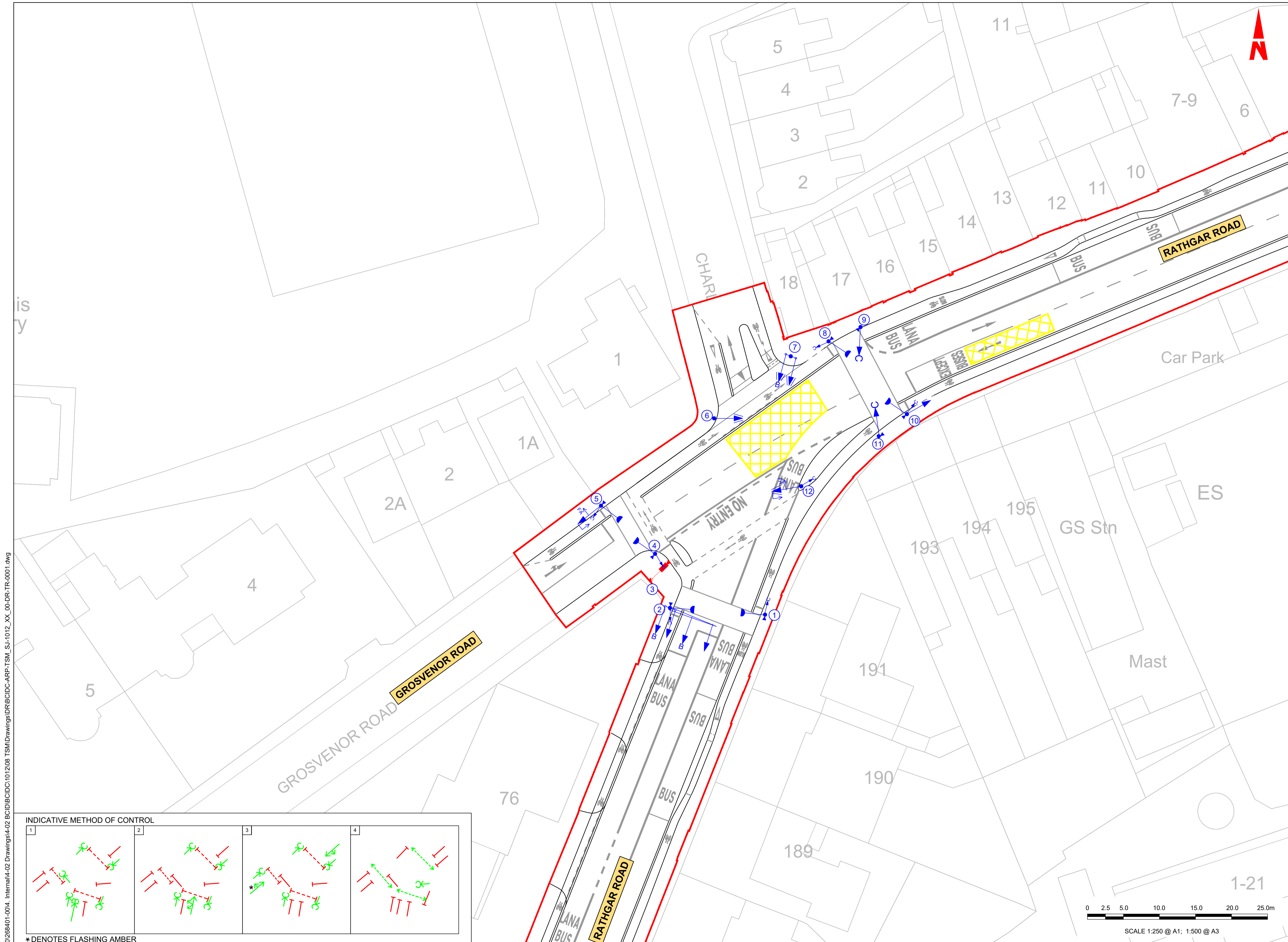
Programme Title: **BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS**

Drawing Title: TEMPLEOGUE / RATHFARNHAM TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN RATHGAR ROAD / LEICESTER AVENUE JUNCTION

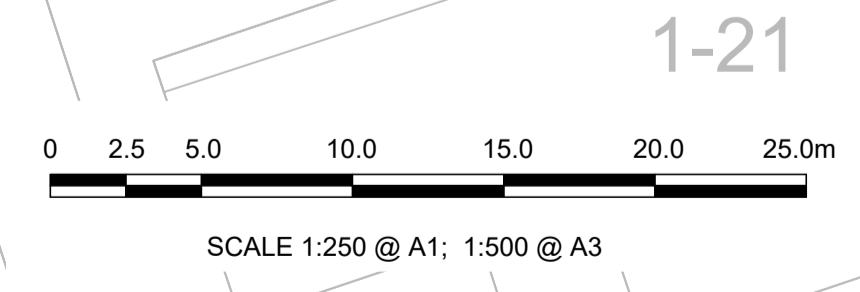
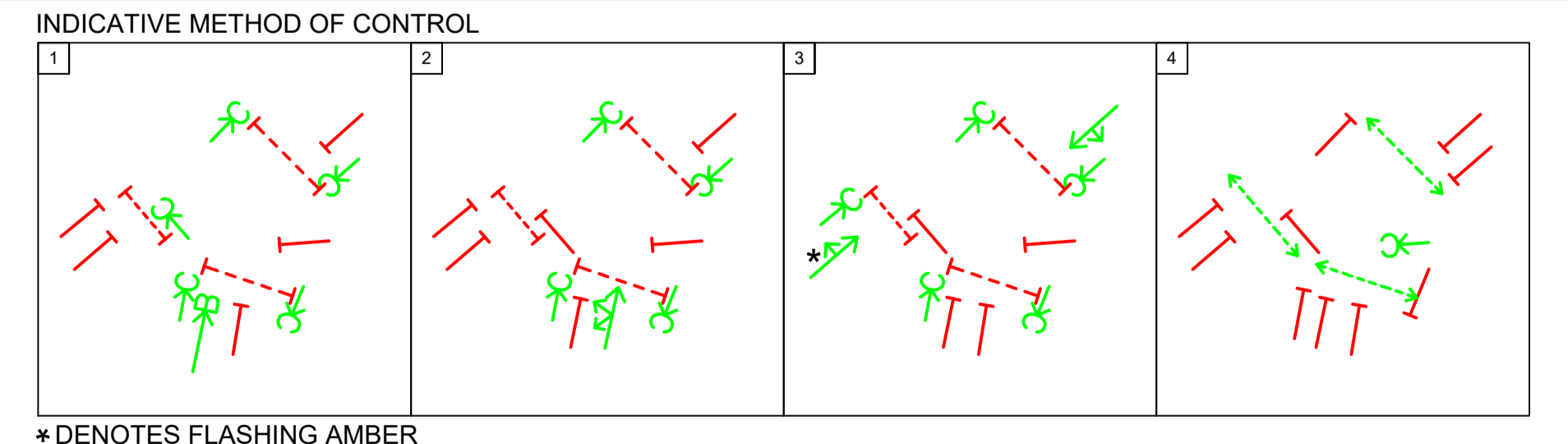
Drawing File Name: BCIDC-ARP-TSM_SJ-1012_XX_00-DR-TR-0013	Sheet Number: 13 of 47	Status: A	Rev: M01
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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 001 PRIMARY
  - RTS 001 SECONDARY
  - RTS 002 (D) PRIMARY
  - RTS 002 (D) SECONDARY
  - RTS 004 PRIMARY
  - 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
  - MAST ARM (VARIABLE LENGTH)
  - 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	27/01/2023	GMcT	TM	DC	ISSUE FOR PHASE 4: PLANNING

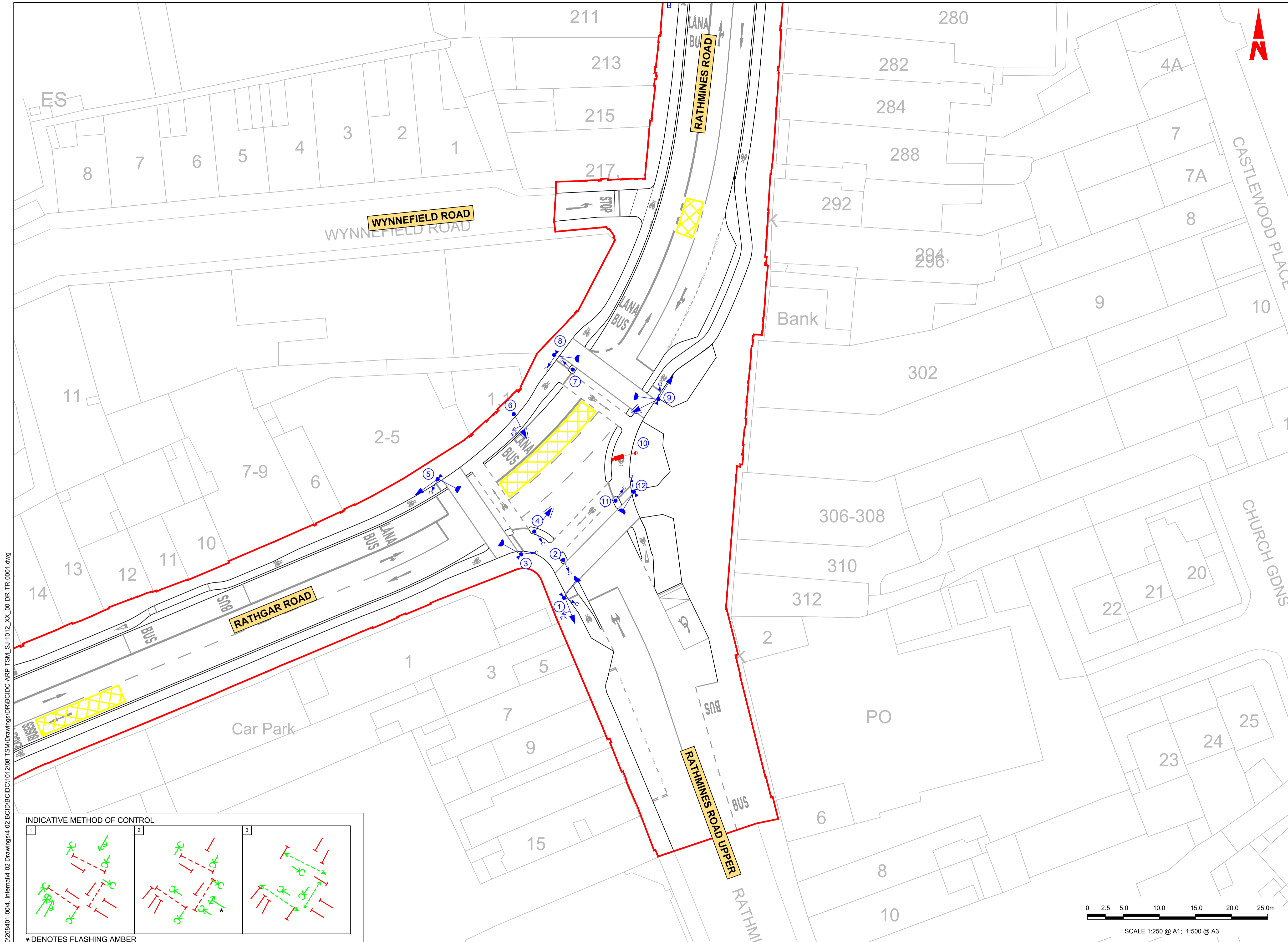
Client

Engineering Designer

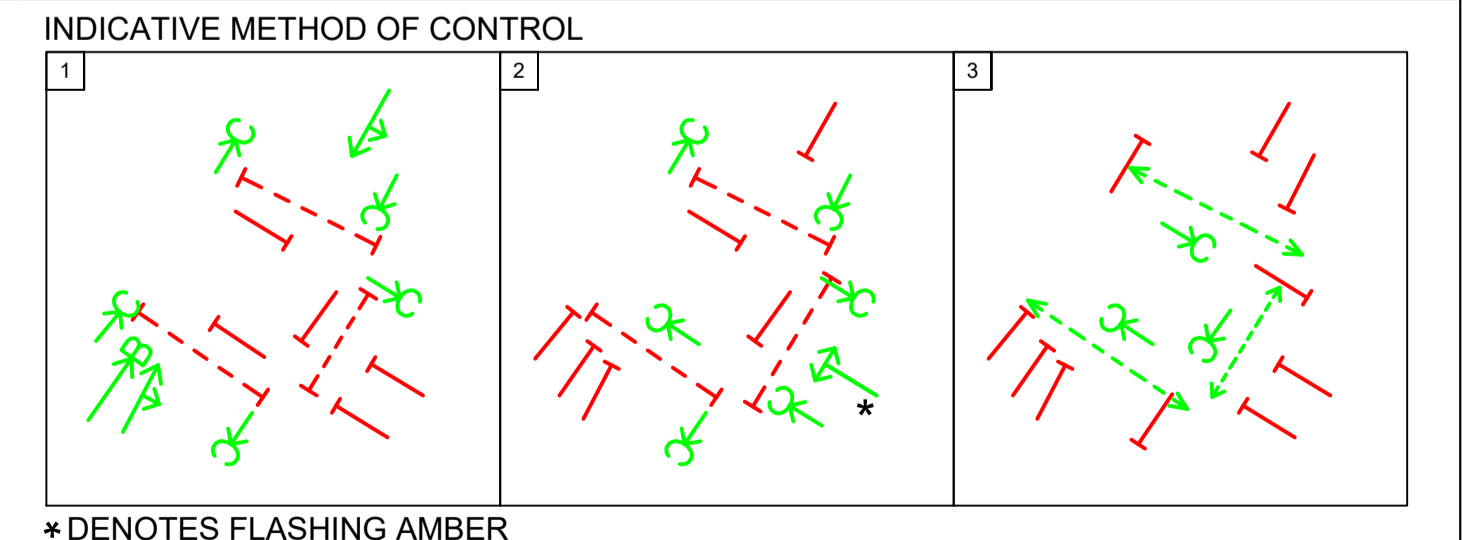
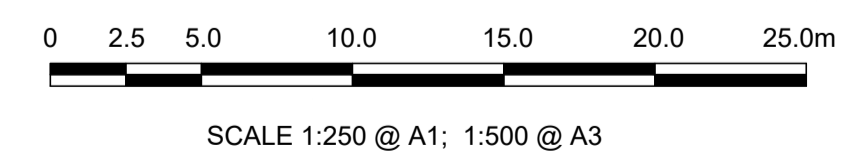
Programme Title		<b>BUSCONNECTS DUBLIN</b>	
		<b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>	
Drawing Title			
TEMPLEOGUE / RATHFARNHAM TO CITY CENTRE CORE BUS CORRIDOR SCHEME			
JUNCTION SYSTEMS DESIGN			
RATHGAR ROAD / GROSVENOR ROAD JUNCTION			
Drawing File Name	Sheet Number	Status	Rev
BCIDC-ARP-TSM_SJ-1012_XX_00-DR-TR-0014	14 of 47	A	M01

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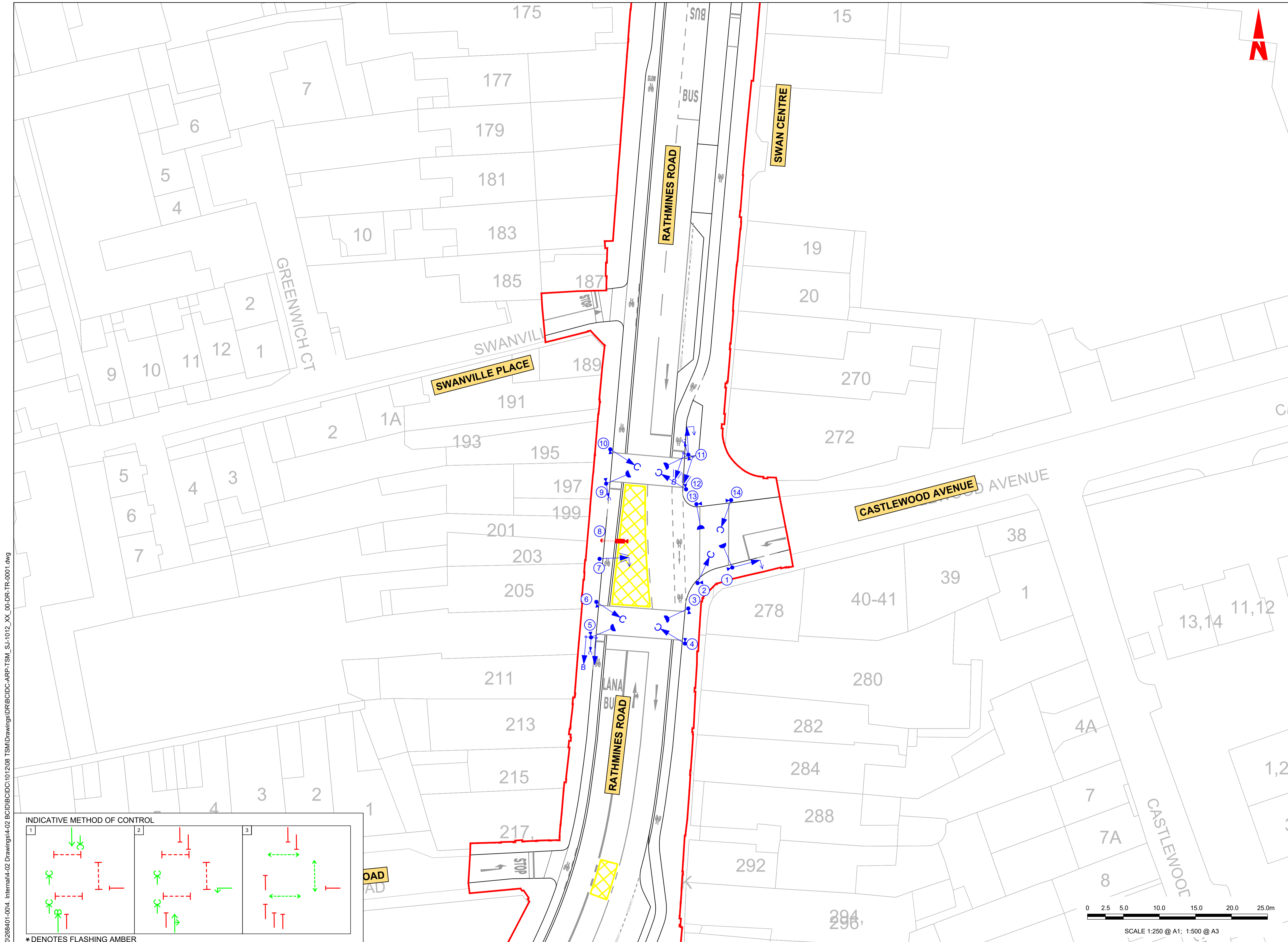
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- TRAFFIC SIGNAL HEADS:**
- RTS 001 PRIMARY
  - RTS 001 SECONDARY
  - RTS 004 PRIMARY
  - RTS 004 SECONDARY
  - RTS 007 (LOW LEVEL) PRIMARY
  - RPC 004 PEDESTRIAN HEAD
- TRAFFIC SIGNAL EQUIPMENT:**
- PAN / TILT / ZOOM CCTV CAMERA
  - TALL POLE (CCTV/TRAFFIC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



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<p>Date 27/01/2023 Scale 1:250 @ A1 1:500 @ A3</p>		<p>Drawn GMcT Checked TM Approved DC</p>		<p>Drawing Title TEMPLEOGUE / RATHFARNHAM TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN RATHGAR ROAD / RATHMINES ROAD UPPER JUNCTION</p>			<p>Drawing File Name BCIDC-ARP-TSM_SJ-1012_XX_00-DR-TR-0015</p>			<p>Sheet Number 15 of 47 Status A Rev M01</p>	

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**LEGEND:**

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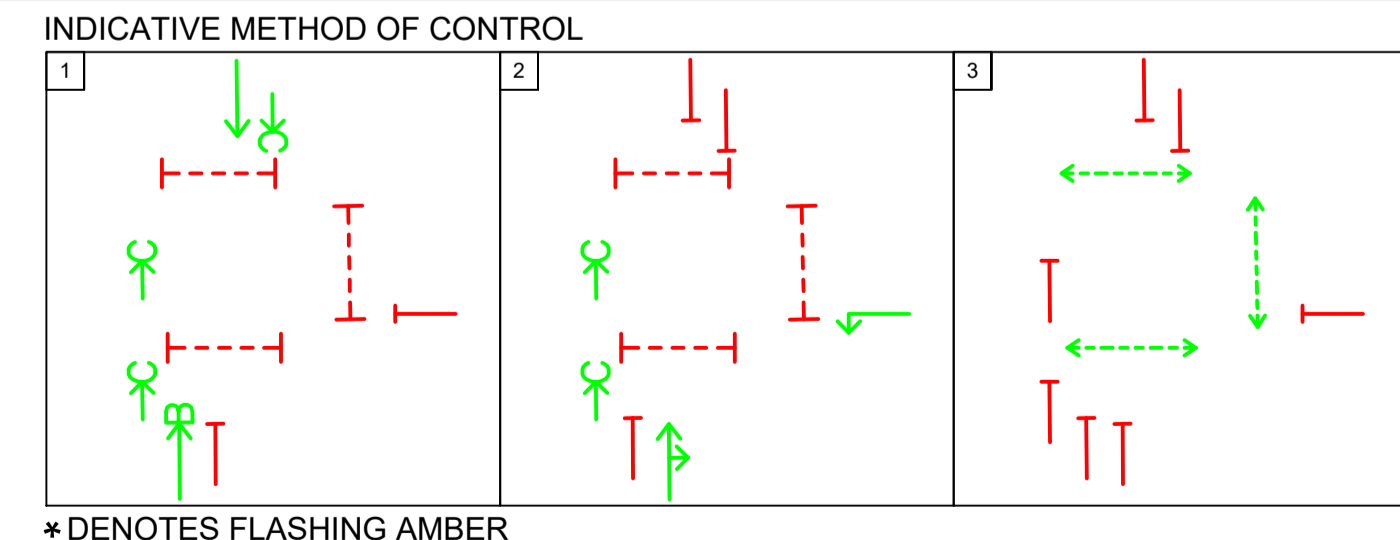
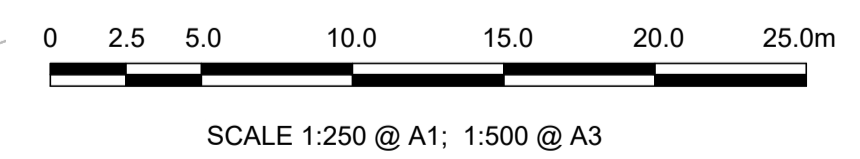
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- RTS 001 SECONDARY
- RTS 002 (A) PRIMARY
- RTS 002 (A) SECONDARY
- RTS 002 (B) PRIMARY
- RTS 002 (D) PRIMARY
- RTS 002 (D) SECONDARY
- RTS 007 (HIGH LEVEL) PRIMARY
- RTS 007 (LOW LEVEL) PRIMARY
- RPC 004 PEDESTRIAN HEAD

**TRAFFIC SIGNAL EQUIPMENT:**

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

**GENERAL:**

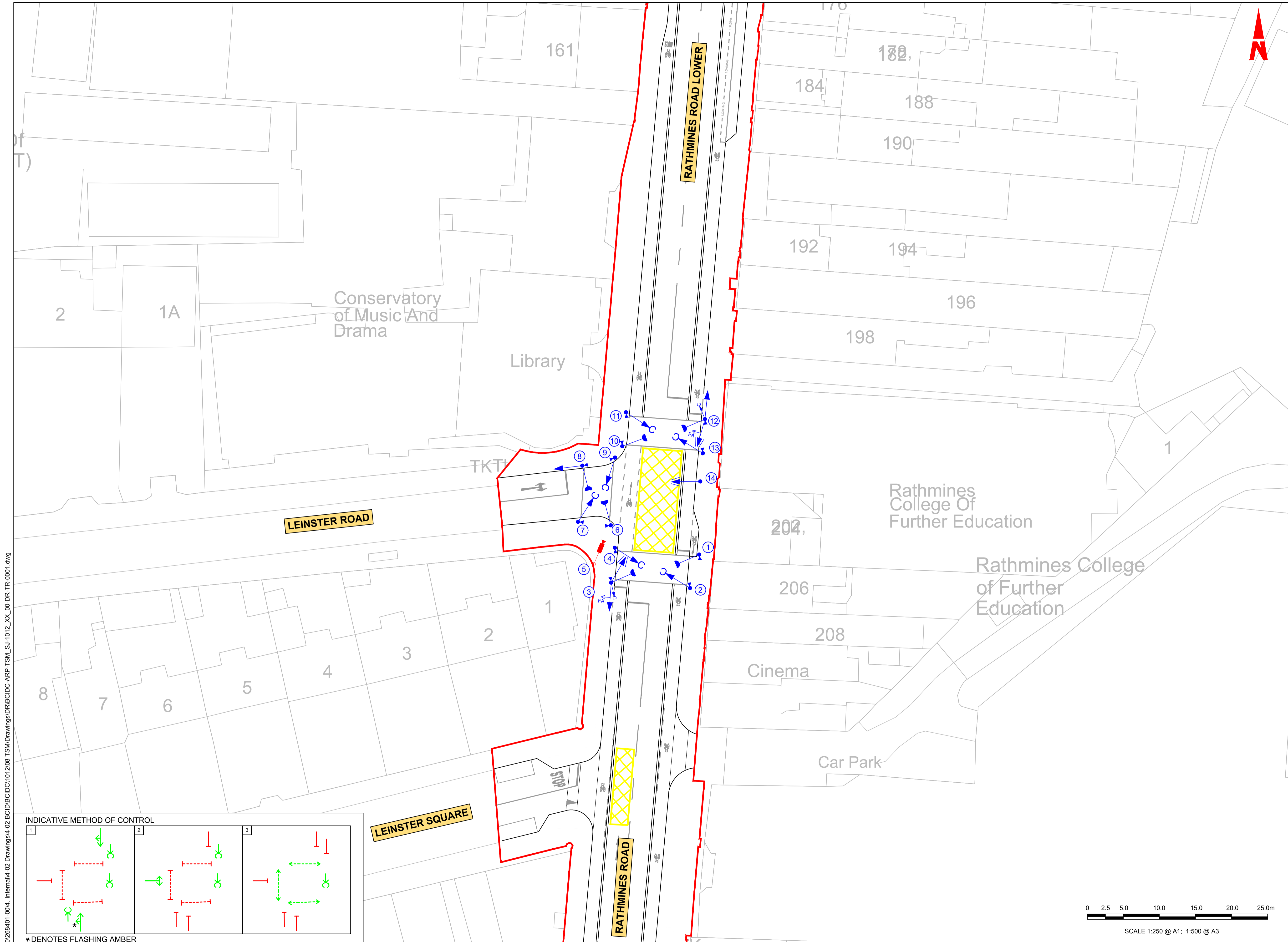
- SITE BOUNDARY LINE
- TEMPORARY LAND ACQUISITION



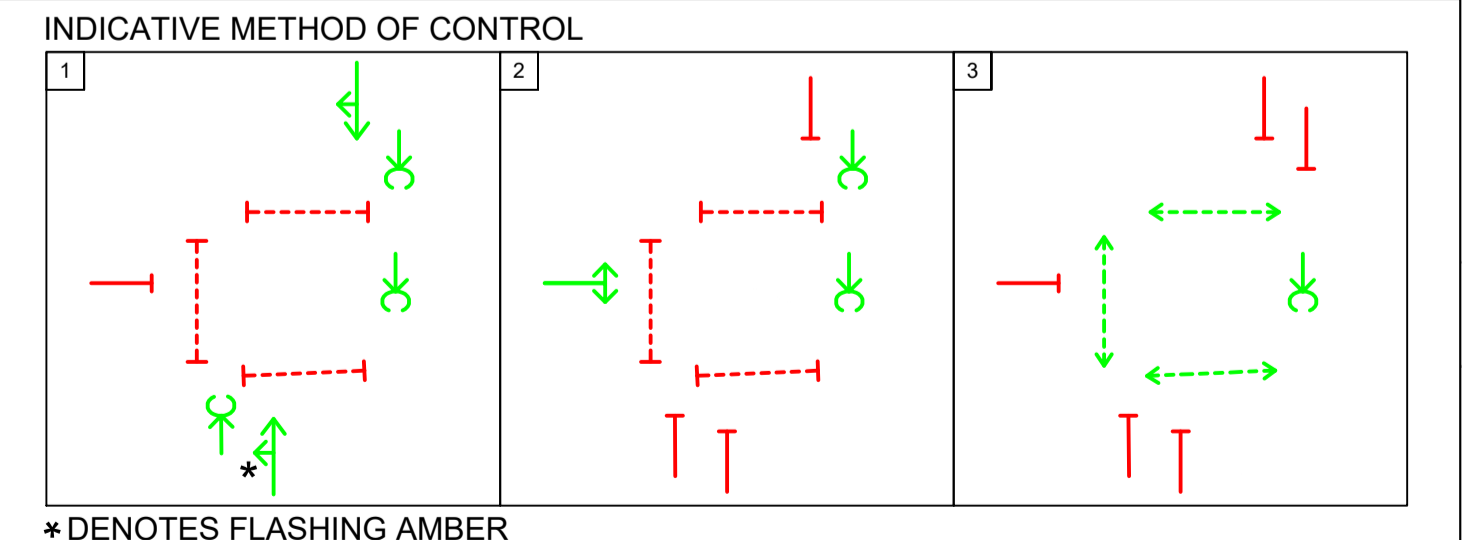
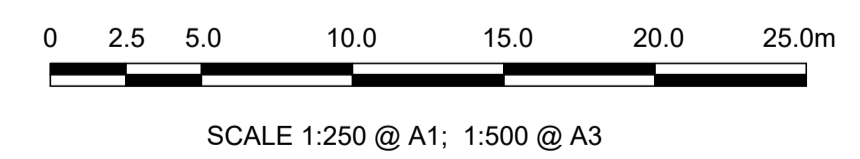
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<p>Date 27/01/2023 Scale 1:250 @ A1 1:500 @ A3</p>		<p>Drawn GMcT Checked TM Approved DC</p>		<p>Drawing Title TEMPLEOGUE / RATHFARNHAM TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN RATHMINES ROAD LOWER / CASTLEWOOD AVENUE JUNCTION</p>			<p>Drawing File Name BCIDC-ARP-TSM_SJ-1012_XX_00-DR-TR-0016</p>			<p>Sheet Number 16 of 47 Status A Rev M01</p>	

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- 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)
- GENERAL:**
- SITE BOUNDARY LINE
  - TEMPORARY LAND ACQUISITION



\global\neurope\dublin\jobs\268401-0014\_Intemat4-02 Drawings\4-02 BCID\BCID\1012\08 TSM\Drawings\DR\BCIDC-ARP-TSM\_SJ-1012\_XX\_00-DR-TR-0001.dwg

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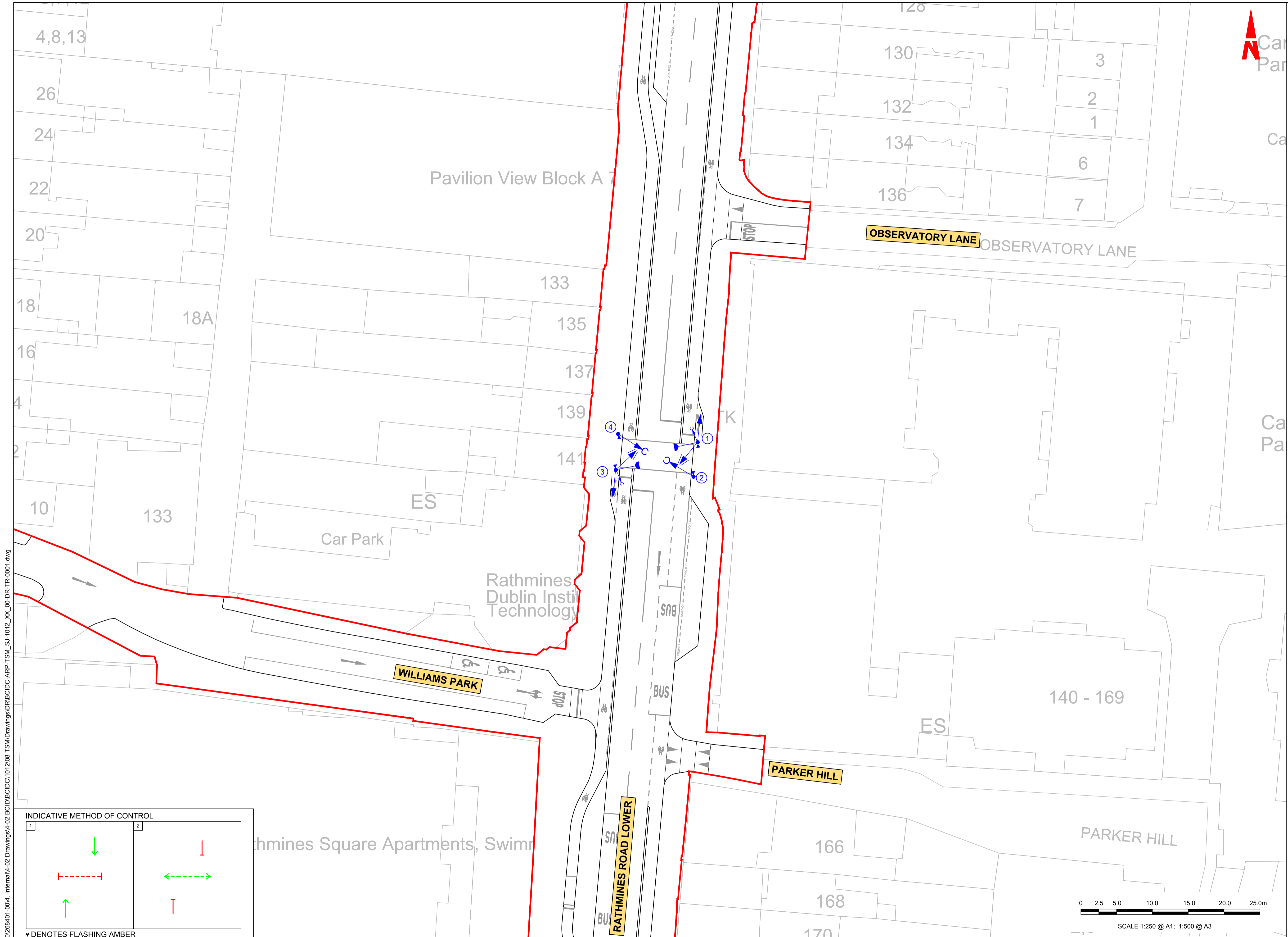
Rev	Date	Drn	Chk'd	App'd	Description
M01	27/01/2023	GMcT	TM	DC	ISSUE FOR PHASE 4: PLANNING

Client

Engineering Designer

Programme Title		<b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>		
Drawing Title		TEMPLEOGUE / RATHFARNHAM TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN RATHMINES ROAD LOWER / LEINSTER ROAD JUNCTION		
Date	Scale	Drawn	Checked	Approved
27/01/2023	1:250 @ A1 1:500 @ A3	GMcT	TM	DC
Project Code	Originator Code	QMS Code	268401-00	
BCIDC	ARP			
Drawing File Name	Sheet Number	Status	Rev	
BCIDC-ARP-TSM_SJ-1012_XX_00-DR-TR-0017	17 of 47	A	M01	

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**LEGEND:**

**TRAFFIC SIGNAL HEADS:**

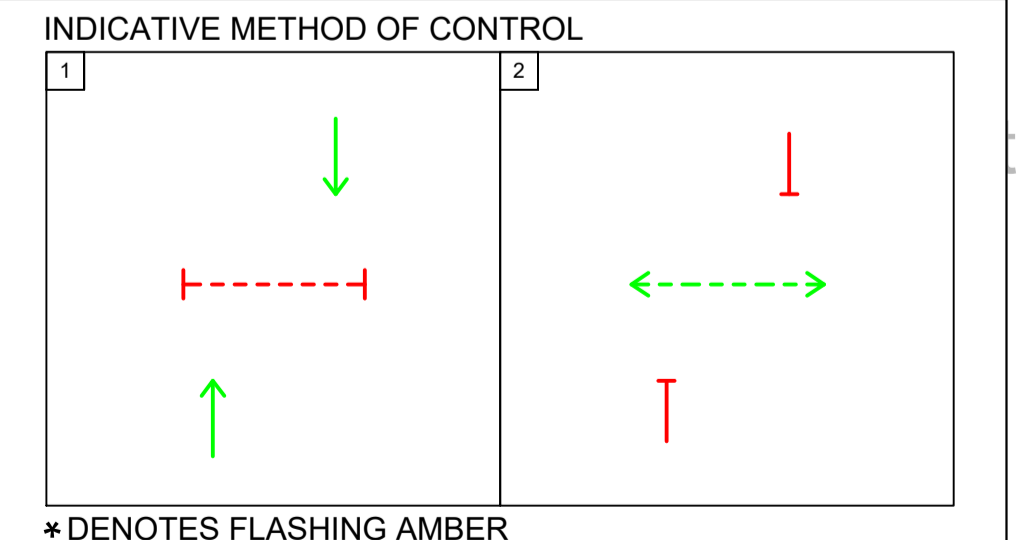
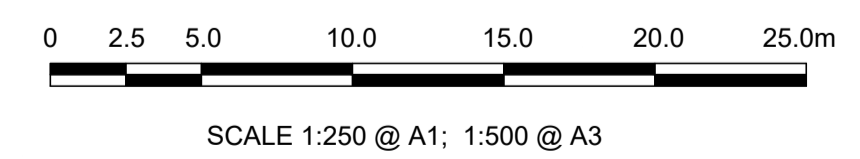
- RTS 001 PRIMARY
- RTS 001 SECONDARY
- RTS 007 (HIGH LEVEL) PRIMARY
- RTS 007 (LOW LEVEL) PRIMARY
- RPC 004 PEDESTRIAN HEAD

**TRAFFIC SIGNAL EQUIPMENT:**

- PUSH BUTTON UNIT
- POLE (STANDARD HEIGHT)

**GENERAL:**

- SITE BOUNDARY LINE
- TEMPORARY LAND ACQUISITION



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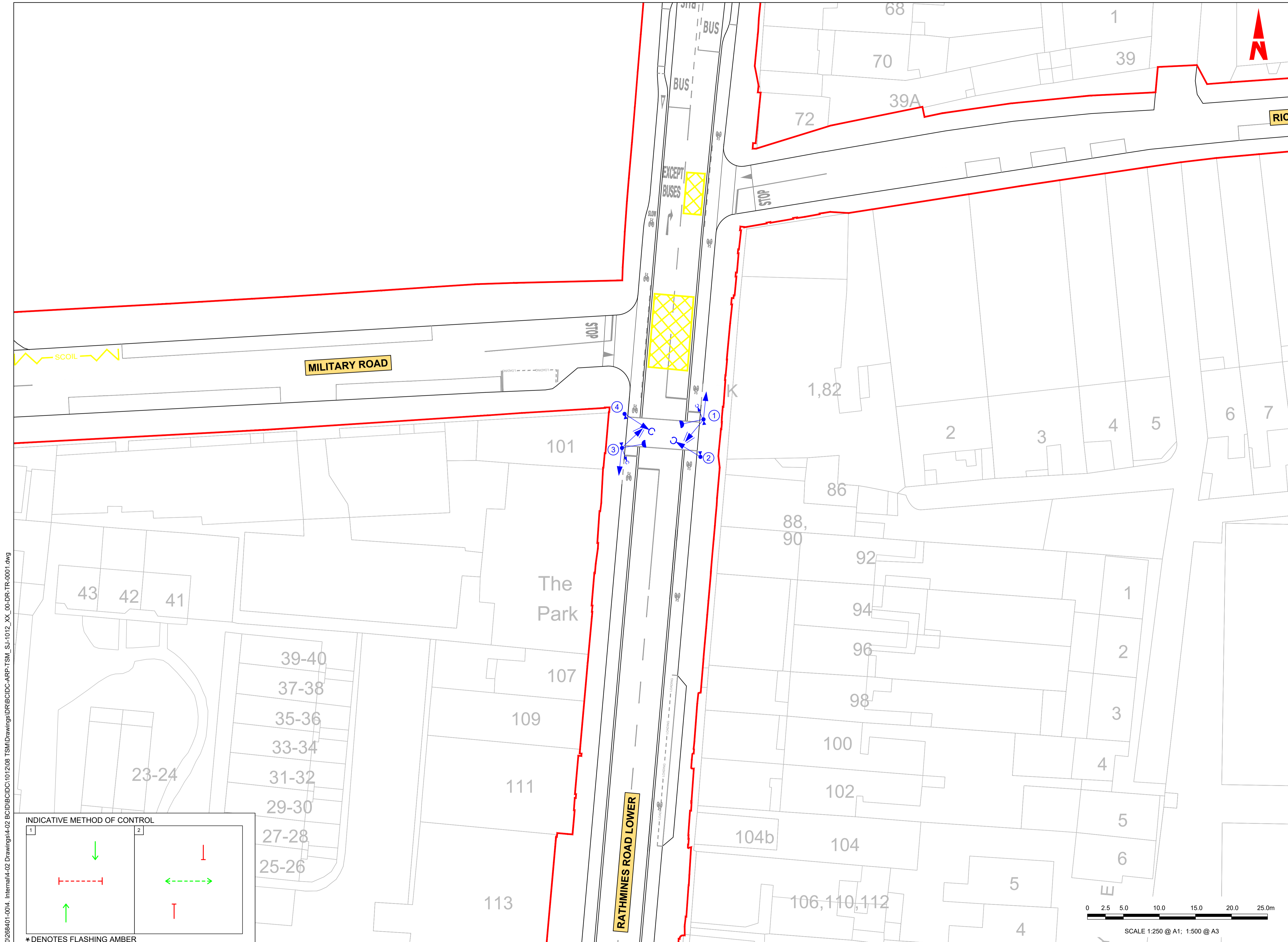
Rev	Date	Drn	Chk'd	App'd	Description
M01	27/01/2023	GMcT	TM	DC	ISSUE FOR PHASE 4: PLANNING

Client

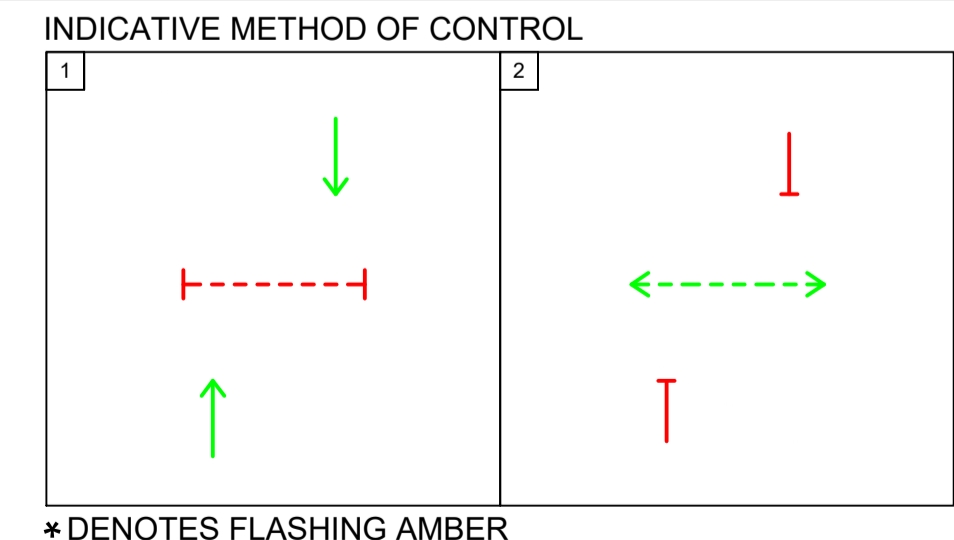
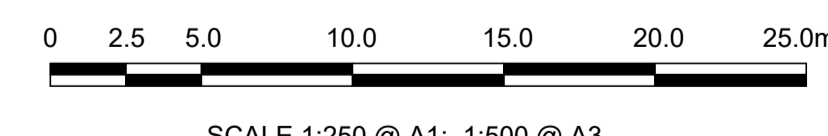
Engineering Designer

Programme Title		<b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>		
Drawing Title		TEMPLEOGUE / RATHFARNHAM TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN RATHMINES ROAD LOWER PEDESTRIAN CROSSING		
Drawing File Name	Sheet Number	Status	Rev	
BCIDC-ARP-TSM_SJ-1012_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 007 (HIGH LEVEL) PRIMARY
    - RTS 007 (LOW LEVEL) PRIMARY
    - RPC 004 PEDESTRIAN HEAD
  - TRAFFIC SIGNAL EQUIPMENT:**
    - PUSH BUTTON UNIT
    - POLE (STANDARD HEIGHT)
  - GENERAL:**
    - SITE BOUNDARY LINE
    - TEMPORARY LAND ACQUISITION



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M01	27/01/2023	GMcT	TM	DC	ISSUE FOR PHASE 4: PLANNING

Client  
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 Údarás Náisiúnta Iompair  
 National Transport Authority

Engineering Designer  
**ARUP**

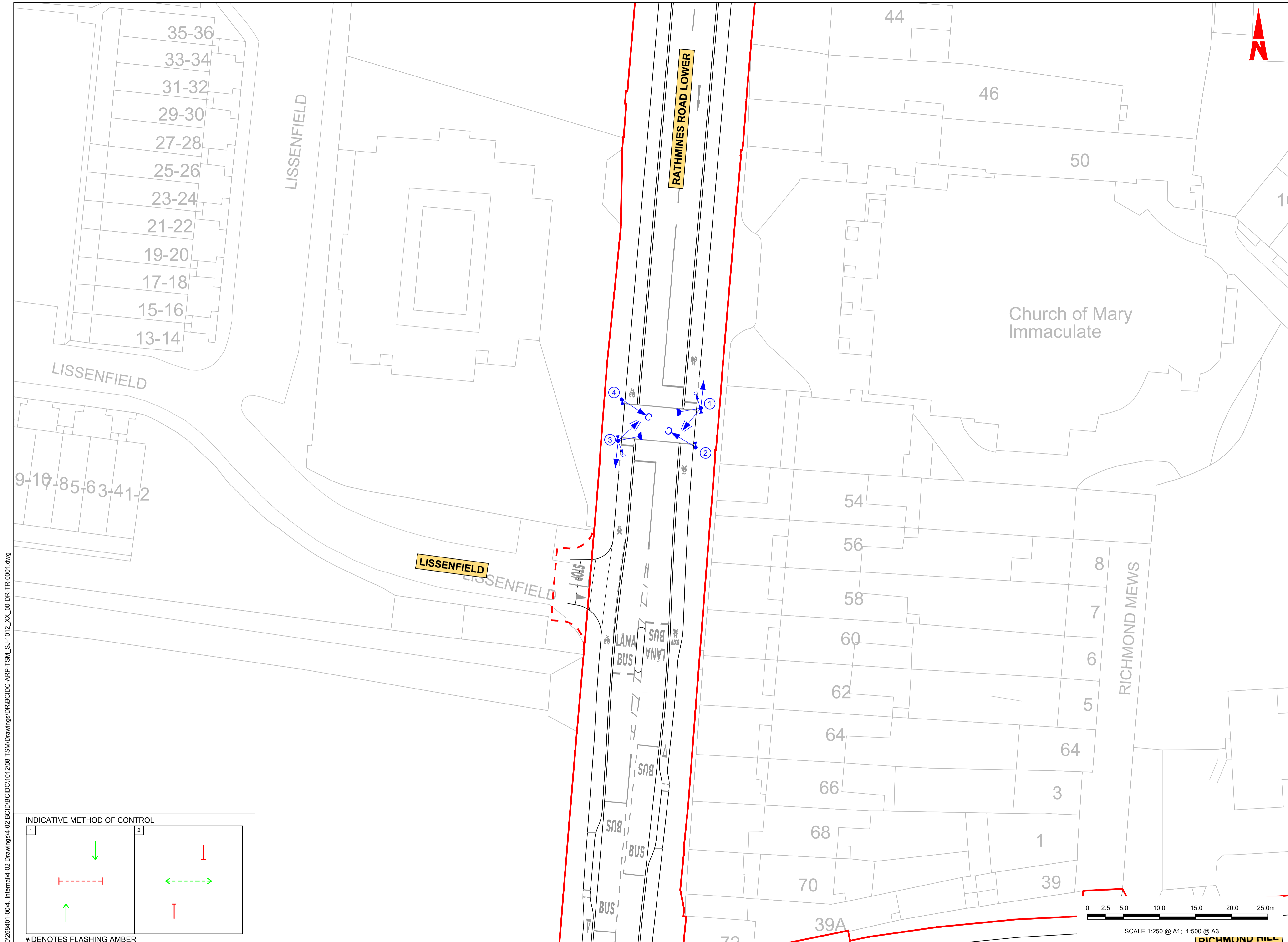
Date	Scale	Drawn	Checked	Approved
27/01/2023	1:250 @ A1 1:500 @ A3	GMcT	TM	DC

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

Drawing Title  
 TEMPLEOGUE / RATHFARNHAM TO CITY CENTRE CORE BUS CORRIDOR SCHEME  
 JUNCTION SYSTEMS DESIGN  
 RATHMINES ROAD LOWER PEDESTRIAN CROSSING

Drawing File Name	Sheet Number	Status	Rev
BCIDC-ARP-TSM_SJ-1012_XX_00-DR-TR-0019	19 of 47	A	M01

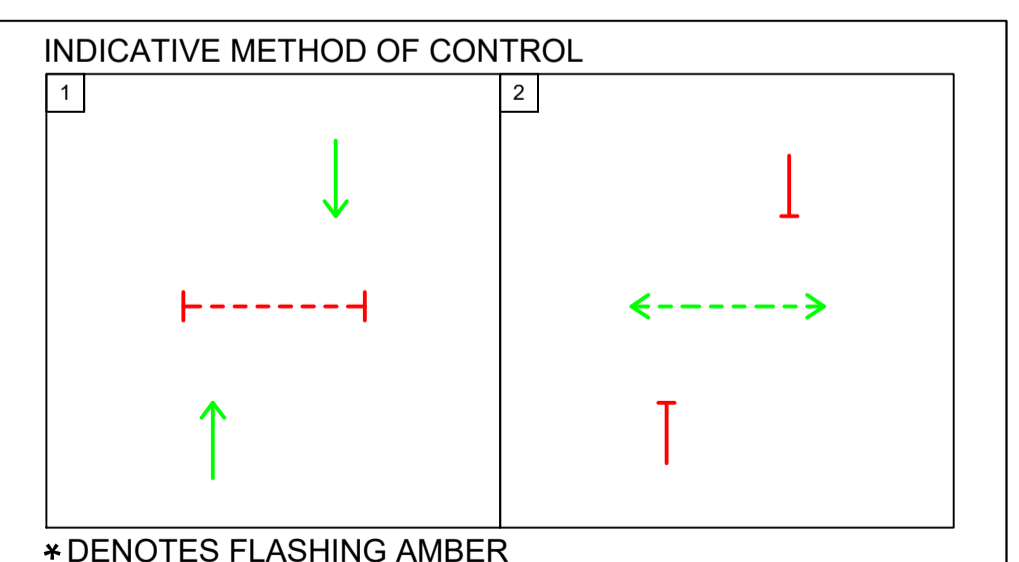
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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
    - RTS 001 PRIMARY
    - RTS 001 SECONDARY
    - RTS 007 (HIGH LEVEL) PRIMARY
    - RTS 007 (LOW LEVEL) PRIMARY
    - RPC 004 PEDESTRIAN HEAD
  - TRAFFIC SIGNAL EQUIPMENT:**
    - PUSH BUTTON UNIT
    - POLE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



SCALE 1:250 @ A1; 1:500 @ A3



\\global\europa\dublin\jobs\268401-0014\_Intemat4-02 Drawings\4-02 BCID\BCID\101208 TSM\Drawings\DR\BCIDC-ARP-TSM\_SJ-1012\_XX\_00-DR-TR-0001.dwg

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Rev	Date	Drn	Chk'd	App'd	Description
M01	27/01/2023	GMcT	TM	DC	ISSUE FOR PHASE 4: PLANNING

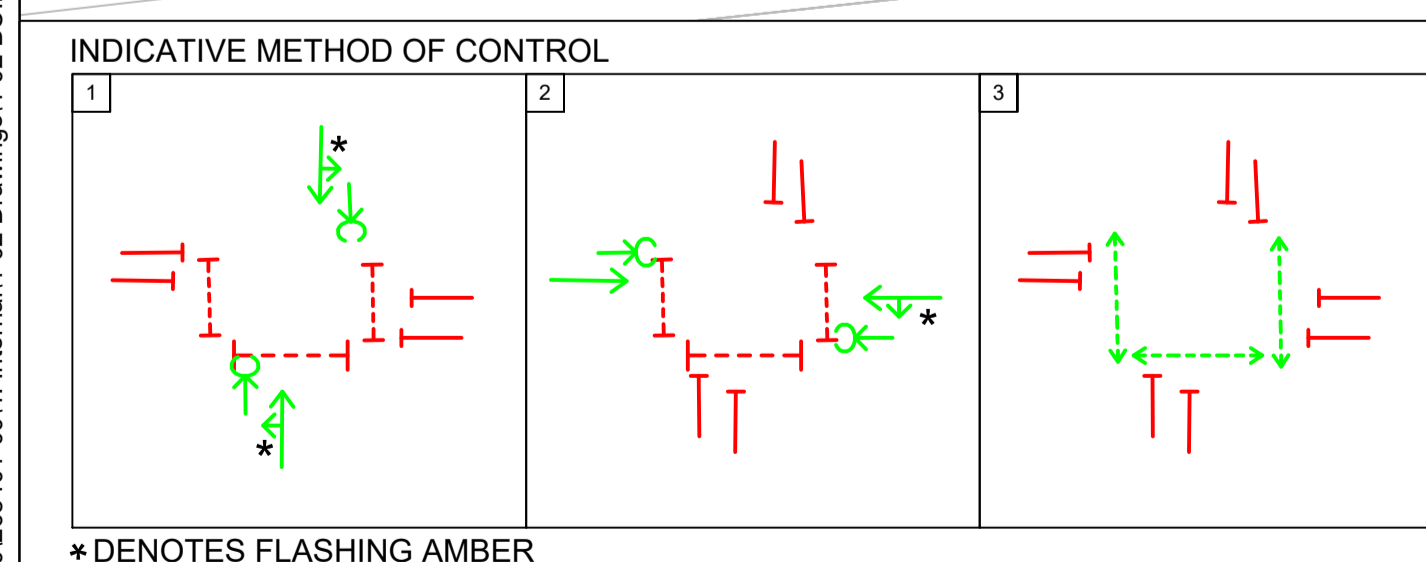
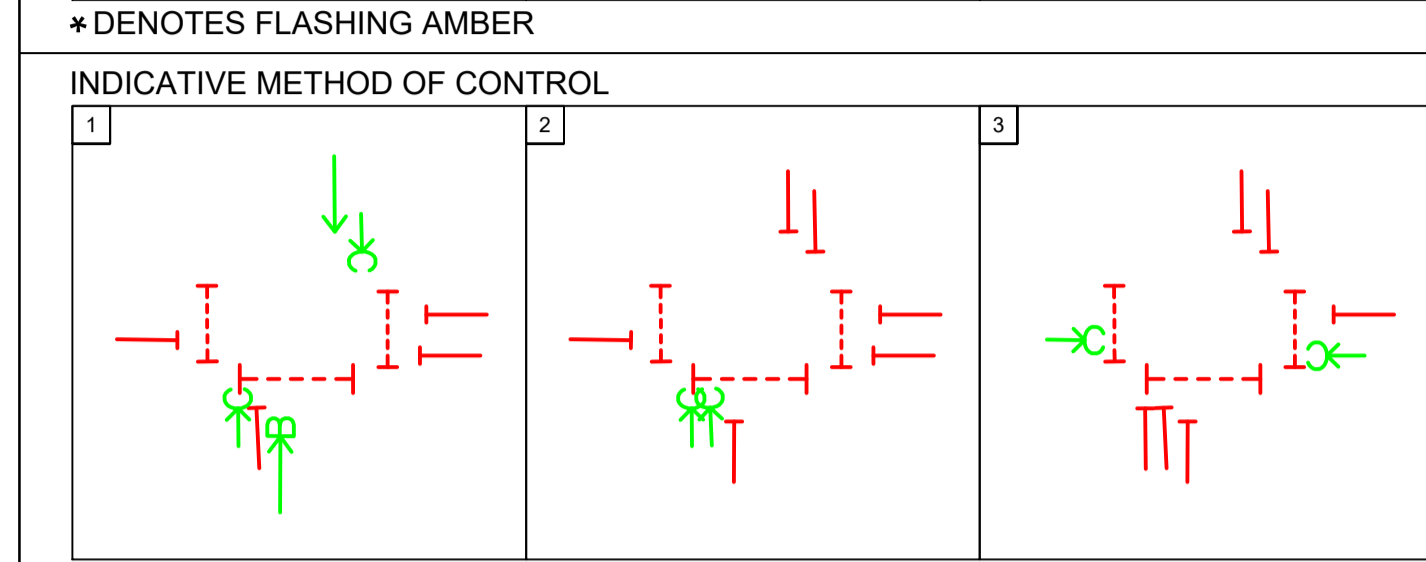
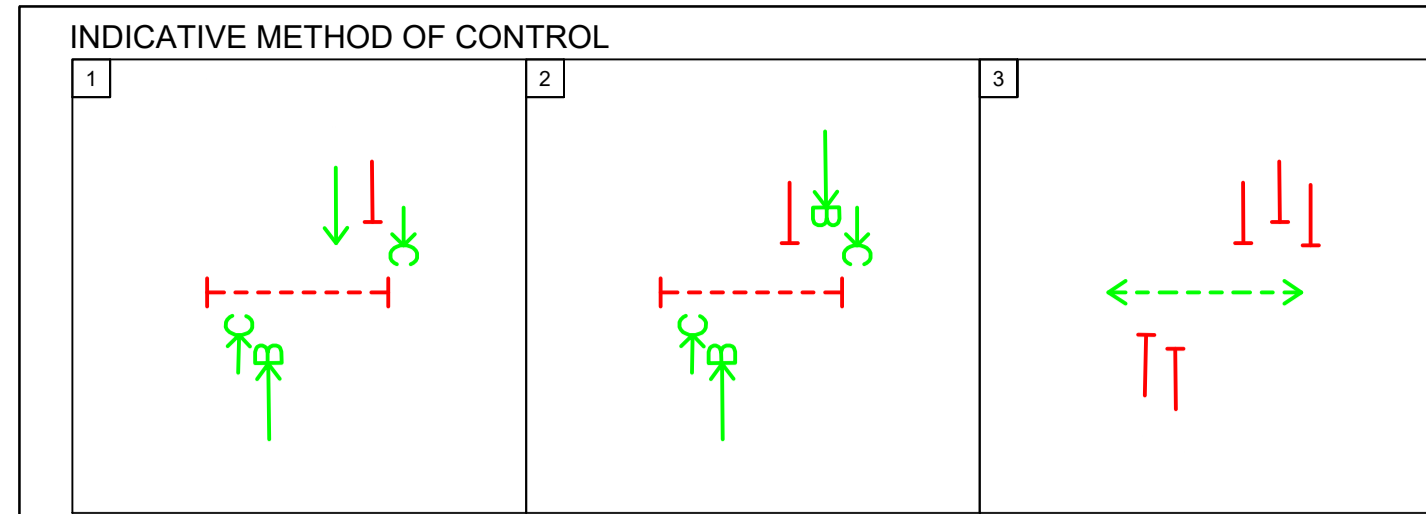
Client

Engineering Designer

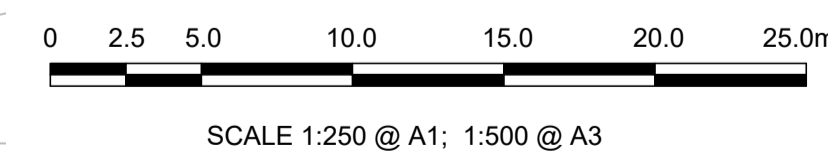
Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title TEMPLEOGUE / RATHFARNHAM TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN RATHMINES ROAD LOWER PEDESTRIAN CROSSING				
Drawing File Name BCIDC-ARP-TSM_SJ-1012_XX_00-DR-TR-0020	Sheet Number 20 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 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)
- GENERAL:**
- SITE BOUNDARY LINE
  - TEMPORARY LAND ACQUISITION



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Rev	Date	Drn	Chk'd	App'd	Description
M01	27/01/2023	GMcT	TM	DC	ISSUE FOR PHASE 4: PLANNING

Client

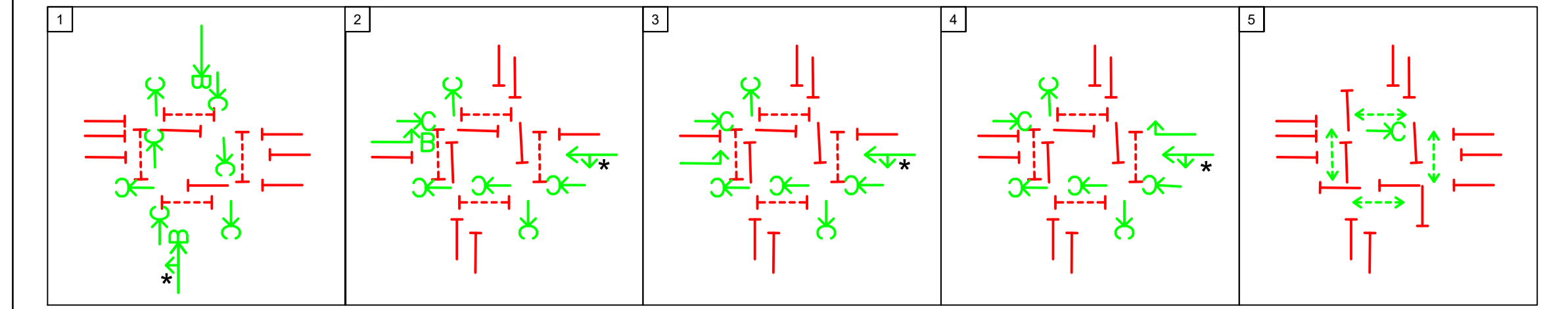
Engineering Designer

Programme Title		<b>BUSCONNECTS DUBLIN</b>	
		<b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>	
Drawing Title			
TEMPLEOGUE / RATHFARNHAM TO CITY CENTRE CORE BUS CORRIDOR SCHEME			
JUNCTION SYSTEMS DESIGN			
RATHMINES ROAD LOWER / CANAL ROAD & RICHMOND ST STREET / RICHMOND ROW JUNCTION			
Drawing File Name	Sheet Number	Status	Rev
BCIDC-ARP-TSM_SJ-1012_XX_00-DR-TR-0021	21 of 47	A	M01

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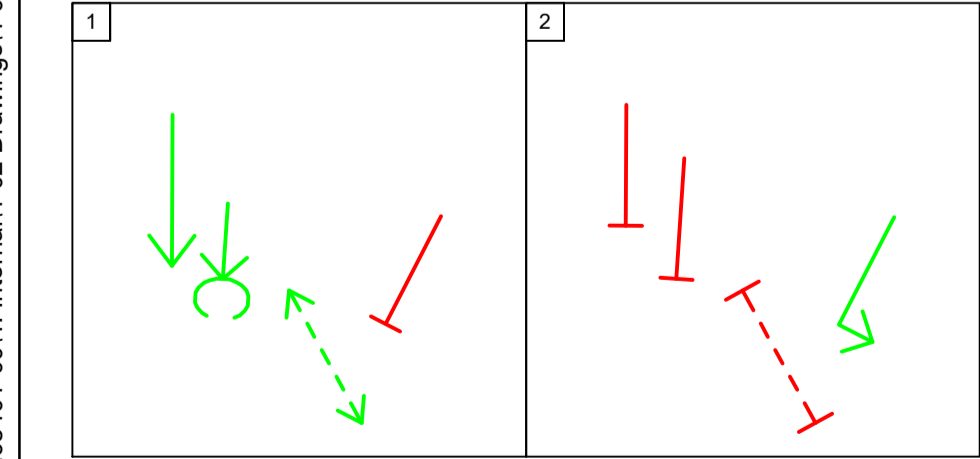
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INDICATIVE METHOD OF CONTROL



\* DENOTES FLASHING AMBER

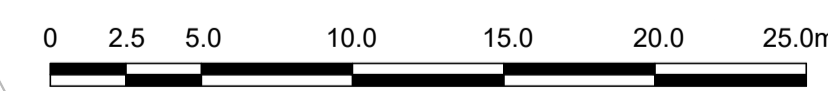
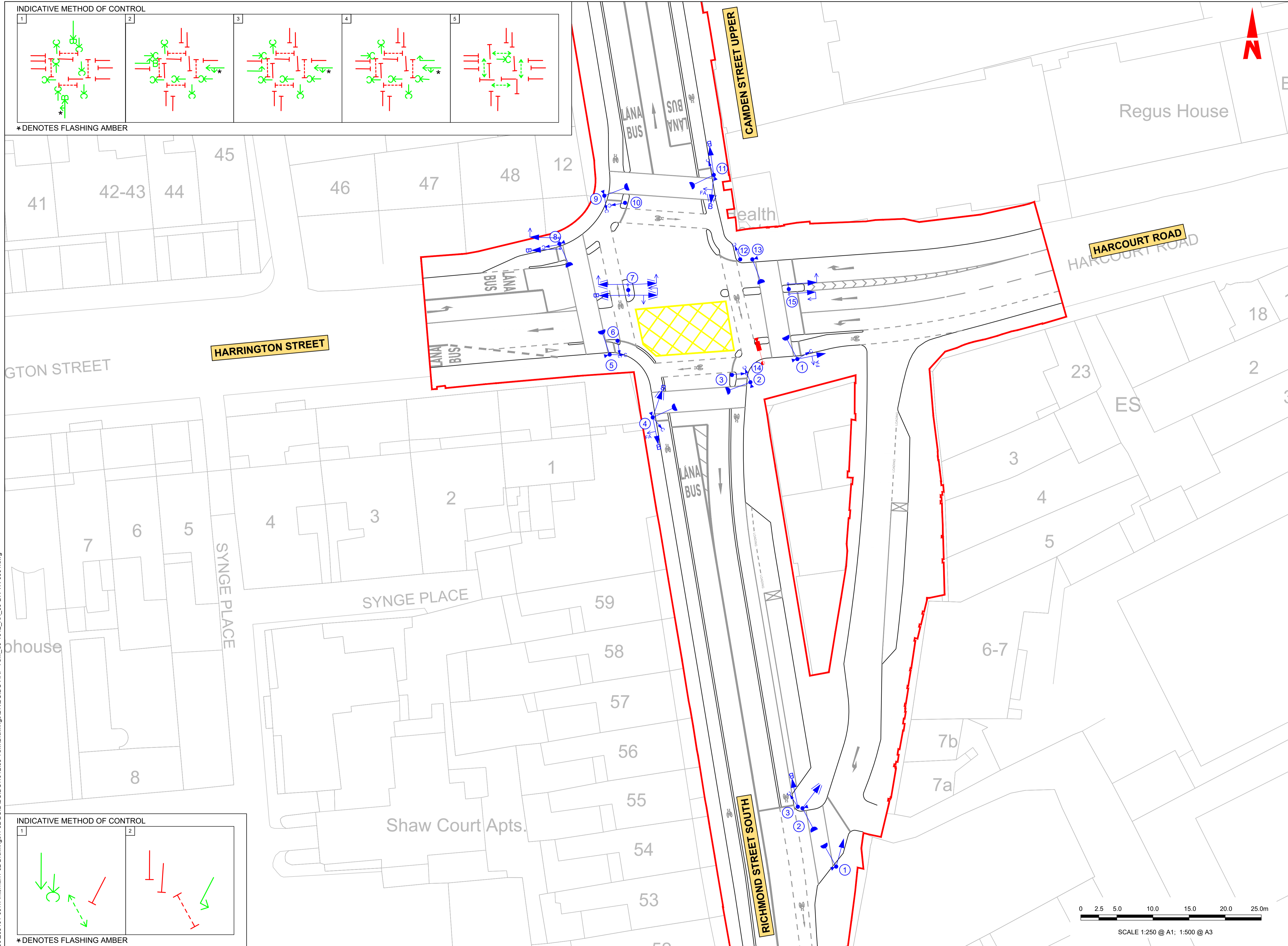
INDICATIVE METHOD OF CONTROL



\* DENOTES FLASHING AMBER

LEGEND:

- TRAFFIC SIGNAL HEADS:**
- RTS 001 PRIMARY
  - RTS 001 SECONDARY
  - RTS 002 (A) PRIMARY
  - RTS 002 (A) SECONDARY
  - RTS 002 (B) PRIMARY
  - RTS 002 (C) PRIMARY
  - RTS 002 (C) SECONDARY
  - RTS 002 (D) PRIMARY
  - RTS 002 (D) SECONDARY
  - RTS 003 (H) SECONDARY
  - RTS 004 PRIMARY
  - RTS 007 (LOW LEVEL) PRIMARY
  - RTS 013 PRIMARY
  - RTS 013 SECONDARY
  - RPC 004 PEDESTRIAN HEAD
- TRAFFIC SIGNAL EQUIPMENT:**
- PAN / TILT / ZOOM CCTV CAMERA
  - TALL POLE (CCTV/TRAFFIC SIGNALS)
  - PUSH BUTTON UNIT
  - POLE (STANDARD HEIGHT)
- GENERAL:**
- SITE BOUNDARY LINE
  - TEMPORARY LAND ACQUISITION



SCALE 1:250 @ A1; 1:500 @ A3

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**Project Ireland 2040**  
 Building Ireland's Future

Rev	Date	Drn	Chk'd	App'd	Description
M01	27/01/2023	GMcT	TM	DC	ISSUE FOR PHASE 4: PLANNING

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 Údarás Náisiúnta Iompair  
 National Transport Authority

Engineering Designer  
**ARUP**

Date	27/01/2023	Scale	1:250 @ A1 1:500 @ A3
Drawn	GMcT	Checked	TM
Approved	DC		

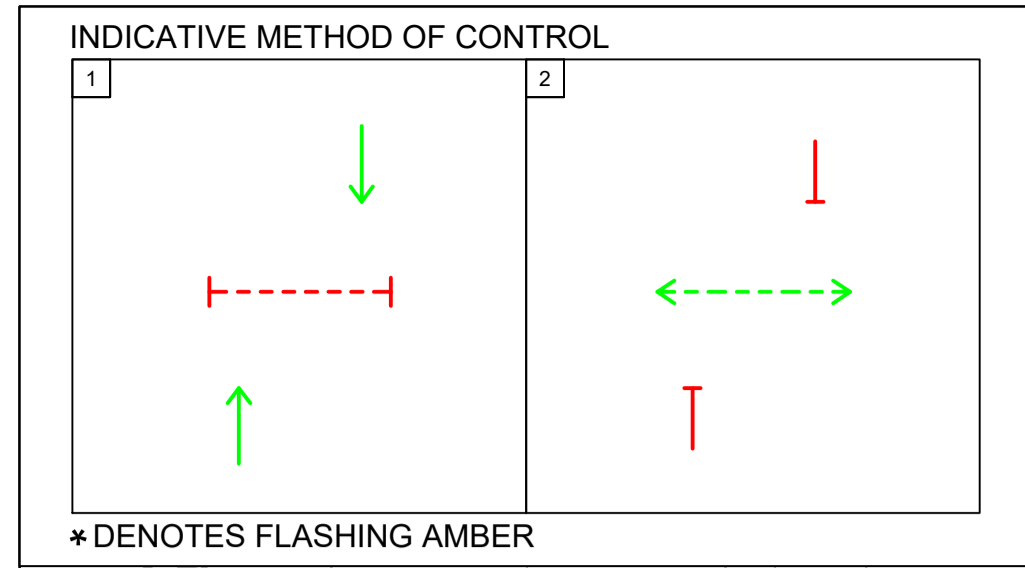
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**CORE BUS CORRIDORS INFRASTRUCTURE WORKS**

Drawing Title  
 TEMPLEOGUE / RATHFARNHAM TO CITY CENTRE CORE BUS CORRIDOR SCHEME  
 JUNCTION SYSTEMS DESIGN  
 RICHMOND ST STREET / HARCOURT ROAD JUNCTION

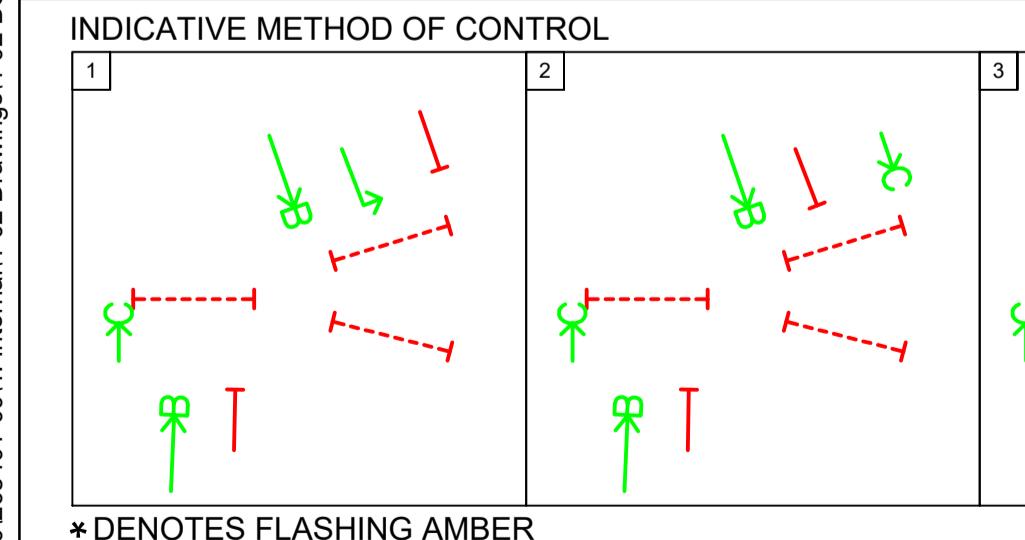
Drawing File Name	BCIDC-ARP-TSM_SJ-1012_XX_00-DR-TR-0022	Sheet Number	22 of 47	Status	A	Rev	M01
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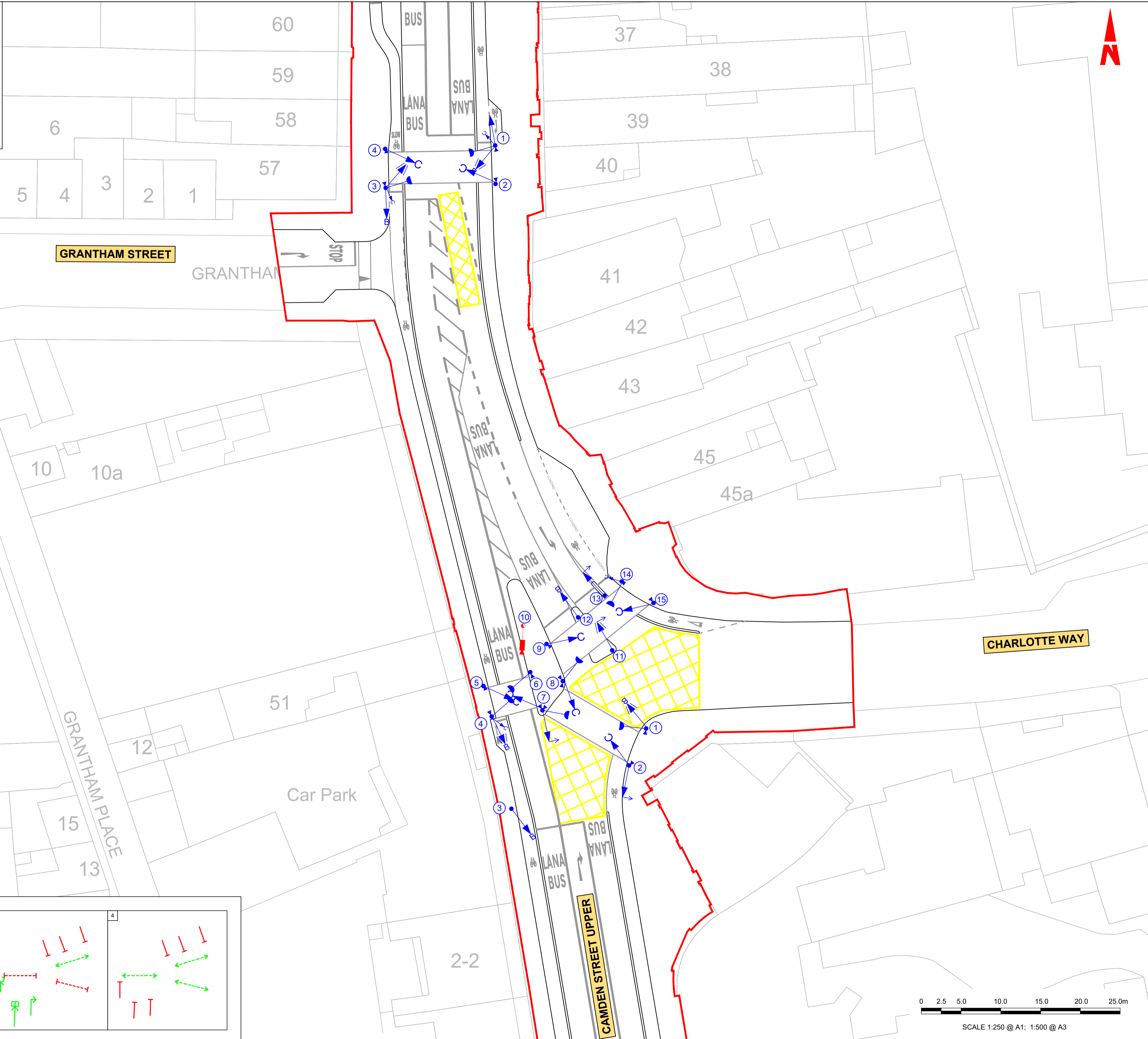
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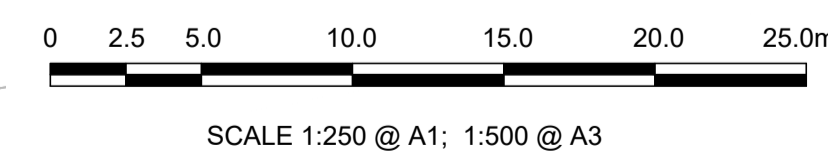
\* DENOTES FLASHING AMBER



\* DENOTES FLASHING AMBER



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



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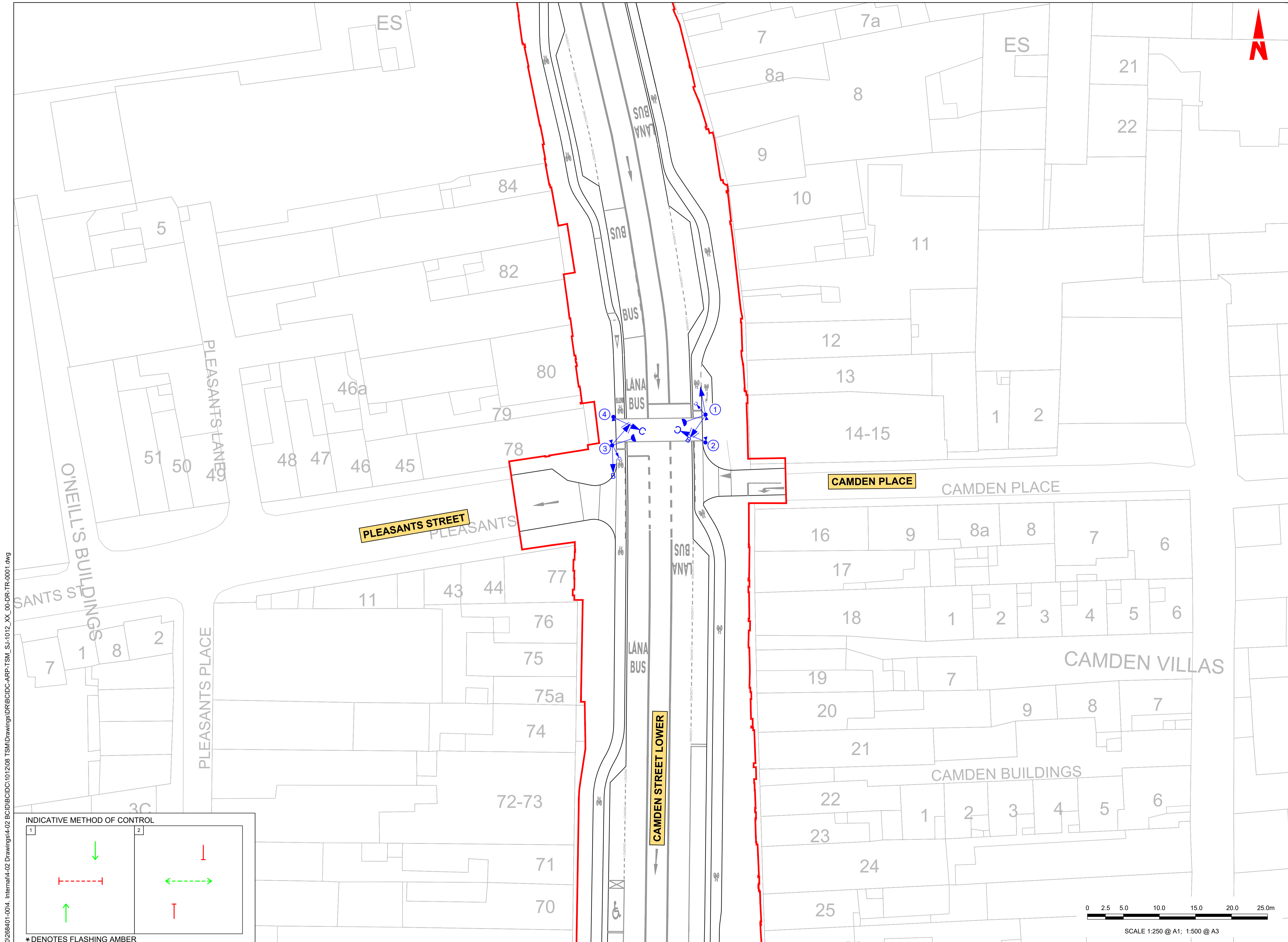
Rev	Date	Drn	Chk'd	App'd	Description
M01	27/01/2023	GMcT	TM	DC	ISSUE FOR PHASE 4: PLANNING

Client

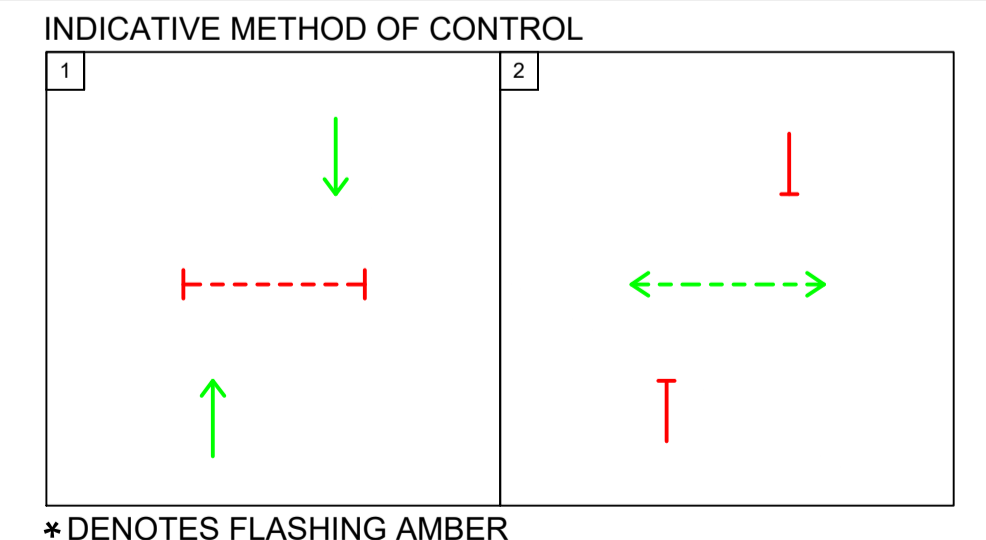
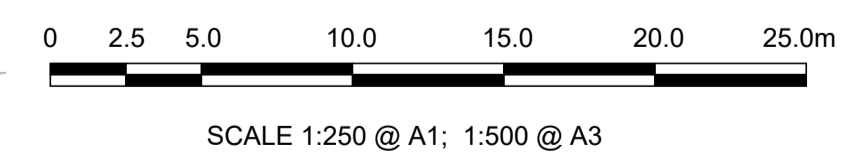
Engineering Designer

Programme Title		<b>BUSCONNECTS DUBLIN</b>		
		<b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>		
Drawing Title				
TEMPLEOGUE / RATHFARNHAM TO CITY CENTRE CORE BUS CORRIDOR SCHEME				
JUNCTION SYSTEMS DESIGN				
CAMDEN STREET UPPER / CHARLOTTE WAY				
Drawing File Name	Sheet Number	Status	Rev	
BCIDC-ARP-TSM_SJ-1012_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 002 (D) PRIMARY
  - RTS 002 (D) SECONDARY
  - RTS 007 (HIGH LEVEL) PRIMARY
  - RTS 007 (LOW LEVEL) PRIMARY
  - RPC 004 PEDESTRIAN HEAD
- TRAFFIC SIGNAL EQUIPMENT:**
- PUSH BUTTON UNIT
  - POLE (STANDARD HEIGHT)
- GENERAL:**
- SITE BOUNDARY LINE
  - TEMPORARY LAND ACQUISITION



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M01	27/01/2023	GMcT	TM	DC	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer  
**ARUP**

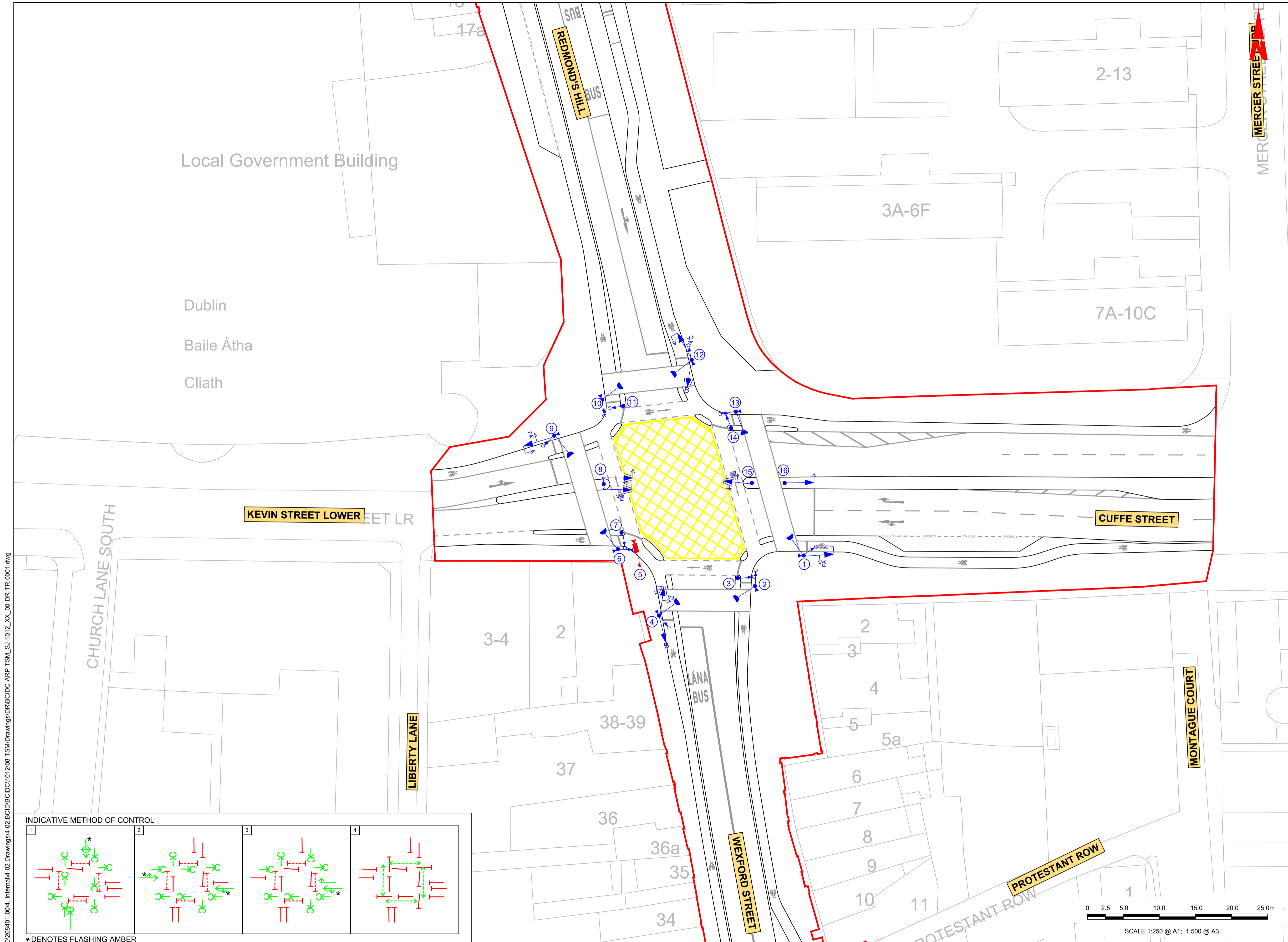
Date	Scale	Drawn	Checked	Approved
27/01/2023	1:250 @ A1 1:500 @ A3	GMcT	TM	DC

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

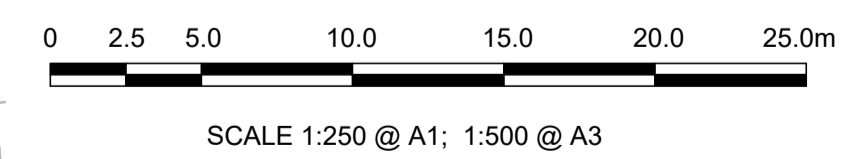
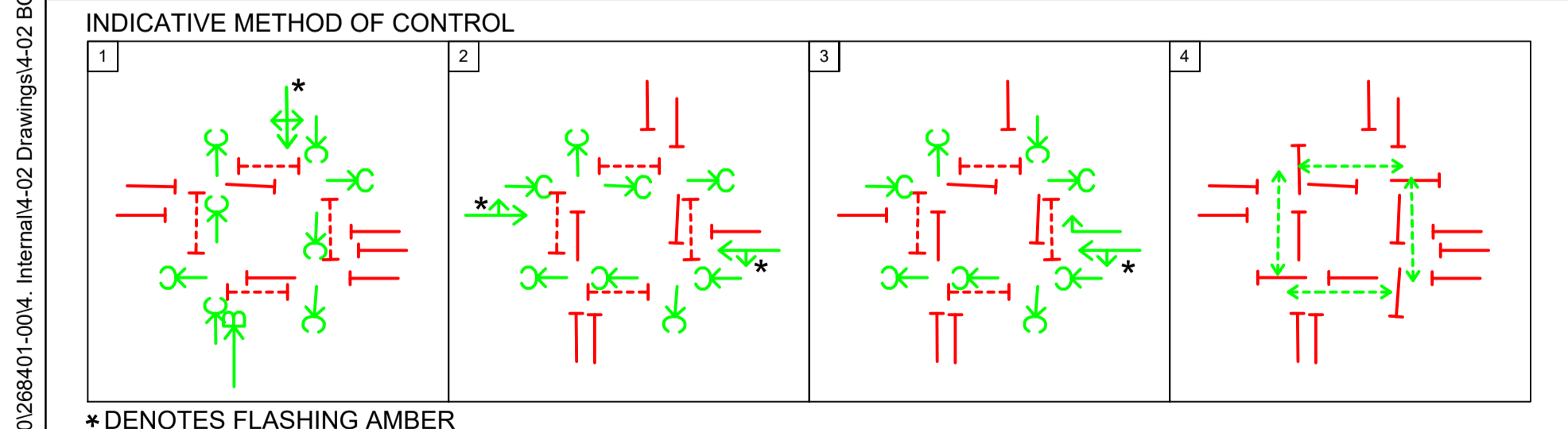
Drawing Title  
 TEMPLEOGUE / RATHFARNHAM TO CITY CENTRE CORE BUS CORRIDOR SCHEME  
 JUNCTION SYSTEMS DESIGN  
 CAMDEN STREET LOWER / PLEASANTS STREET JUNCTION

Drawing File Name	Sheet Number	Status	Rev
BCIDC-ARP-TSM_SJ-1012_XX_00-DR-TR-0024	24 of 47	A	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 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)
- GENERAL:**
- SITE BOUNDARY LINE
  - TEMPORARY LAND ACQUISITION



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Rev	Date	Drn	Chk'd	App'd	Description
M01	27/01/2023	GMcT	TM	DC	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **ARUP**

Date: 27/01/2023 Scale: 1:250 @ A1, 1:500 @ A3

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

Drawn: GMcT Checked: TM Approved: DC

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

Drawing Title: TEMPLEOGUE / RATHFARNHAM TO CITY CENTRE CORE BUS CORRIDOR SCHEME  
JUNCTION SYSTEMS DESIGN  
KEVIN STREET LOWER / WEXFORD STREET

Drawing File Name: BCIDC-ARP-TSM\_SJ-1012\_XX\_00-DR-TR-0025 Sheet Number: 25 of 47 Status: A Rev: M01

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Saint Enda's Primary School

Car Park

Tk

Church

WHITEFRIAR PLACE

WHITEFRIAR ST  
PETER STREET

AUNGIER STREET

YORK STREET

YORK STREET

SHERBORNE APTS.

GLOVERS COURT

BOW LANE EAST

BOW LANE EAST

64  
63

17  
18

19  
20  
20a

21  
22

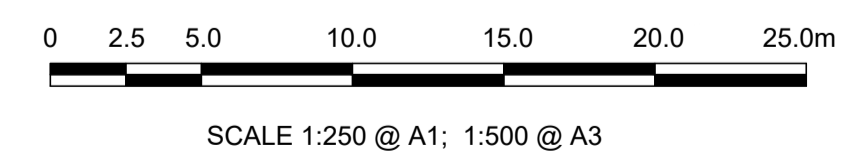
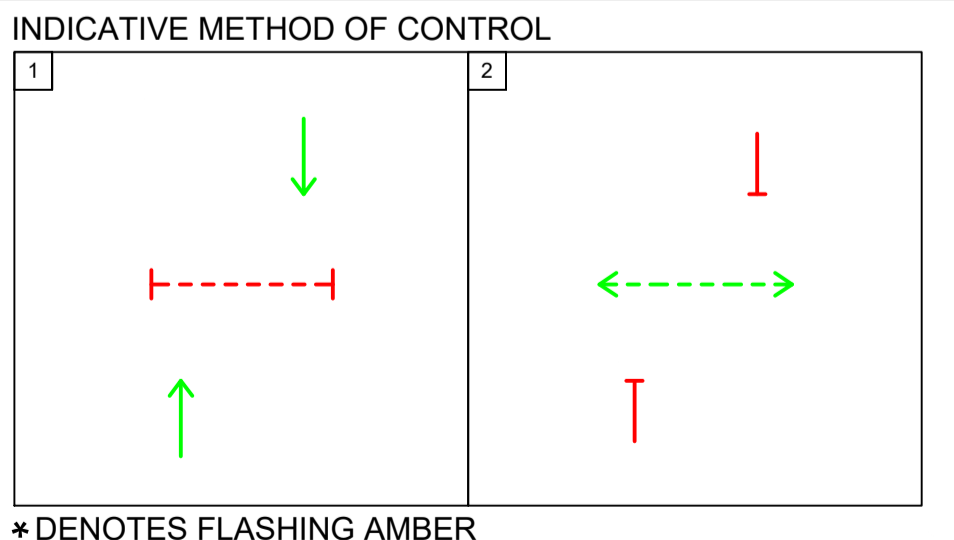
23  
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25  
58

1-22



- 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)
- GENERAL:**
- SITE BOUNDARY LINE
  - TEMPORARY LAND ACQUISITION



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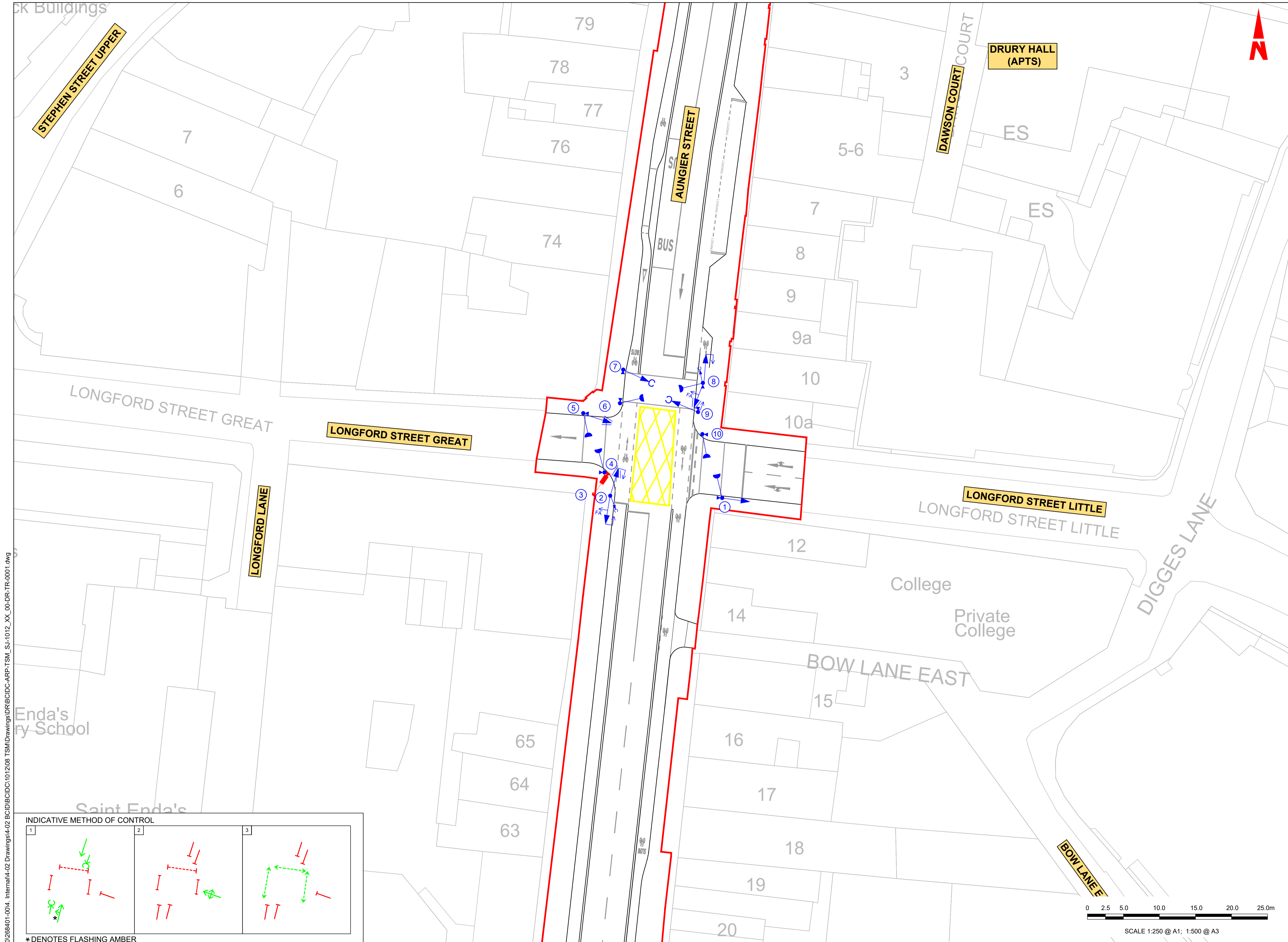
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M01	27/01/2023	GMcT	TM	DC	ISSUE FOR PHASE 4: PLANNING

Client

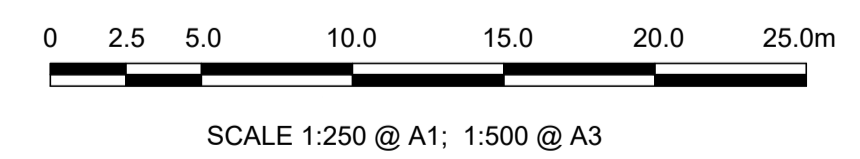
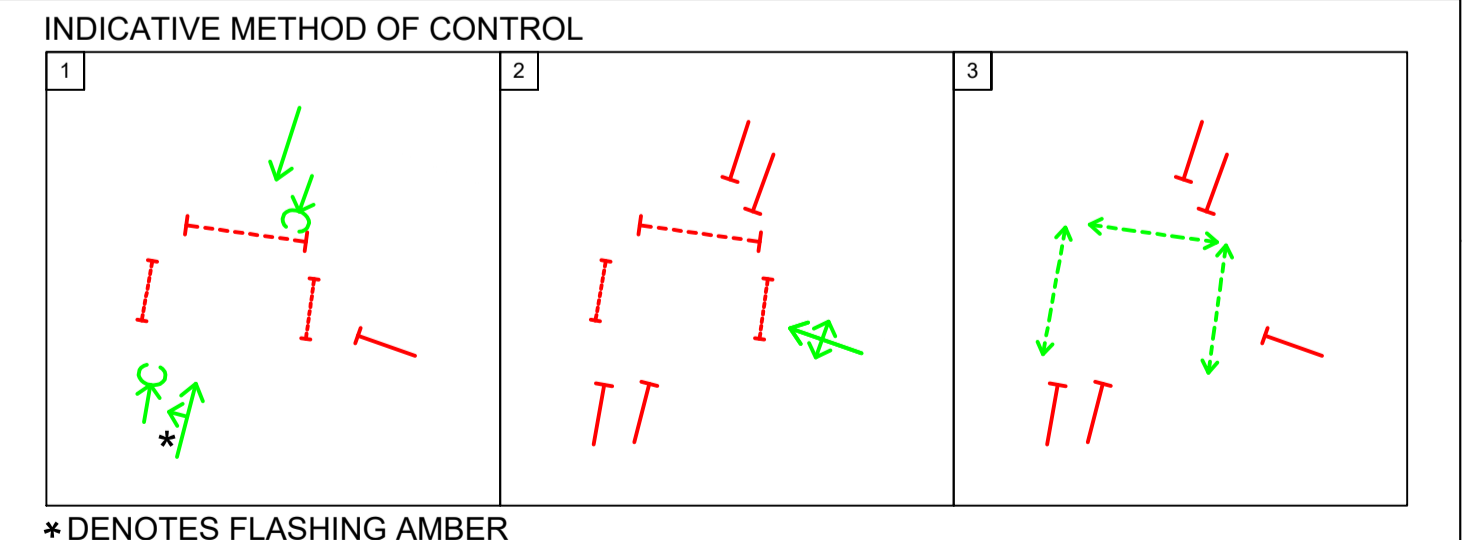
Engineering Designer

Programme Title		<b>BUSCONNECTS DUBLIN</b>	
		<b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>	
Drawing Title			
TEMPLEOGUE / RATHFARNHAM TO CITY CENTRE CORE BUS CORRIDOR SCHEME			
JUNCTION SYSTEMS DESIGN			
AUNGIER STREET PEDESTRIAN CROSSING			
Drawing File Name	Sheet Number	Status	Rev
BCIDC-ARP-TSM_SJ-1012_XX_00-DR-TR-0026	26 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 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)
- GENERAL:**
- SITE BOUNDARY LINE
  - TEMPORARY LAND ACQUISITION



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 Enda's Primary School  
 Saint Enda's

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M01	27/01/2023	GMcT	TM	DC	ISSUE FOR PHASE 4: PLANNING

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National Transport Authority

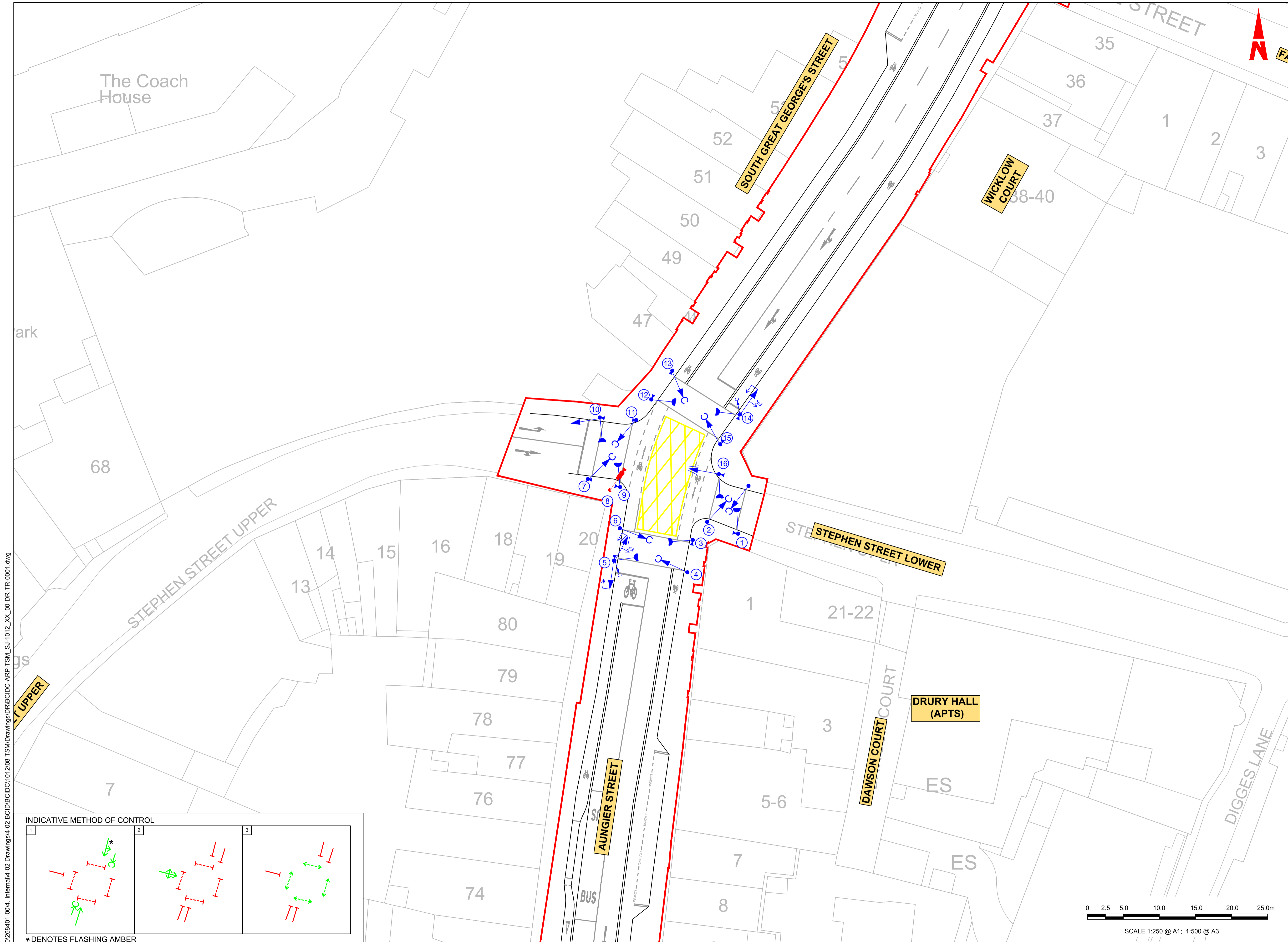
Engineering Designer: **ARUP**

Date	Scale	Drawn	Checked	Approved
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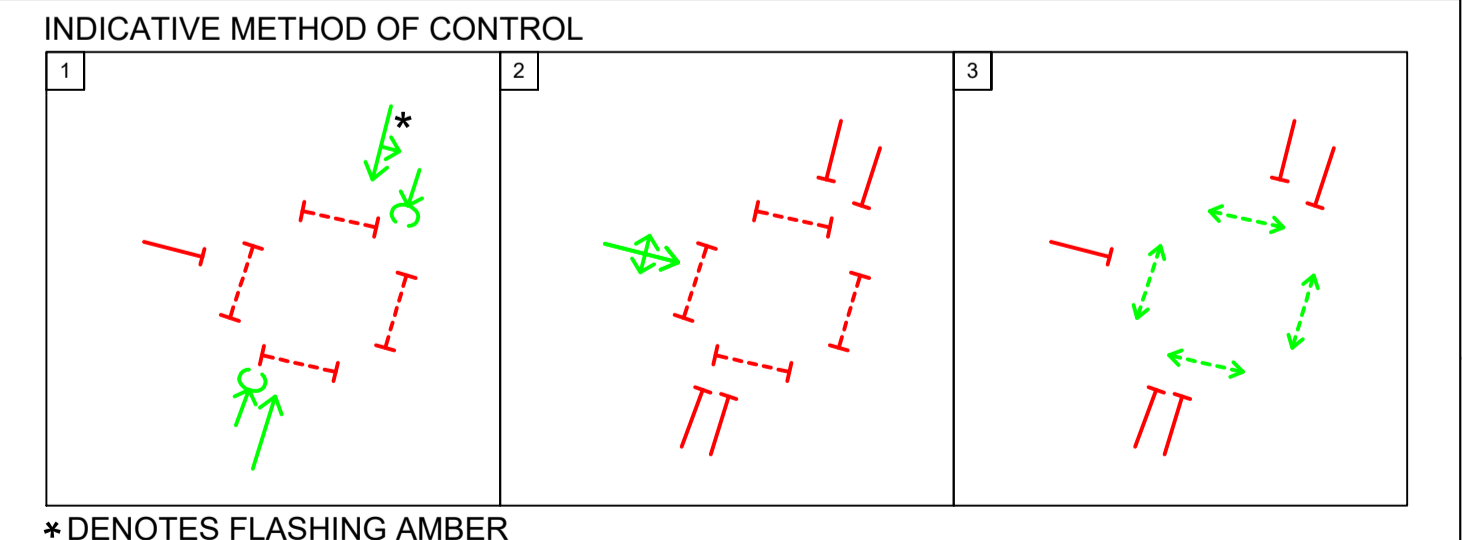
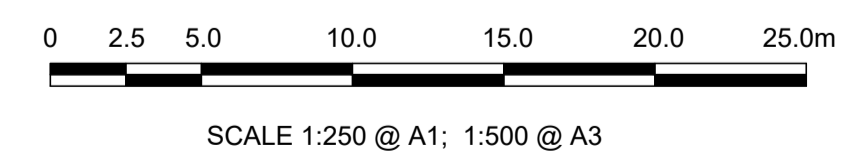
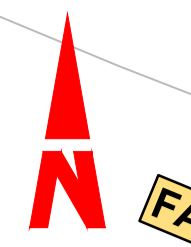
Project Code: BCIDC | Originator Code: ARP | QMS Code: 268401-00

Programme Title: <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title: TEMPLEOGUE / RATHFARNHAM TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN AUNGIER STREET / LONGFORD STREET LOWER JUNCTION			
Drawing File Name: BCIDC-ARP-TSM_SJ-1012_XX_00-DR-TR-0027	Sheet Number: 27 of 47	Status: A	Rev: M01

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- TRAFFIC SIGNAL HEADS:**
- RTS 001 PRIMARY
  - RTS 001 SECONDARY
  - RTS 002 (B) PRIMARY
  - 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)
- GENERAL:**
- SITE BOUNDARY LINE
  - TEMPORARY LAND ACQUISITION



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Údarás Náisiúnta Iompair  
National Transport Authority

Engineering Designer: **ARUP**

Date: 27/01/2023 | Scale: 1:250 @ A1, 1:500 @ A3 | Drawn: GMcT | Checked: TM | Approved: DC

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

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

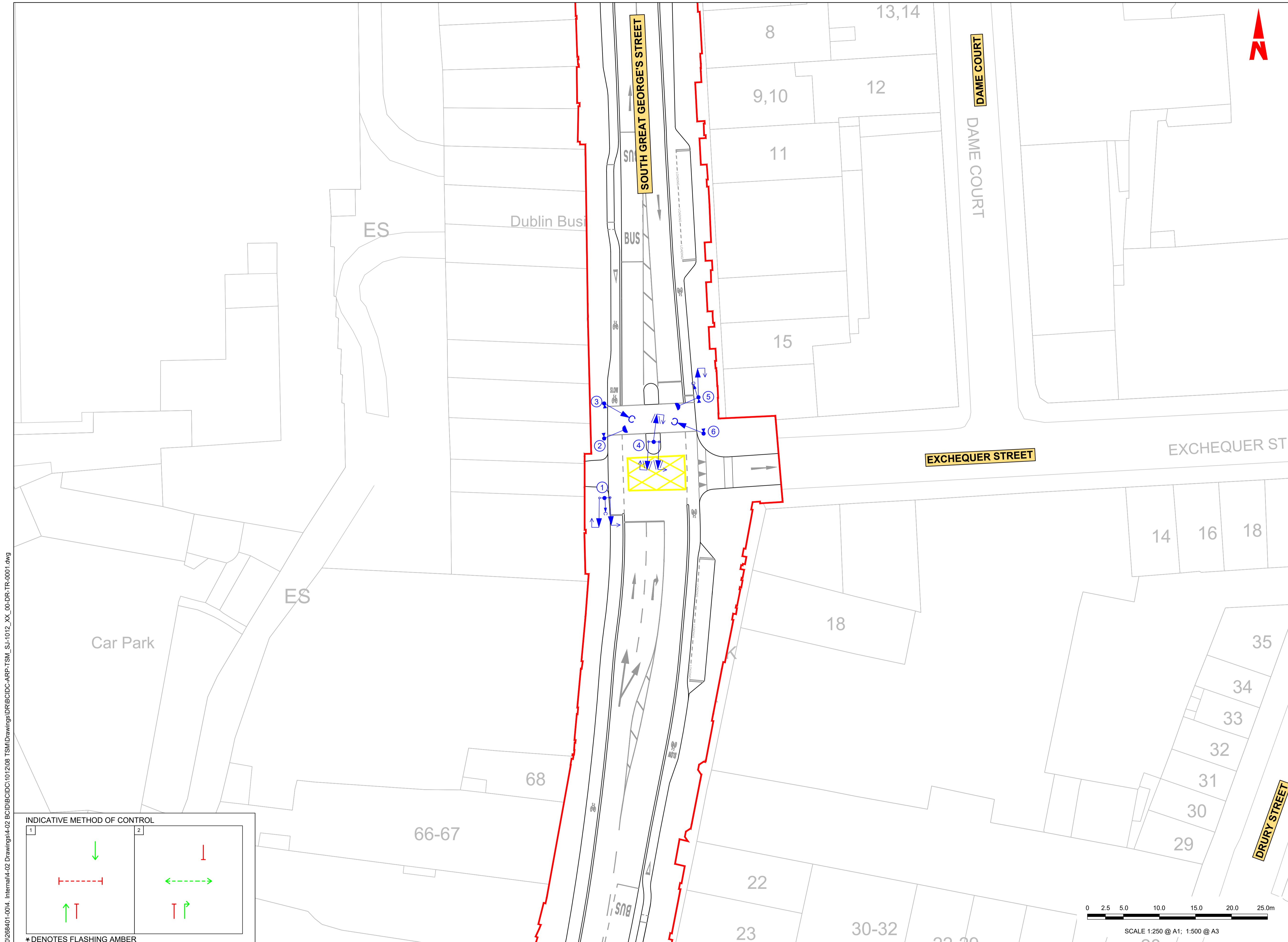
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Drawing File Name	Sheet Number	Status	Rev
BCIDC-ARP-TSM_SJ-1012_XX_00-DR-TR-0028	28 of 47	A	M01

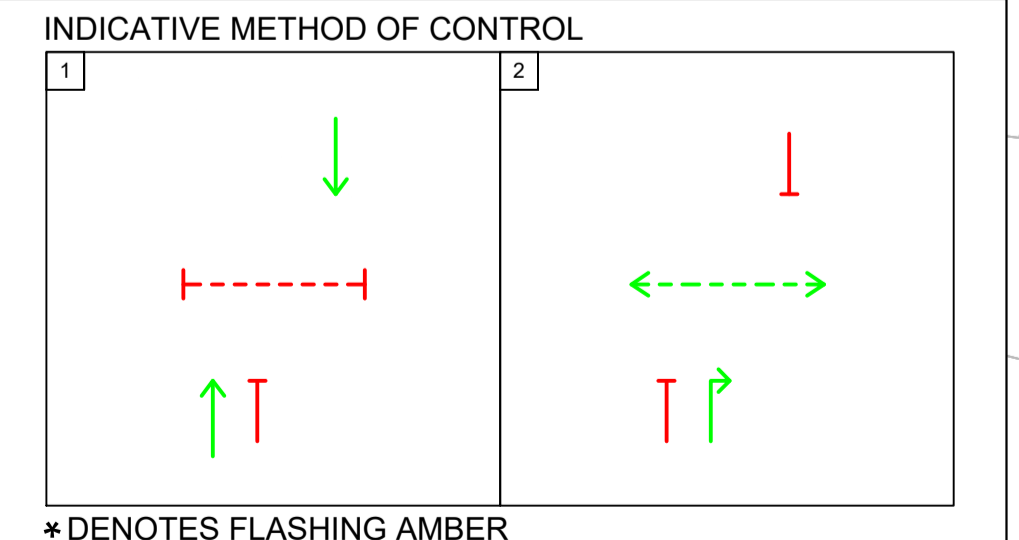
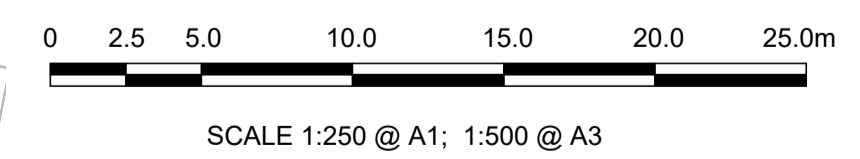
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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
    - RTS 002 (B) PRIMARY
    - RTS 002 (B) SECONDARY
    - RTS 002 (C) PRIMARY
    - RTS 002 (C) SECONDARY
    - RTS 007 (HIGH LEVEL) PRIMARY
    - RTS 007 (LOW LEVEL) PRIMARY
    - RPC 004 PEDESTRIAN HEAD
  -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



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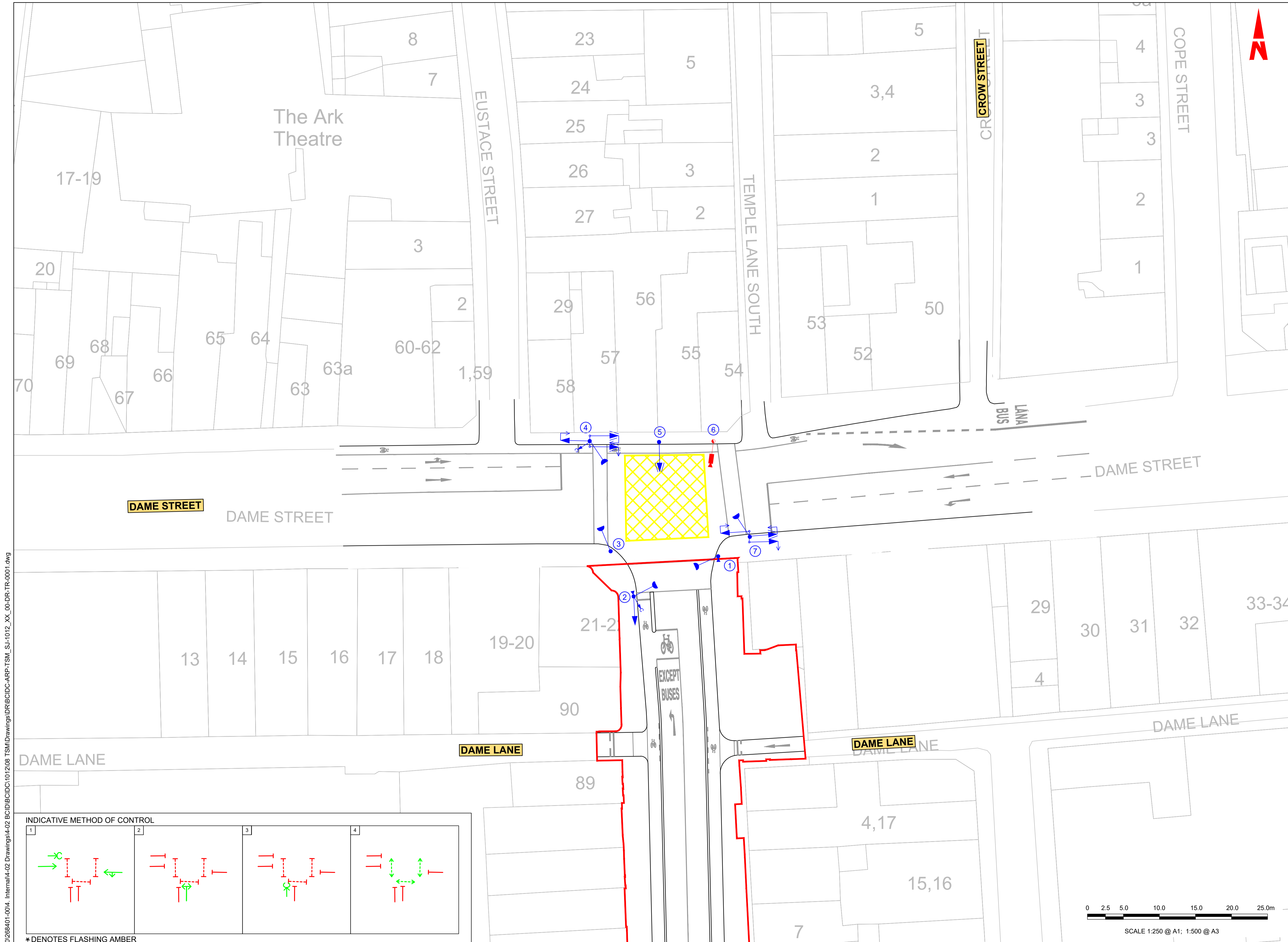
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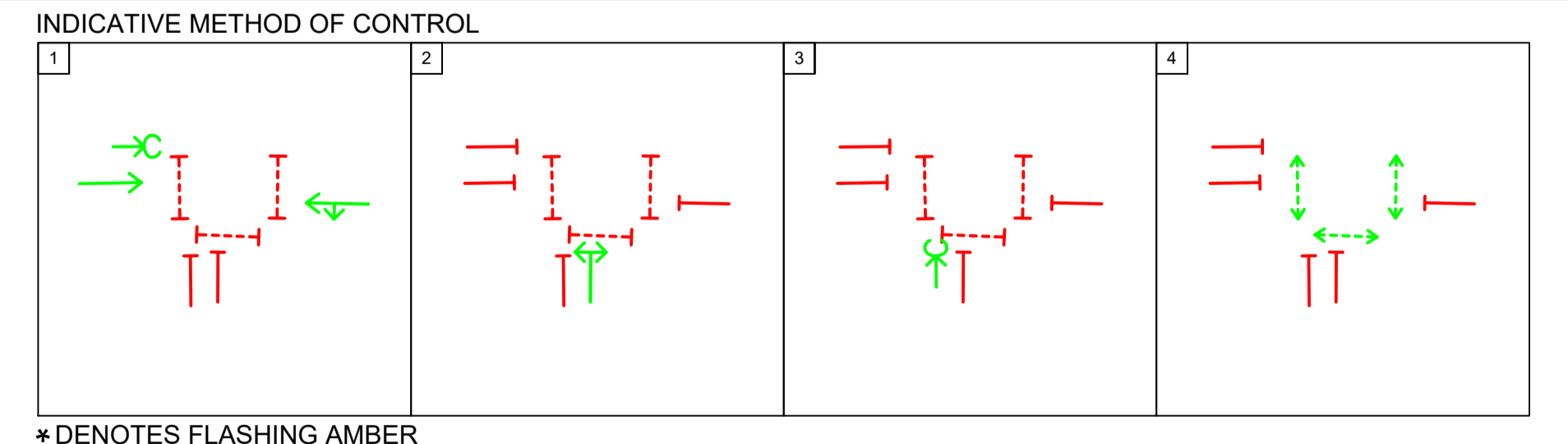
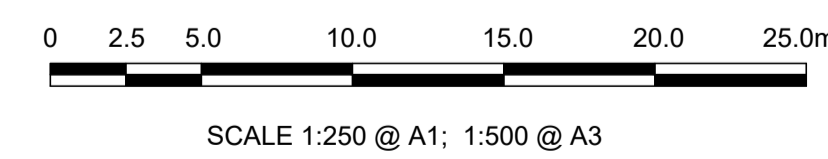
Rev	Date	Drn	Chk'd	App'd	Description
M01	27/01/2023	GMcT	TM	DC	ISSUE FOR PHASE 4: PLANNING

Client		Engineering Designer		Programme Title	
NTA Údarás Náisiúnta Iompair National Transport Authority		ARUP		BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS	
Date	Scale	Drawn	Checked	Approved	Drawing Title
27/01/2023	1:250 @ A1 1:500 @ A3	GMcT	TM	DC	TEMPLEOGUE / RATHFARNHAM TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN SOUTH GREAT GEORGES STREET / EXCHEQUER STREET JUNCTION
Project Code	Originator Code	QMS Code		Drawing File Name	Sheet Number
BCIDC	ARP	268401-00		BCIDC-ARP-TSM_SJ-1012_XX_00-DR-TR-0029	29 of 47
				Status	Rev
				A	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 (B) PRIMARY
  - RTS 002 (B) 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)
- GENERAL:**
- SITE BOUNDARY LINE
  - TEMPORARY LAND ACQUISITION



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Rev	Date	Drn	Chk'd	App'd	Description
M01	27/01/2023	GMcT	TM	DC	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **ARUP**

Date	Scale	Drawn	Checked	Approved
27/01/2023	1:250 @ A1 1:500 @ A3	GMcT	TM	DC

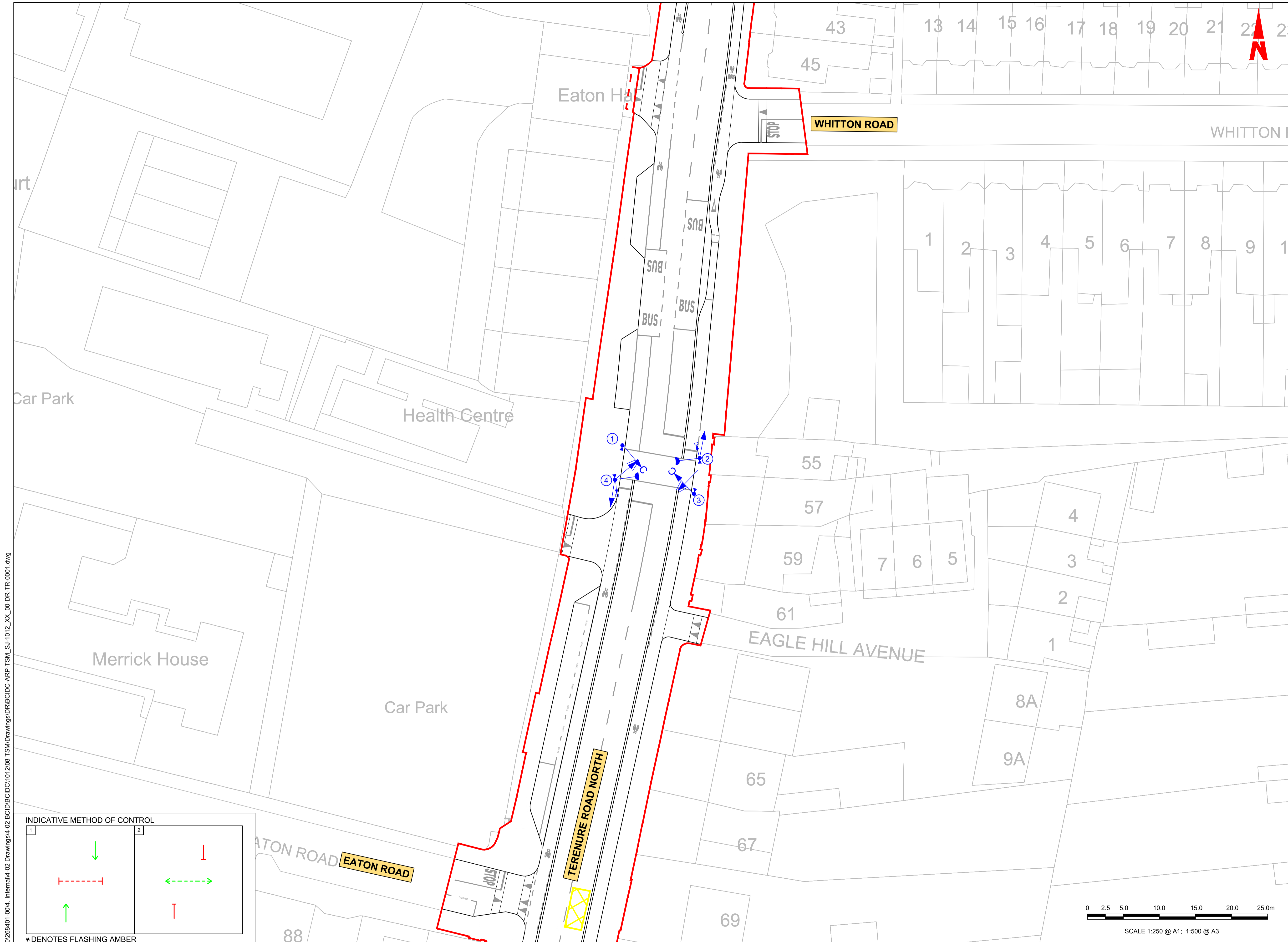
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Programme Title: **BUSCONNECTS DUBLIN**  
**CORE BUS CORRIDORS INFRASTRUCTURE WORKS**

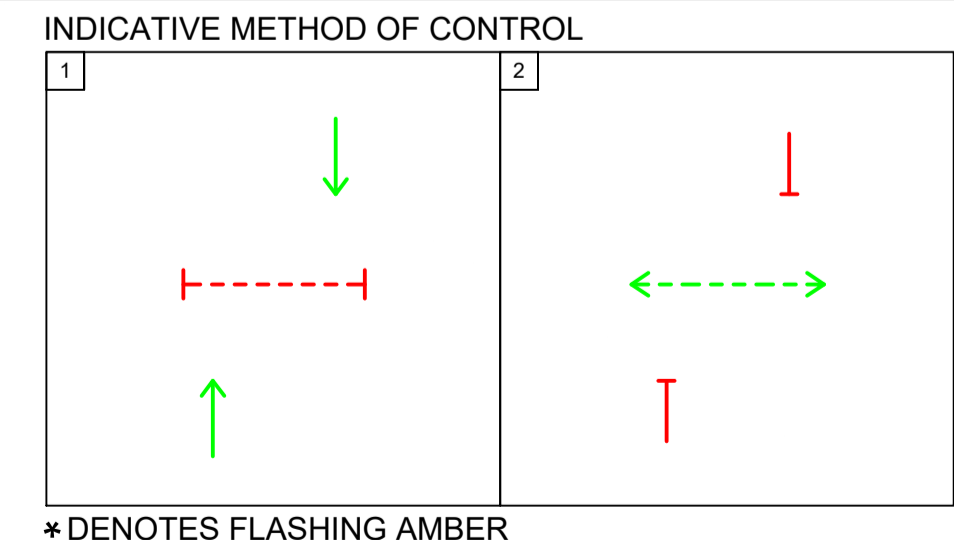
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 JUNCTION SYSTEMS DESIGN  
 SOUTH GREAT GEORGES STREET / DAME STREET JUNCTION

Drawing File Name	Sheet Number	Status	Rev
BCIDC-ARP-TSM_SJ-1012_XX_00-DR-TR-0030	30 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)
  - GENERAL:**
    - SITE BOUNDARY LINE
    - TEMPORARY LAND ACQUISITION



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M01	27/01/2023	GMcT	TM	DC	ISSUE FOR PHASE 4: PLANNING

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

**Engineering Designer**  
ARUP

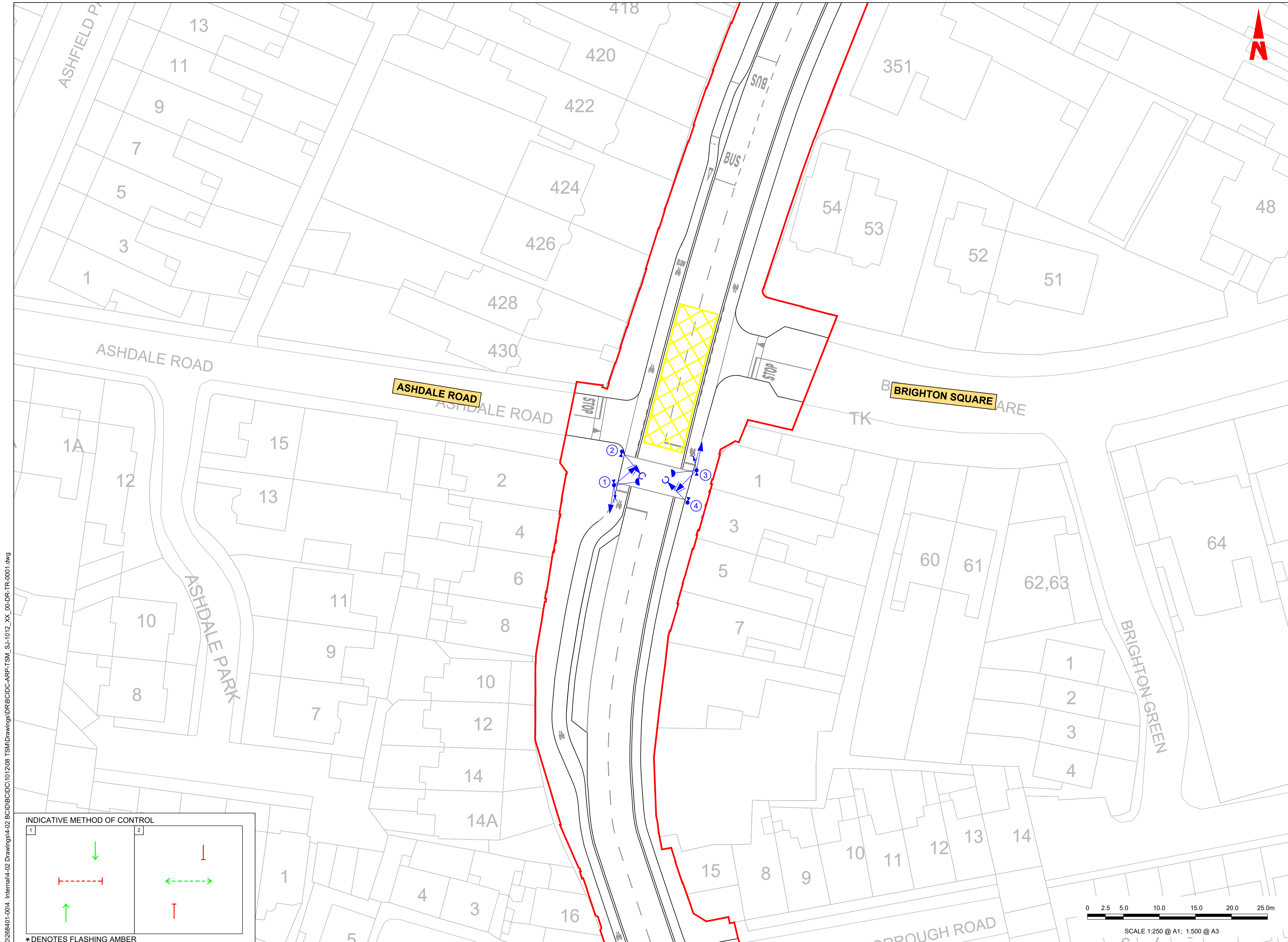
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CORE BUS CORRIDORS INFRASTRUCTURE WORKS

**Drawing Title**  
TEMPLEOGUE / RATHFARNHAM TO CITY CENTRE CORE BUS CORRIDOR SCHEME  
JUNCTION SYSTEMS DESIGN  
TERENURE ROAD NORTH PEDESTRIAN CROSSING

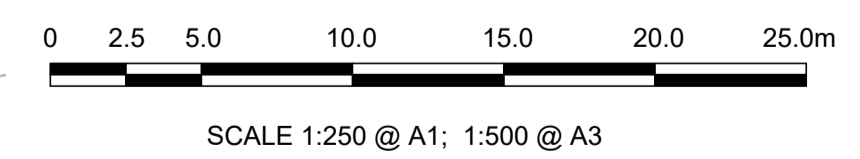
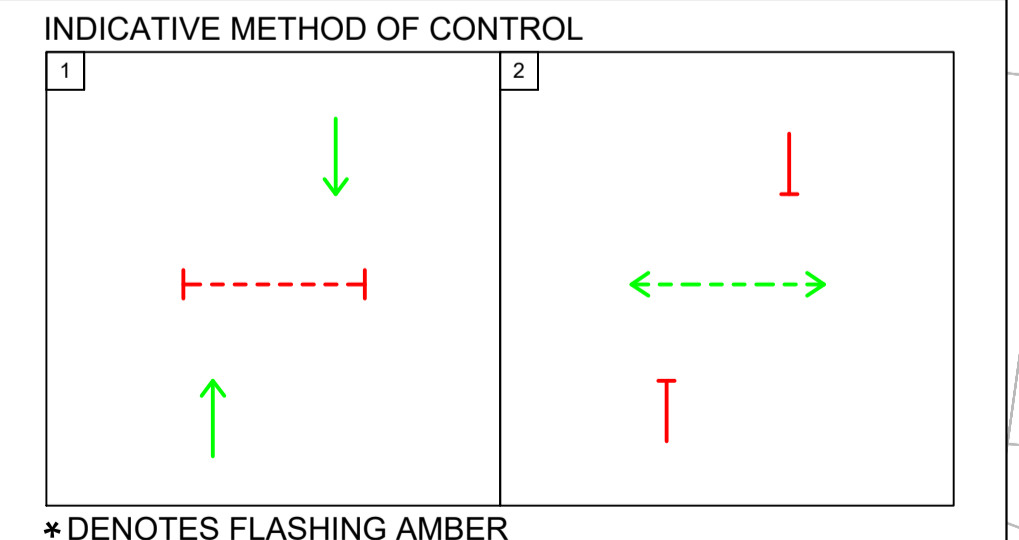
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Project Code	BCIDC	Originator Code	ARP	QMS Code	268401-00				

Drawing File Name	BCIDC-ARP-TSM_SJ-1012_XX_00-DR-TR-0031	Sheet Number	31 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)
  - GENERAL:**
    - SITE BOUNDARY LINE
    - TEMPORARY LAND ACQUISITION



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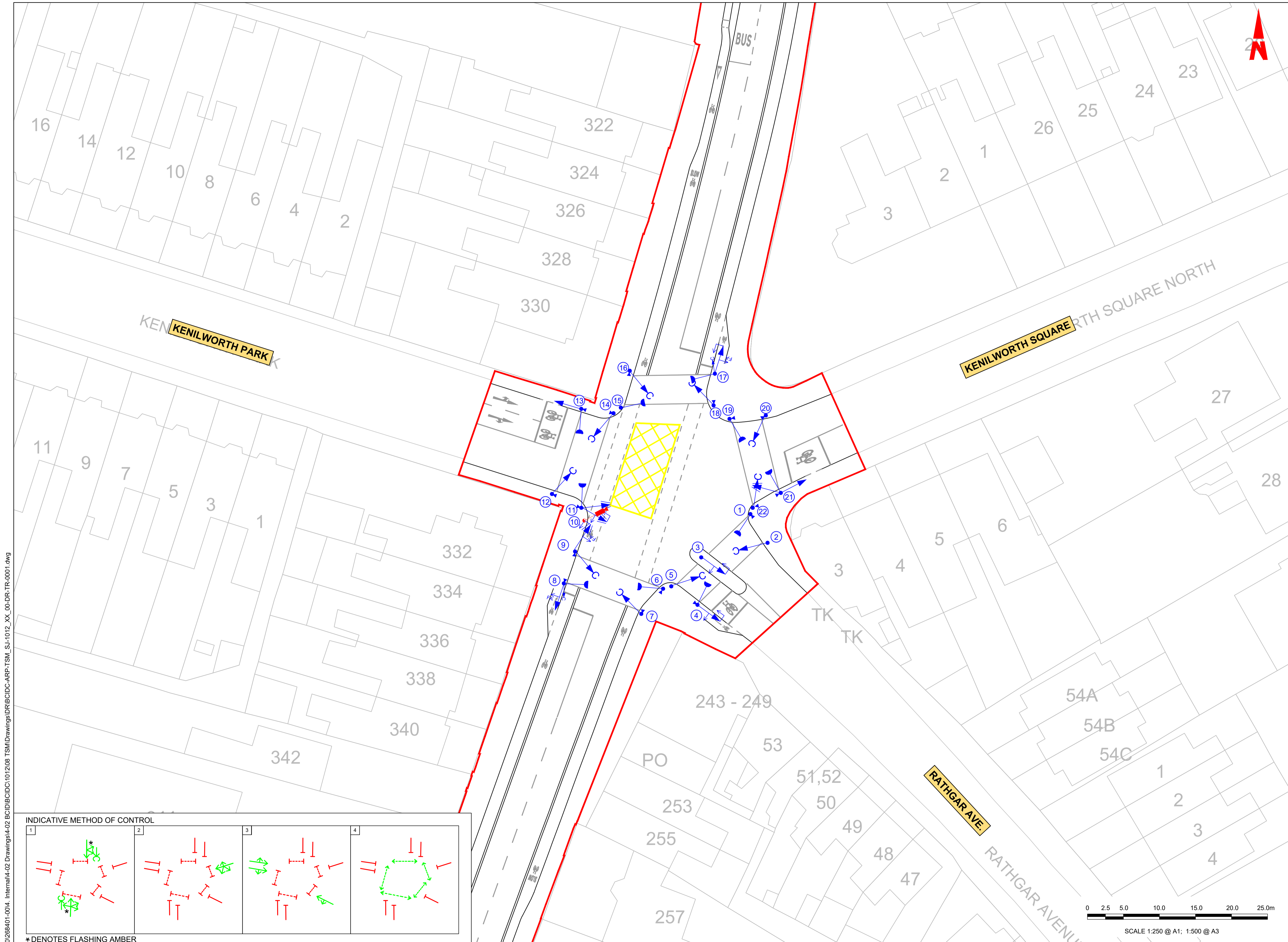
Client  
**NTA**  
 Údarás Náisiúnta Iompair  
 National Transport Authority

Engineering Designer  
**ARUP**

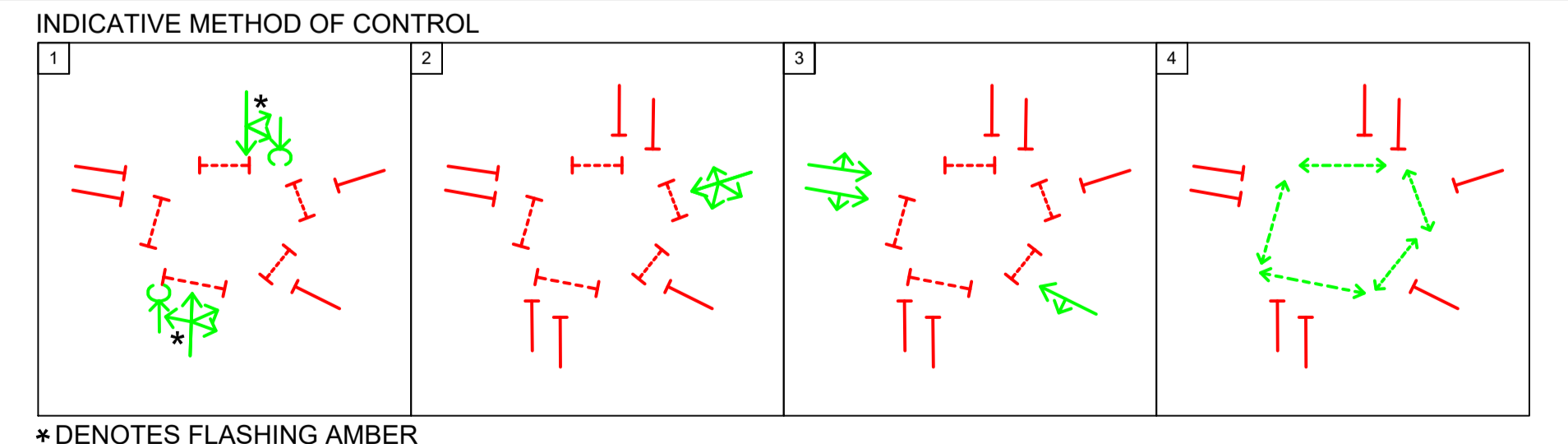
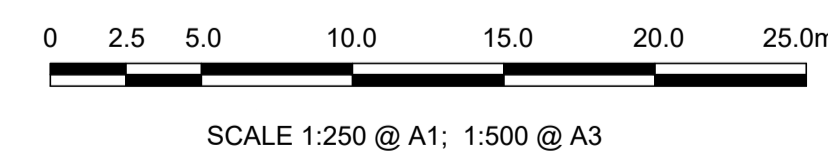
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27/01/2023	1:250 @ A1 1:500 @ A3	GMcT	TM	DC

Programme Title		<b>BUSCONNECTS DUBLIN</b>		
		<b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>		
Drawing Title				
TEMPLEOGUE / RATHFARNHAM TO CITY CENTRE CORE BUS CORRIDOR SCHEME				
JUNCTION SYSTEMS DESIGN				
TERENURE ROAD NORTH TOUCAN CROSSING				
Drawing File Name	Sheet Number	Status	Rev	
BCIDC-ARP-TSM_SJ-1012_XX_00-DR-TR-0032	32 of 47	A	M01	

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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 001 PRIMARY
  - RTS 001 SECONDARY
  - RTS 003 (H) PRIMARY
  - RTS 003 (H) 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)
- GENERAL:**
- SITE BOUNDARY LINE
  - TEMPORARY LAND ACQUISITION



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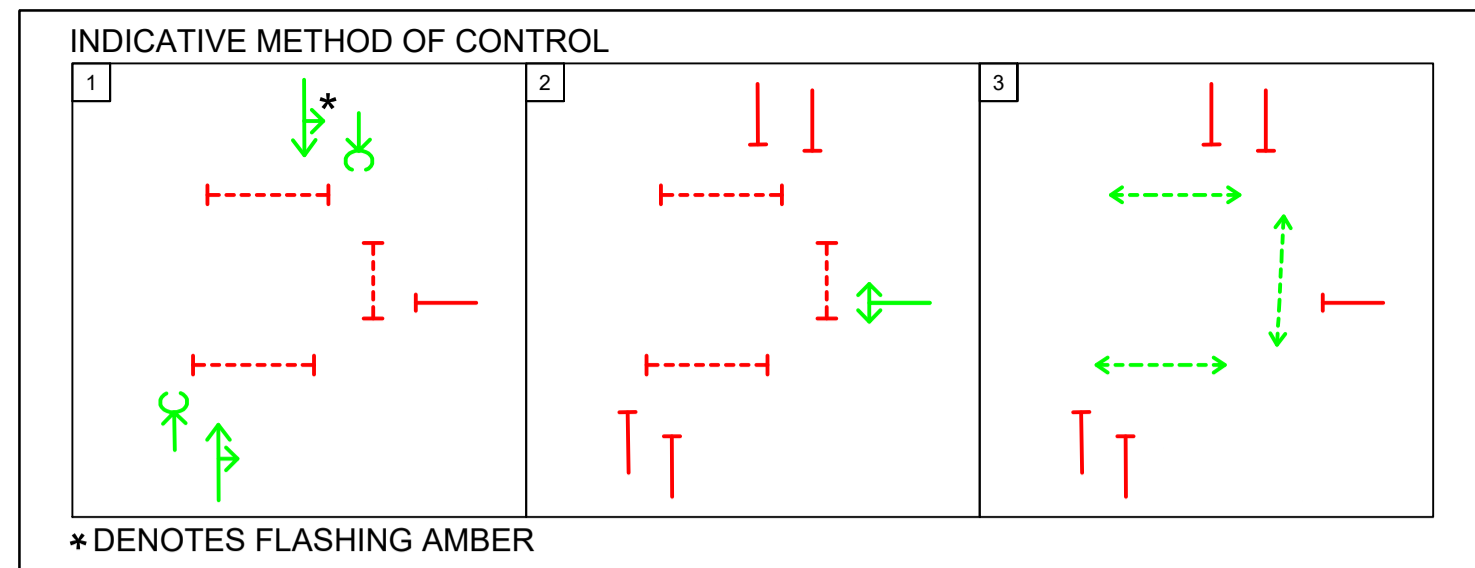
Rev	Date	Drn	Chk'd	App'd	Description
M01	27/01/2023	GMcT	TM	DC	ISSUE FOR PHASE 4: PLANNING

Client

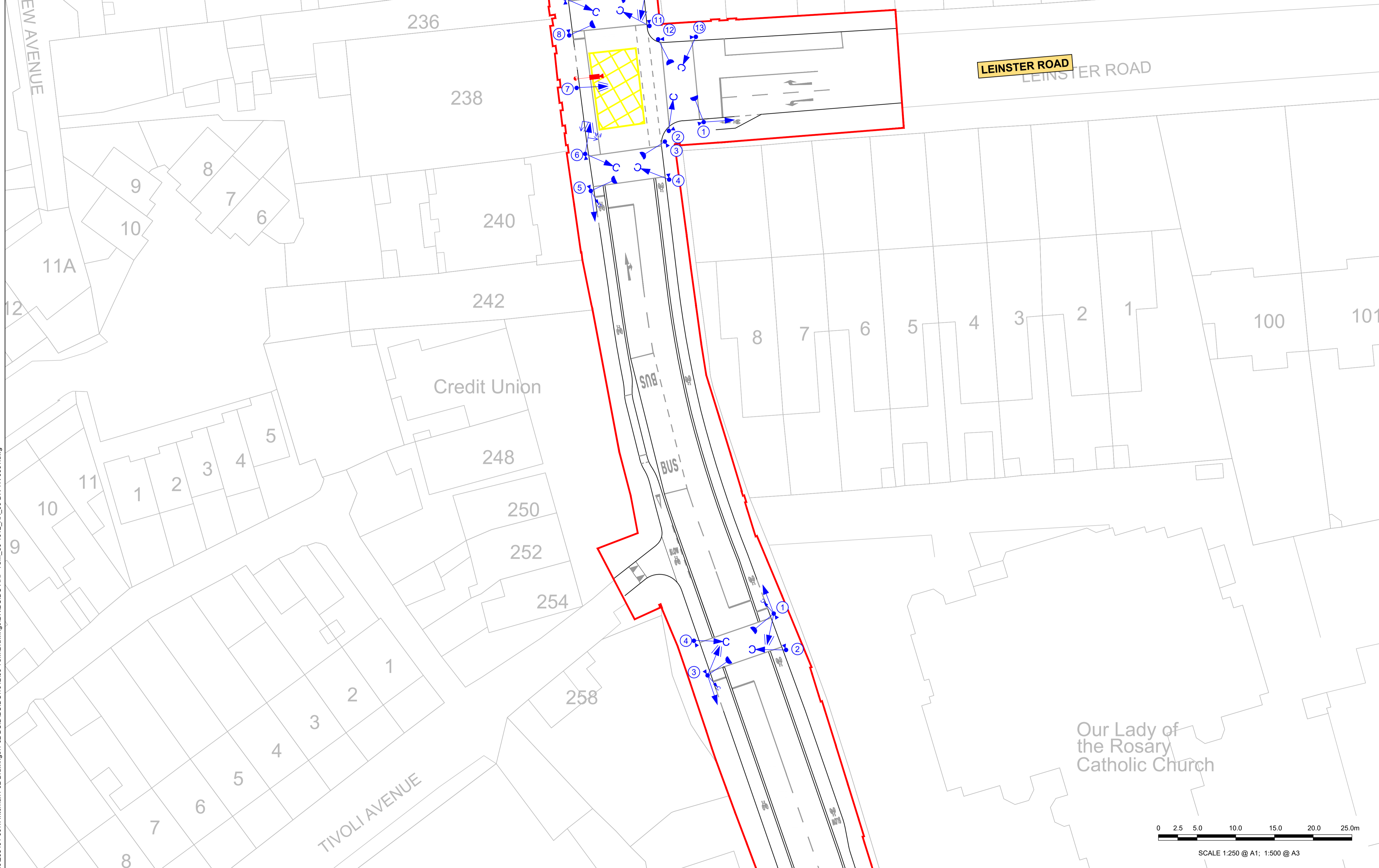
Engineering Designer

Programme Title		<b>BUSCONNECTS DUBLIN</b>		
		<b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>		
Drawing Title				
TEMPLEOGUE / RATHFARNHAM TO CITY CENTRE CORE BUS CORRIDOR SCHEME				
JUNCTION SYSTEMS DESIGN				
HAROLDS CROSS ROAD / KENILWORTH PARK JUNCTION				
Drawing File Name	Sheet Number	Status	Rev	
BCIDC-ARP-TSM_SJ-1012_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 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)
- GENERAL:**
- SITE BOUNDARY LINE
  - TEMPORARY LAND ACQUISITION

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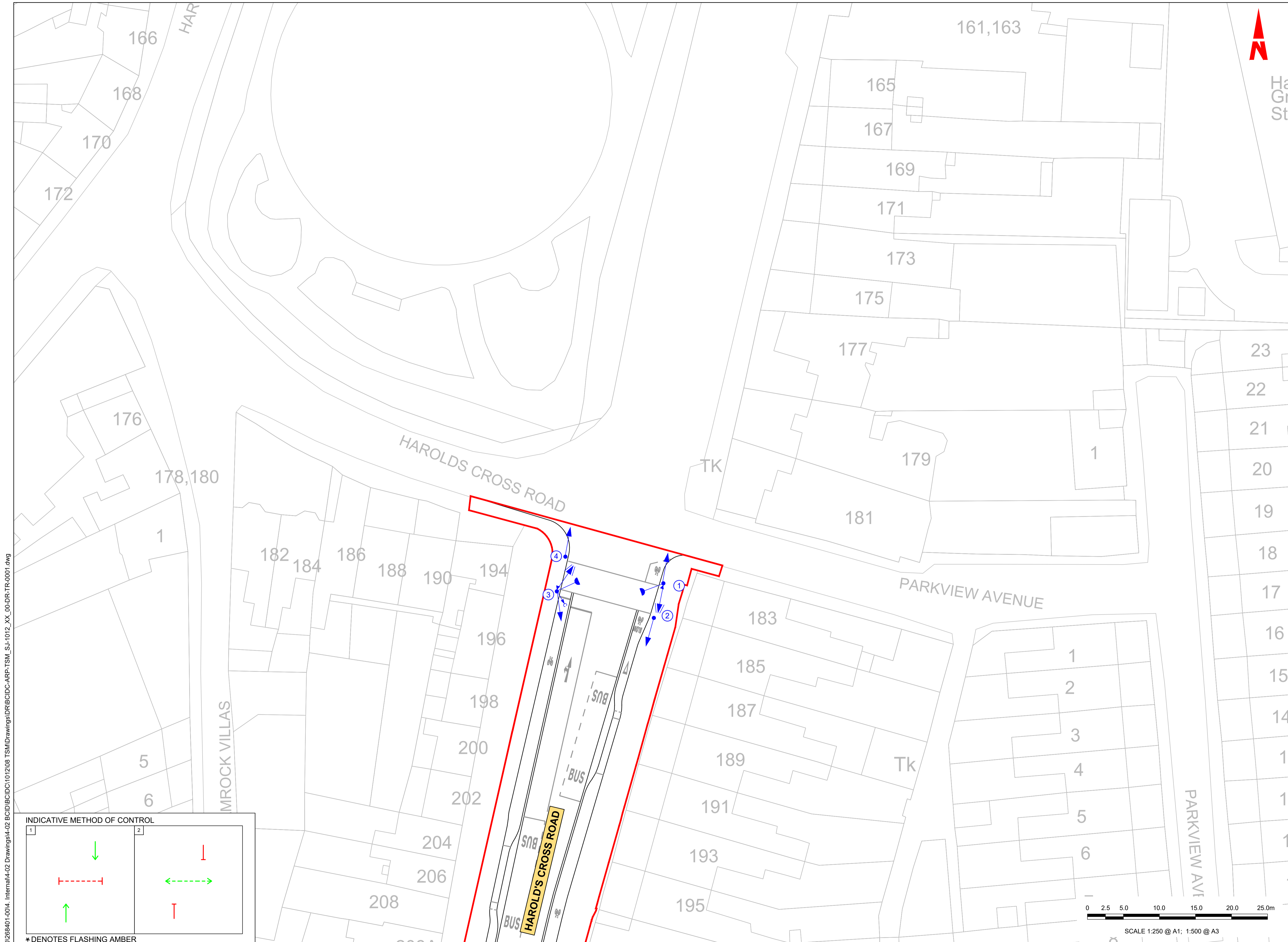
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Client

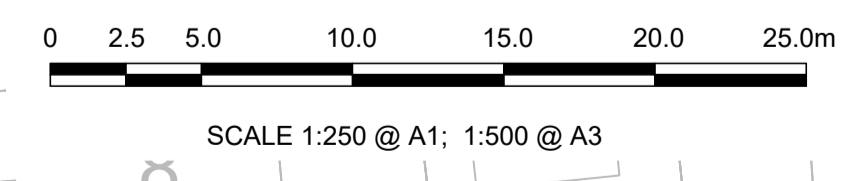
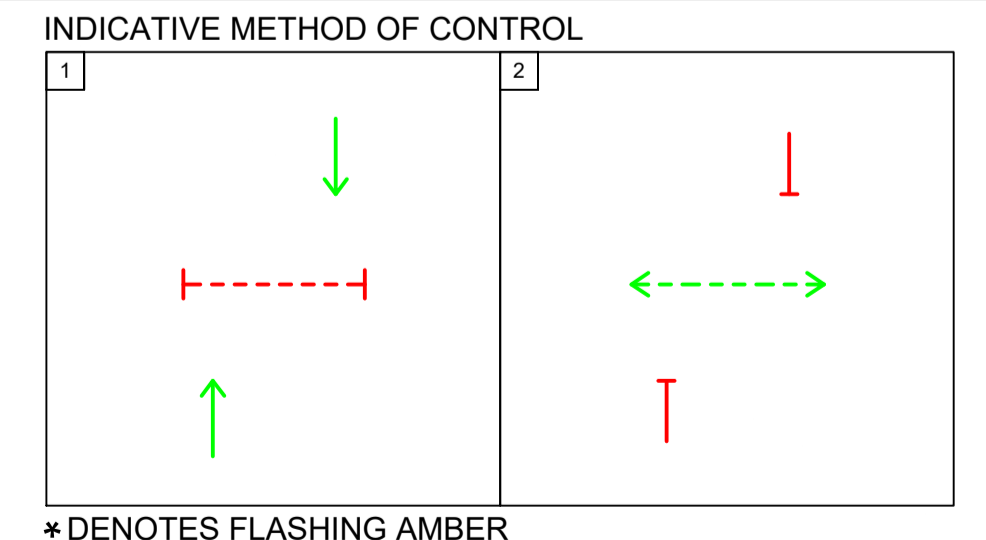
Engineering Designer

Programme Title		<b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>		
Drawing Title		TEMPLEOGUE / RATHFARNHAM TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN HAROLDS CROSS ROAD / LEINSTER ROAD JUNCTION		
Date	Scale	Drawn	Checked	Approved
27/01/2023	1:250 @ A1 1:500 @ A3	GMcT	TM	DC
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BCIDC	ARP			
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BCIDC-ARP-TSM_SJ-1012_XX_00-DR-TR-0034	34 of 47	A	M01	

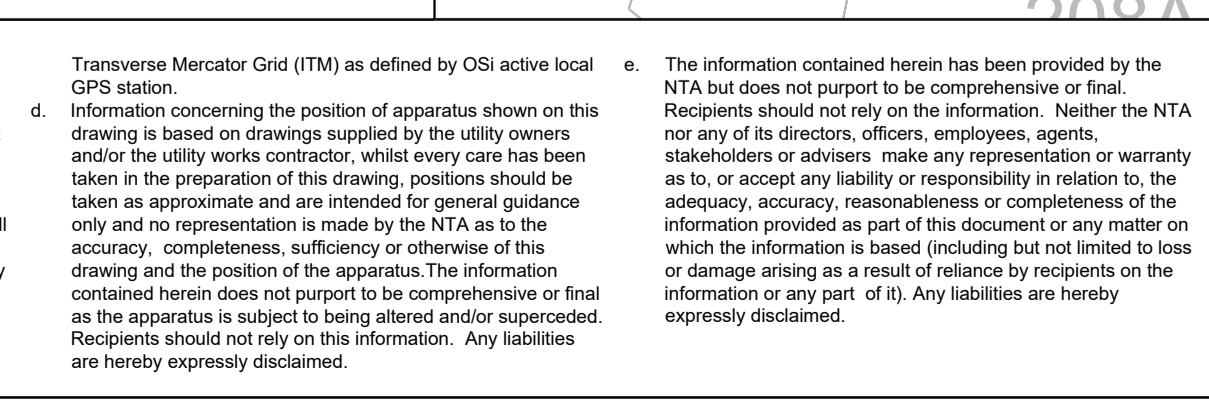
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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
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    - RTS 007 (LOW LEVEL) PRIMARY
    - RPC 004 PEDESTRIAN HEAD
  - TRAFFIC SIGNAL EQUIPMENT:**
    - PUSH BUTTON UNIT
    - POLE (STANDARD HEIGHT)
  - GENERAL:**
    - SITE BOUNDARY LINE
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 National Transport Authority

Engineering Designer  
**ARUP**

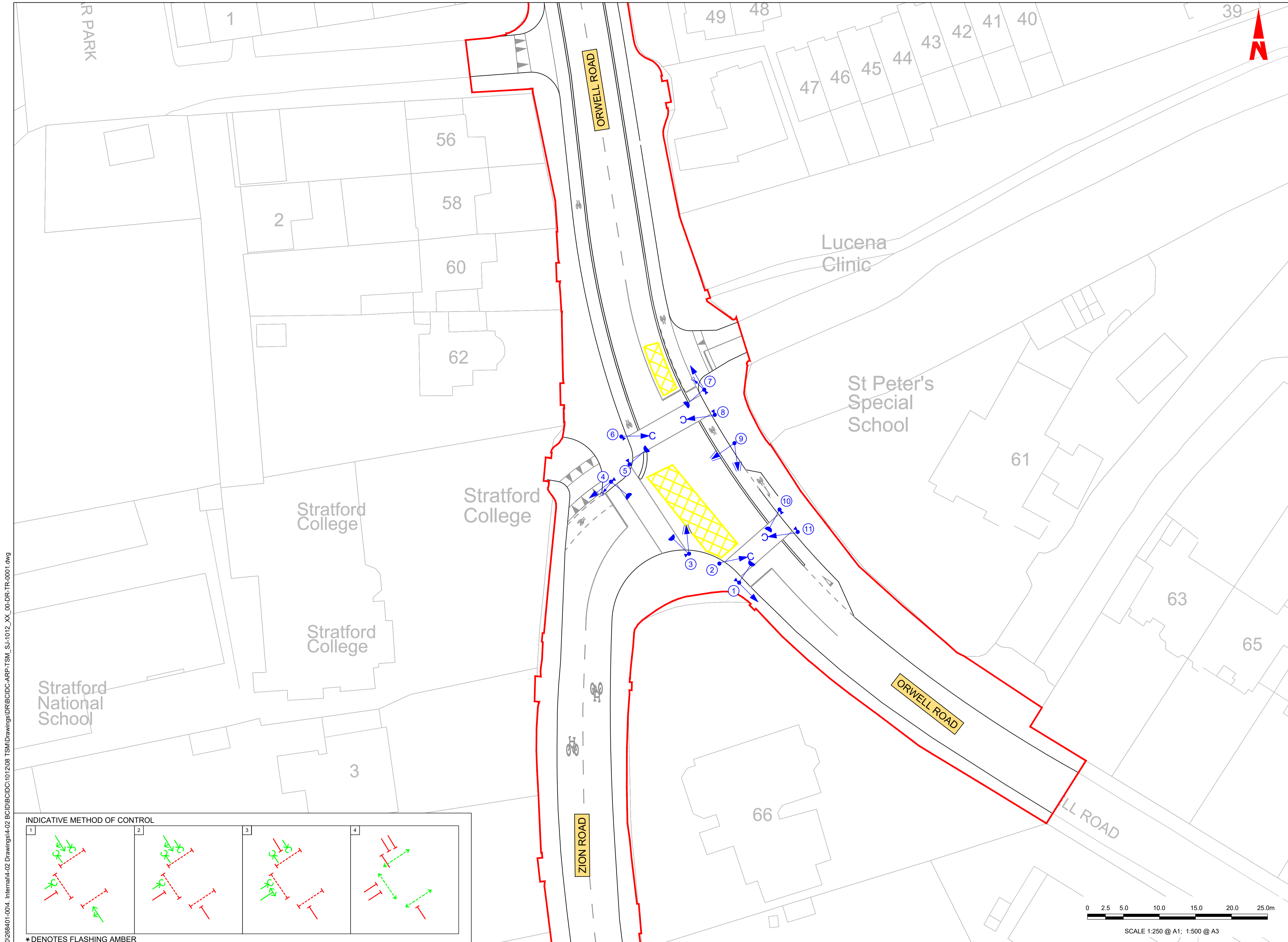
Date	Scale	Drawn	Checked	Approved
27/01/2023	1:250 @ A1 1:500 @ A3	GMcT	TM	DC

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

Drawing Title  
 TEMPLEOGUE / RATHFARNHAM TO CITY CENTRE CORE BUS CORRIDOR SCHEME  
 JUNCTION SYSTEMS DESIGN  
 HAROLD'S CROSS ROAD / PARKVIEW AVENUE JUNCTION

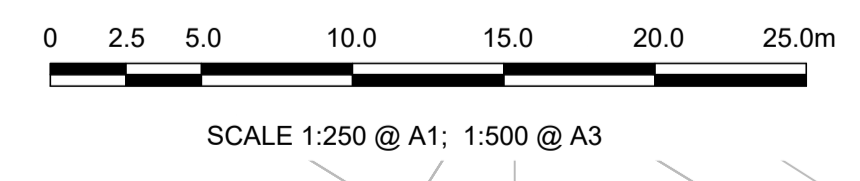
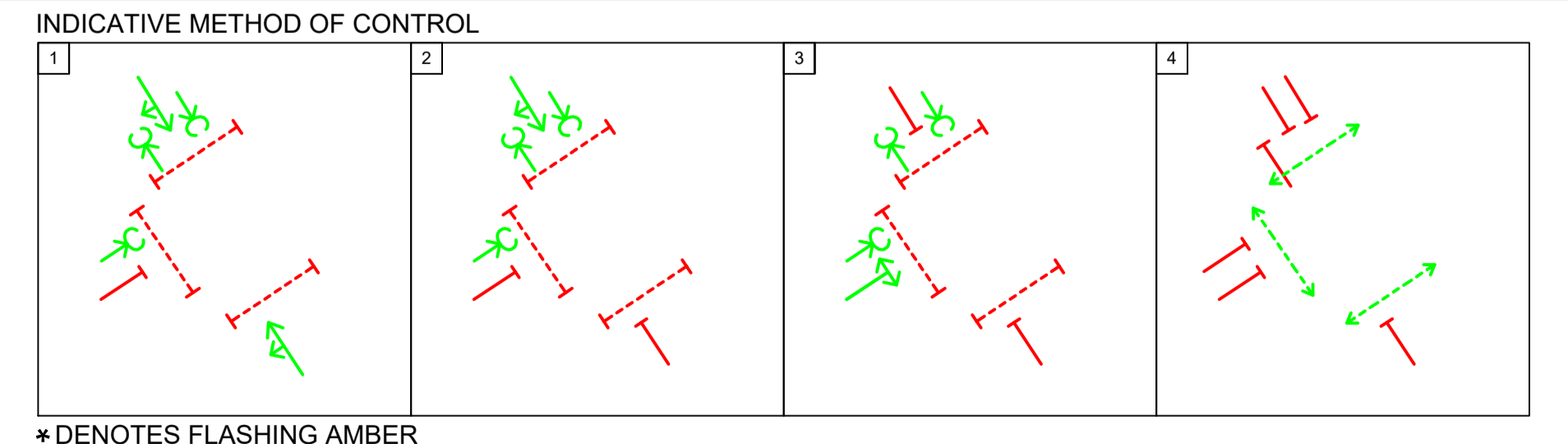
Drawing File Name	Sheet Number	Status	Rev
BCIDC-ARP-TSM_SJ-1012_XX_00-DR-TR-0035	35 of 47	A	M01

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

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M01	27/01/2023	GMcT	TM	DC	ISSUE FOR PHASE 4: PLANNING

Client

Engineering Designer

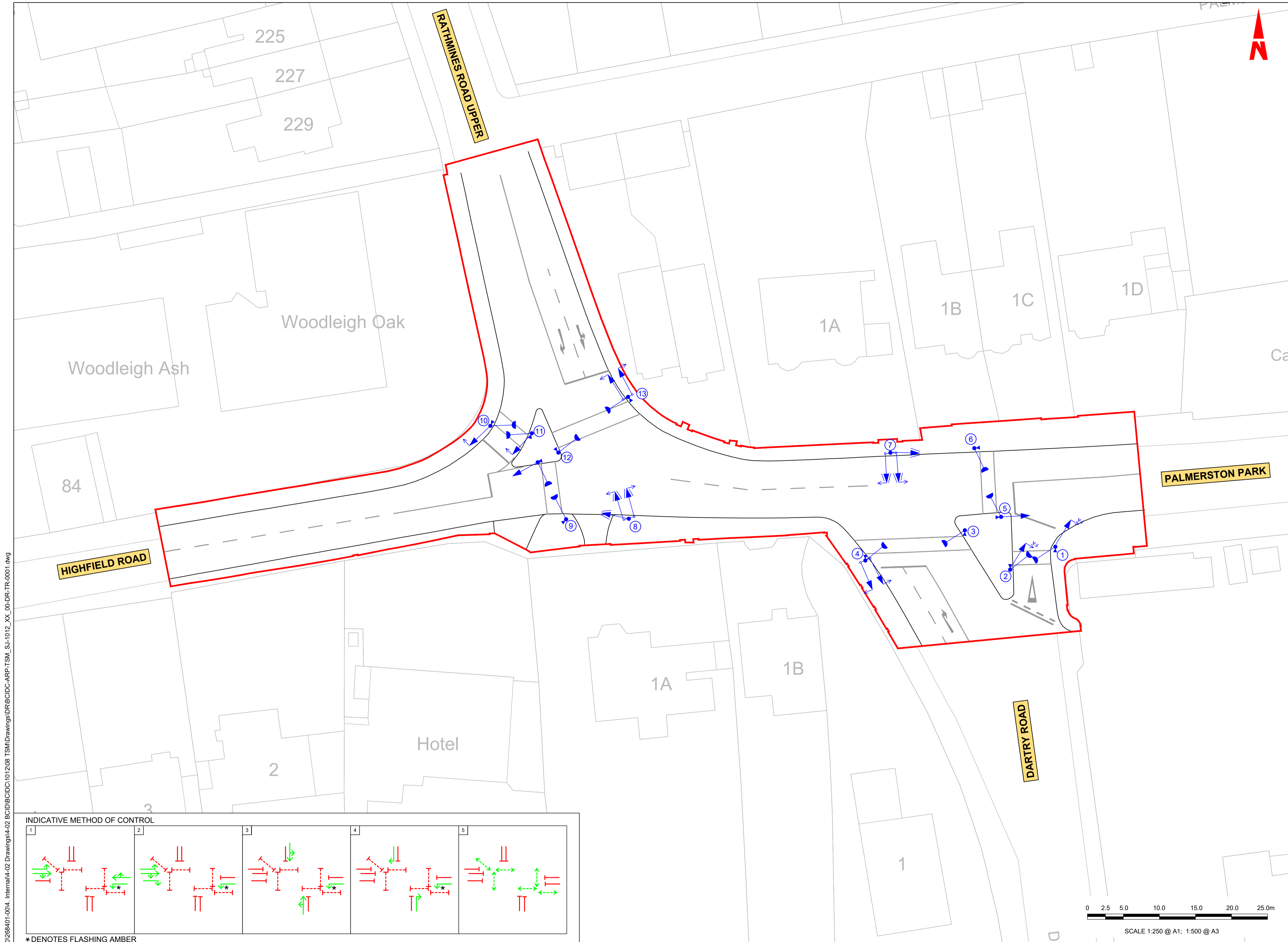
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Project Code: BCIDC | Originator Code: ARP | QMS Code: 268401-00

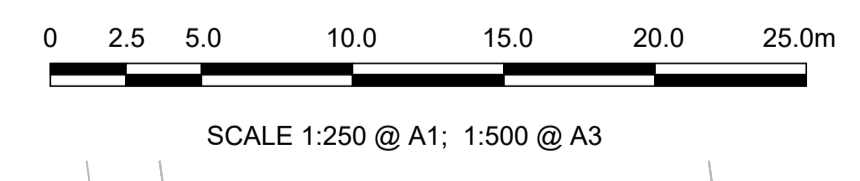
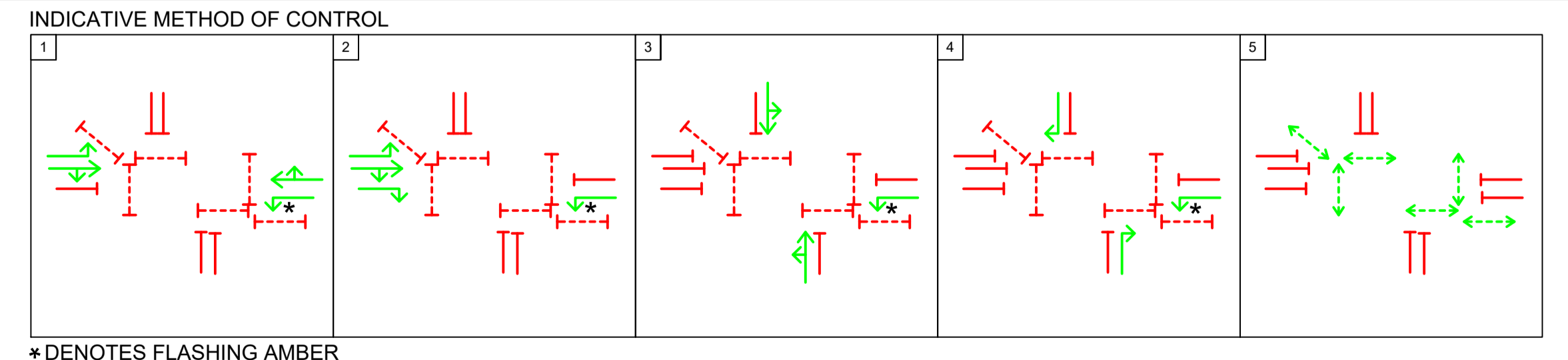
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Drawing Title TEMPLEOGUE / RATHFARNHAM TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN ORWELL ROAD / ZION ROAD			
Drawing File Name BCIDC-ARP-TSM_SJ-1012_XX_00-DR-TR-0036	Sheet Number 36 of 47	Status A	Rev M01

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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
    - RTS 001 PRIMARY
    - RTS 001 SECONDARY
    - RTS 002 (A) SECONDARY
    - RTS 002 (C) SECONDARY
    - RTS 004 PRIMARY
    - RPC 004 PEDESTRIAN HEAD
  - TRAFFIC SIGNAL EQUIPMENT:**
    - PUSH BUTTON UNIT
  - GENERAL:**
    - SITE BOUNDARY LINE
    - TEMPORARY LAND ACQUISITION



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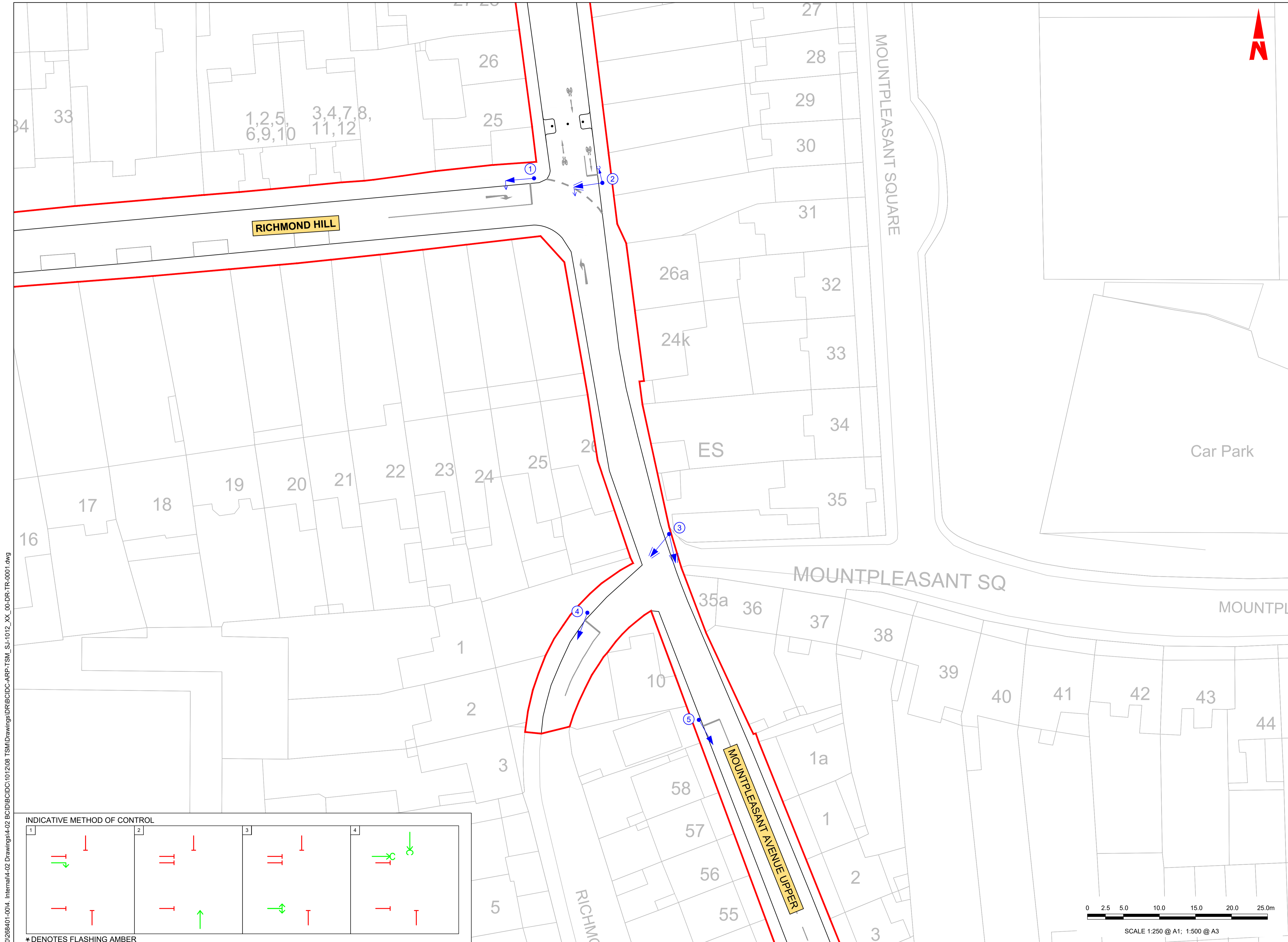
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M01	27/01/2023	GMcT	TM	DC	ISSUE FOR PHASE 4: PLANNING

Client

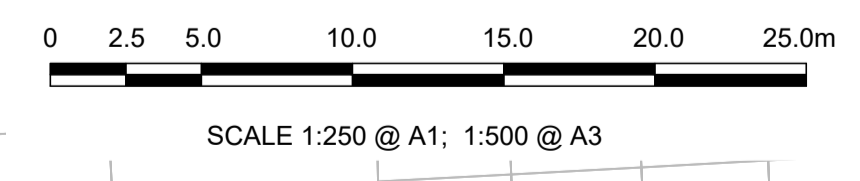
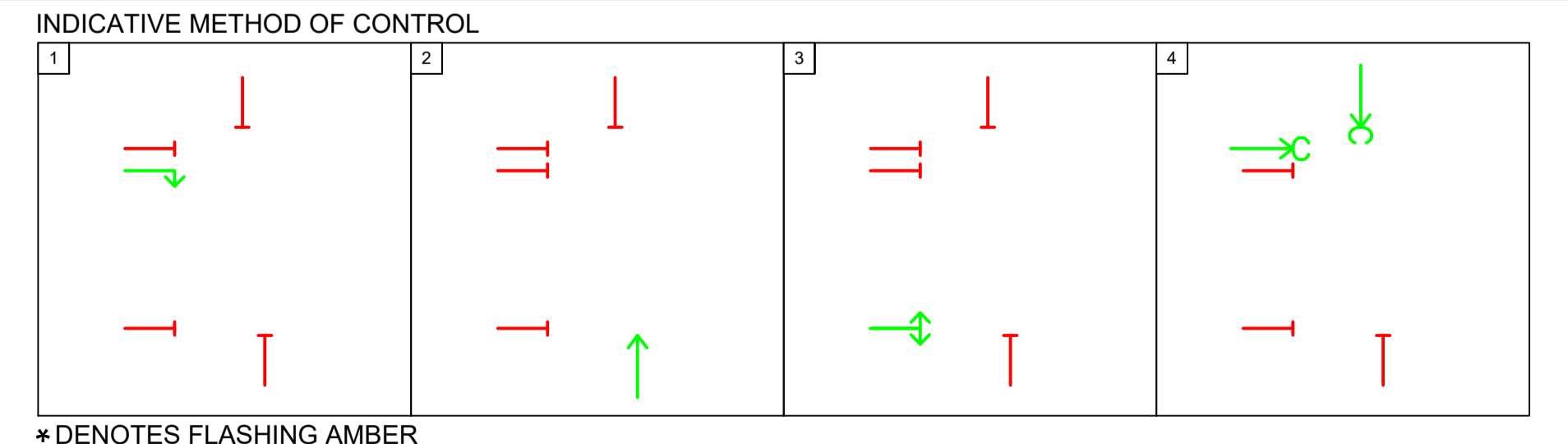
Engineering Designer

Programme Title		<b>BUSCONNECTS DUBLIN</b>		
		<b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>		
Drawing Title				
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JUNCTION SYSTEMS DESIGN				
HIGHFIELD ROAD / RATHMINES ROAD UPPER				
Drawing File Name	Sheet Number	Status	Rev	
BCIDC-ARP-TSM_SJ-1012_XX_00-DR-TR-0037	37 of 47	A	M01	

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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
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    - RTS 002 (C) PRIMARY
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    - POLE (STANDARD HEIGHT)
  - GENERAL:**
    - SITE BOUNDARY LINE
    - TEMPORARY LAND ACQUISITION



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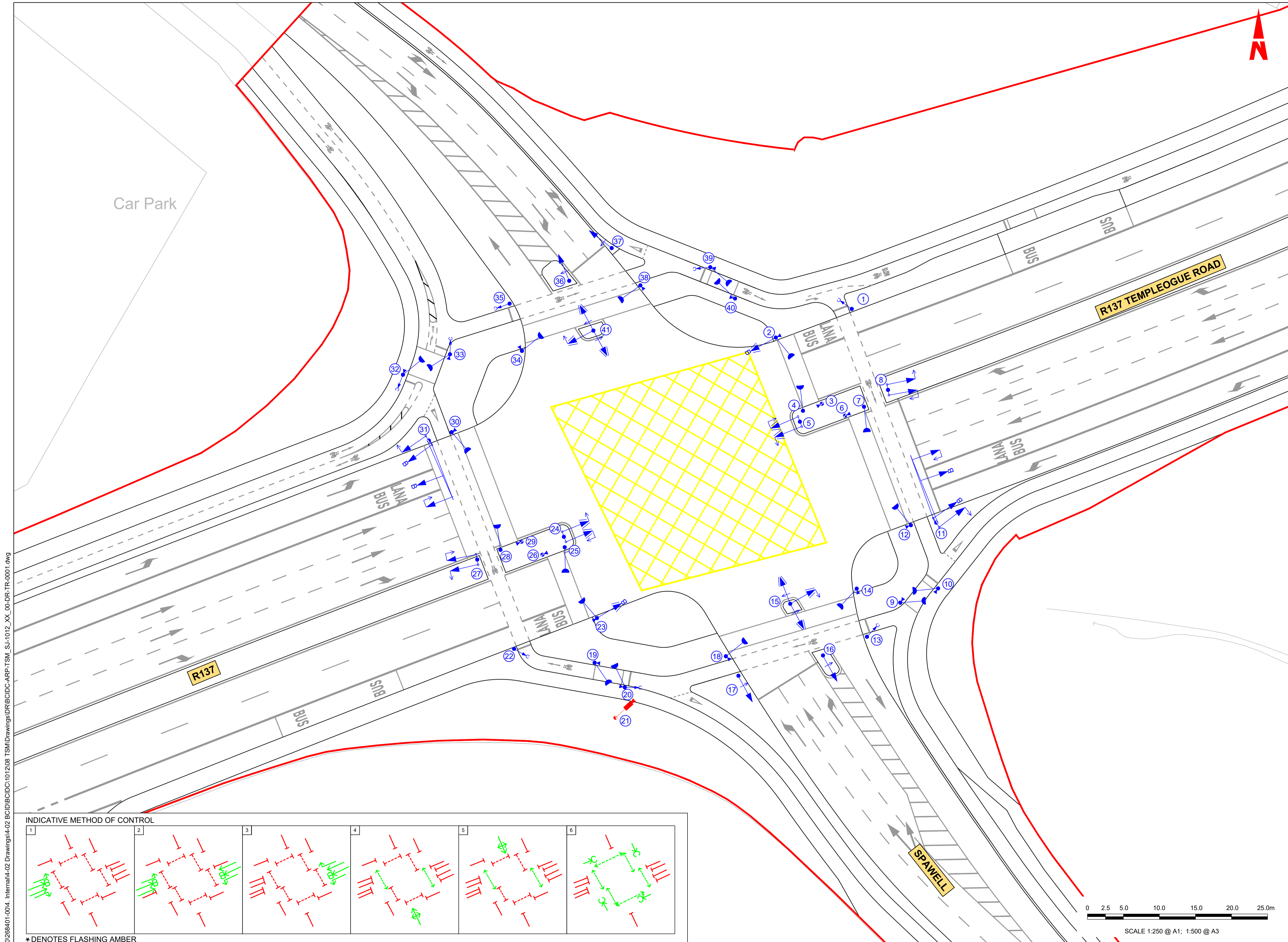
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Client

Engineering Designer

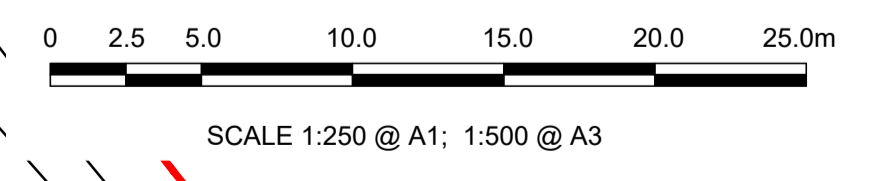
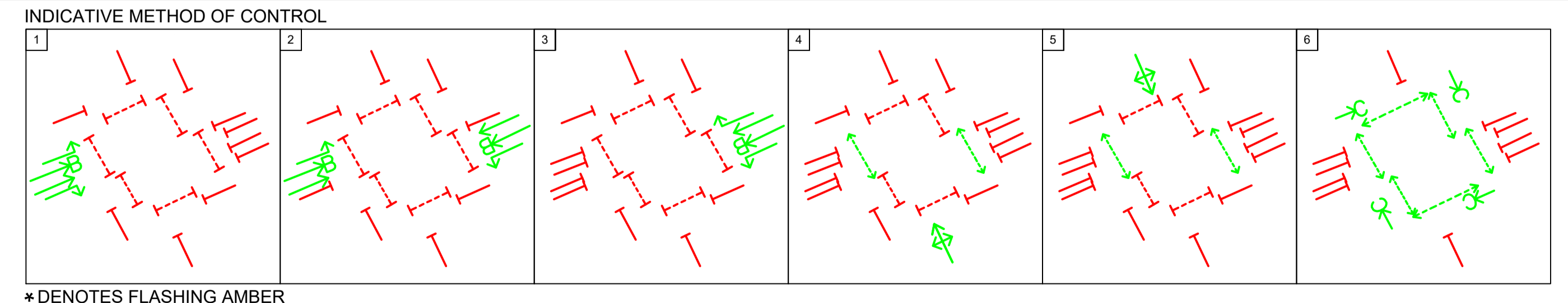
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		<b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>		
Drawing Title				
TEMPLEOGUE / RATHFARNHAM TO CITY CENTRE CORE BUS CORRIDOR SCHEME				
JUNCTION SYSTEMS DESIGN				
RICHMOND HILL / MOUNTPLEASANT AVENUE				
Drawing File Name	Sheet Number	Status	Rev	
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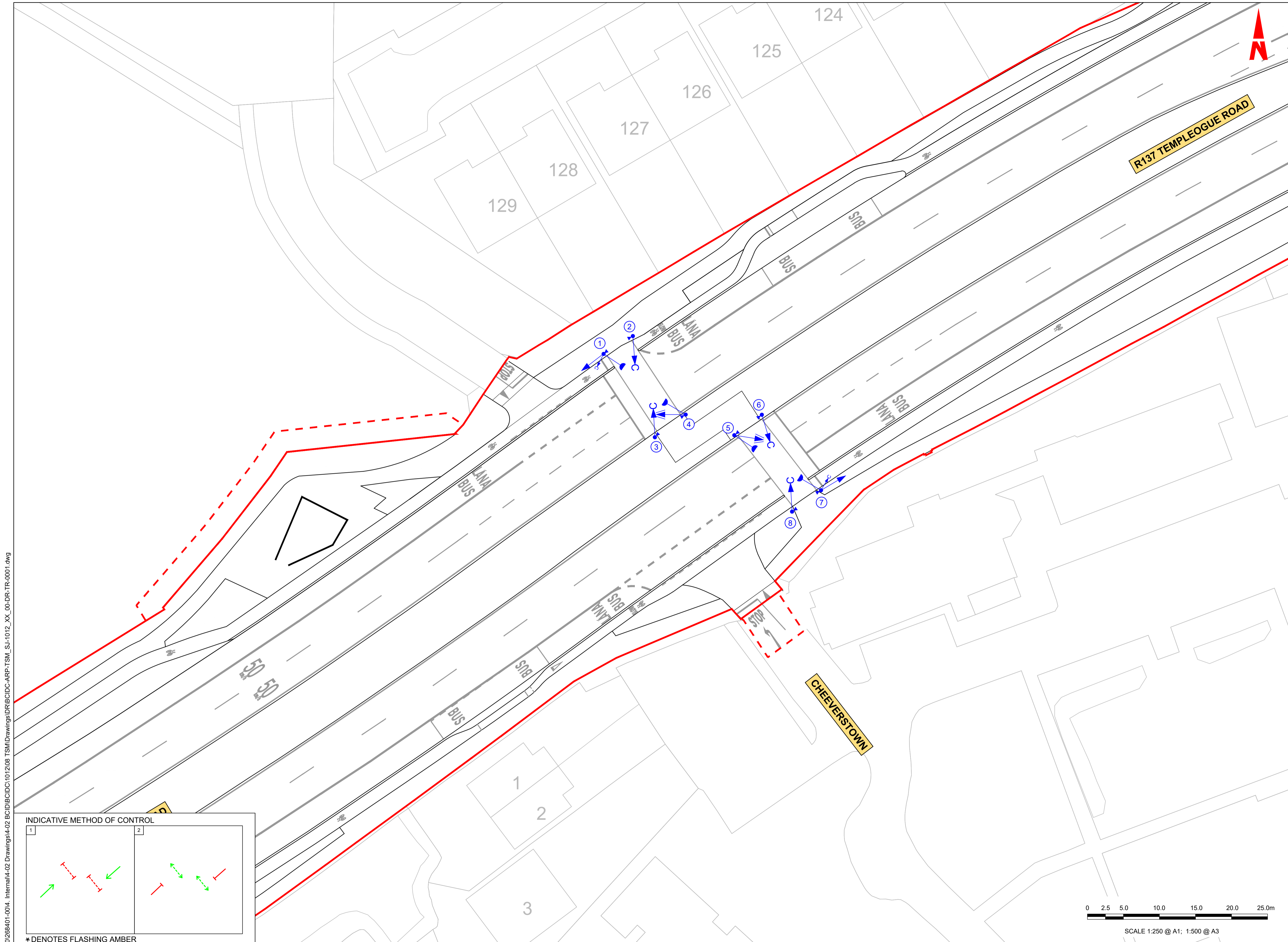
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  - RTS 002 (B) SECONDARY
  - RTS 002 (C) PRIMARY
  - RTS 002 (C) SECONDARY
  - RTS 002 (D) PRIMARY
  - RTS 002 (D) SECONDARY
  - RTS 007 (LOW LEVEL) PRIMARY
  - RPC 004 PEDESTRIAN HEAD
- TRAFFIC SIGNAL EQUIPMENT:**
- PAN / TILT / ZOOM CCTV CAMERA
  - TALL POLE (CCTV/TRAFFIC SIGNALS)
  - MAST ARM (VARIABLE LENGTH)
  - PUSH BUTTON UNIT
  - POLE (STANDARD HEIGHT)
  - SMALL POLE
  - POLE NUMBER
- GENERAL:**
- SITE BOUNDARY LINE
  - TEMPORARY LAND ACQUISITION

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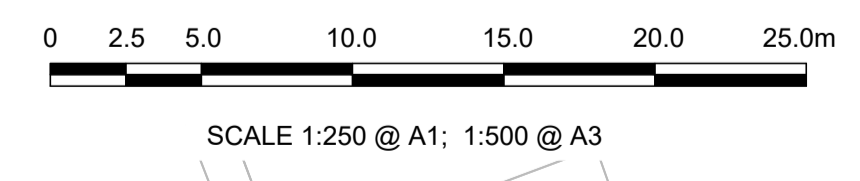
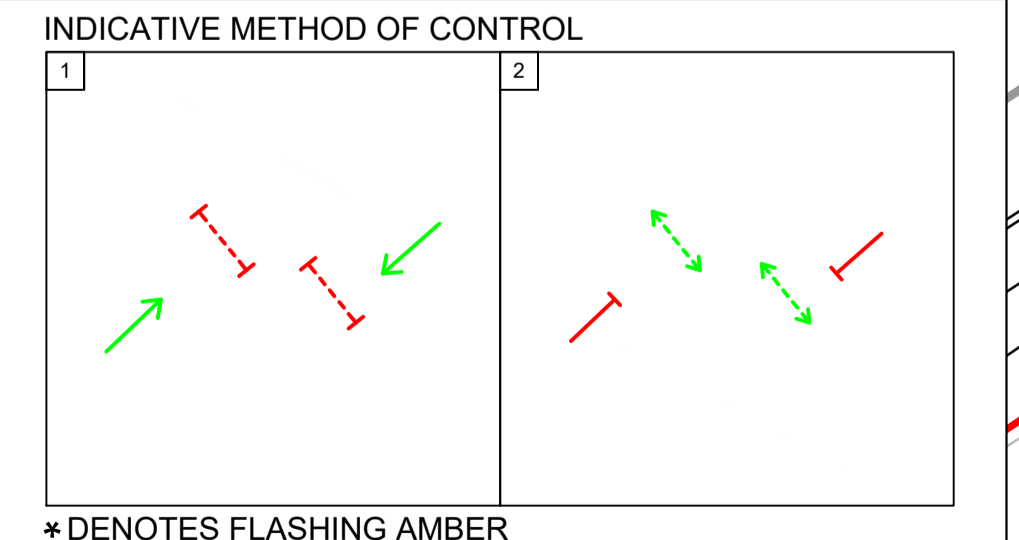


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Rev	Date	Drn	Chk'd	App'd	Description																		
M01	27/01/2023	GMcT	TM	DC	ISSUE FOR PHASE 4: PLANNING																		
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<p>Project Code</p> <p>BCIDC</p>						<p>Originator Code</p> <p>ARP</p>			<p>QMS Code</p> <p>268401-00</p>			<p>Drawing File Name</p> <p>BCIDC-ARP-TSM_SJ-1012_XX_00-DR-TR-0039</p>			<p>Sheet Number</p> <p>39 of 47</p>			<p>Status</p> <p>A</p>			<p>Rev</p> <p>M01</p>		

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



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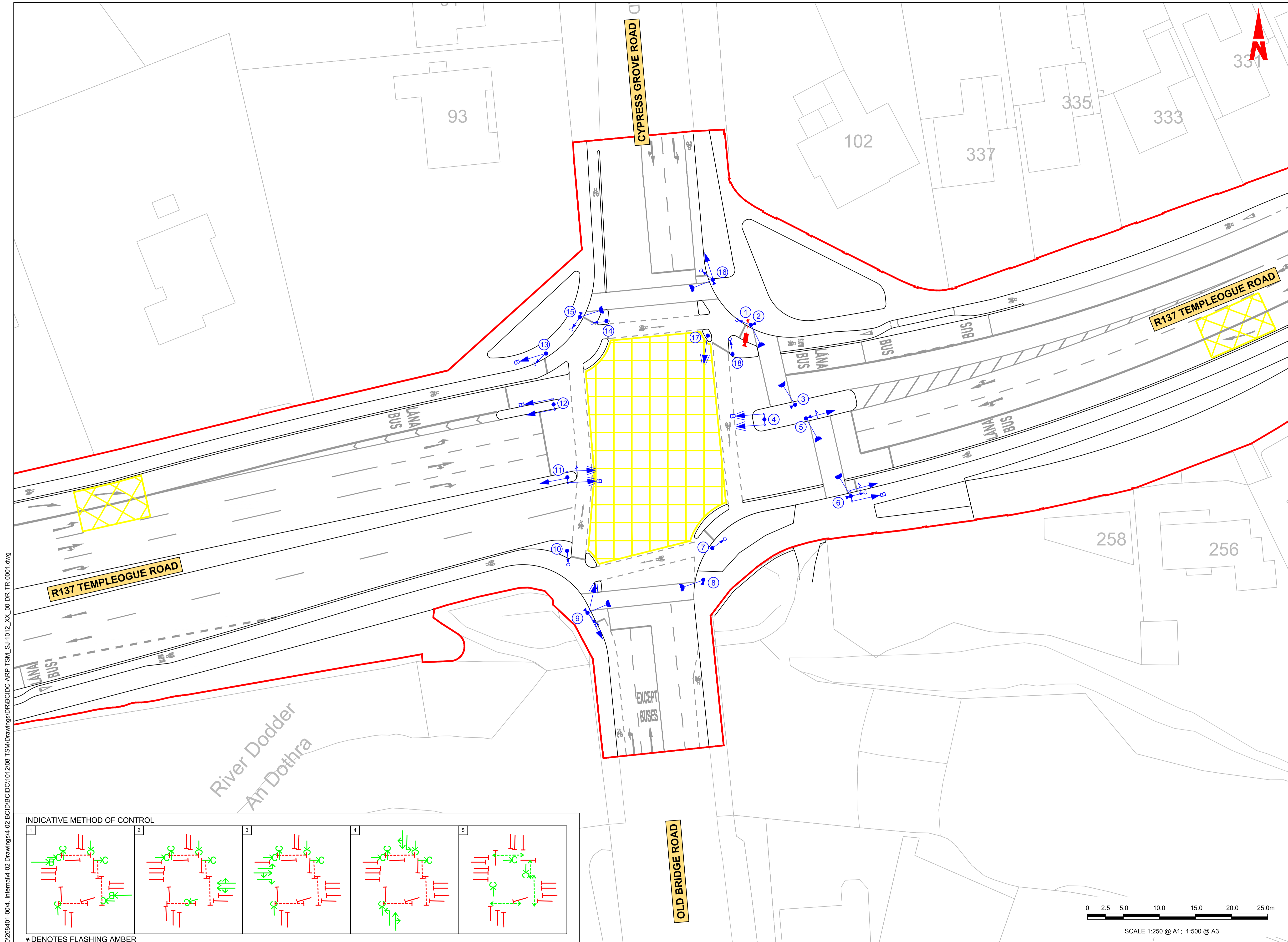
Client

Údarás Náisiúnta Iompair  
National Transport Authority

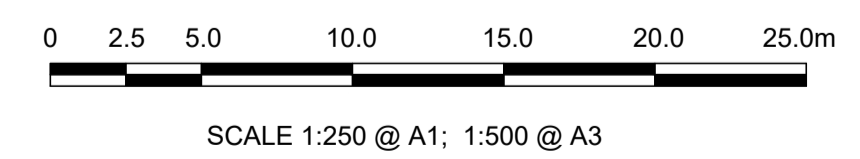
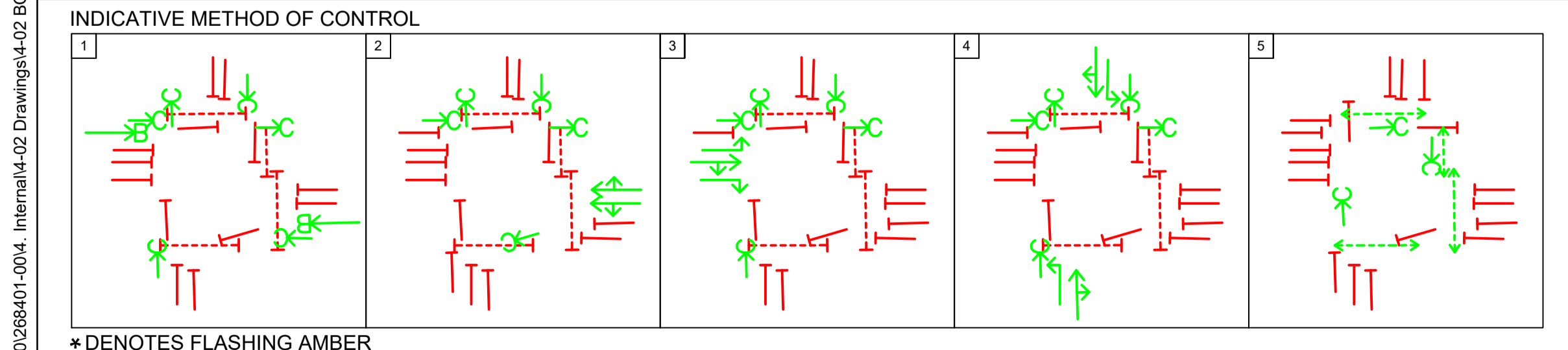
Engineering Designer

<b>Programme Title</b> <b>BUSCONNECTS DUBLIN</b> <b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title TEMPLEOGUE / RATHFARNHAM TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN TEMPLEOGUE ROAD PEDESTRIAN CROSSING				
Date 27/01/2023	Scale 1:250 @ A1 1:500 @ A3	Drawn GMcT	Checked TM	Approved DC
Project Code BCIDC	Originator Code ARP	QMS Code 268401-00	Drawing File Name BCIDC-ARP-TSM_SJ-1012_XX_00-DR-TR-0040	Sheet Number 40 of 47
			Status A	Rev M01

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  - RTS 003 (A) 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	27/01/2023	GMcT	TM	DC	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **ARUP**

Date	27/01/2023	Scale	1:250 @ A1 1:500 @ A3	Drawn	GMcT	Checked	TM	Approved	DC
Project Code	BCIDC	Originator Code	ARP	QMS Code	268401-00				

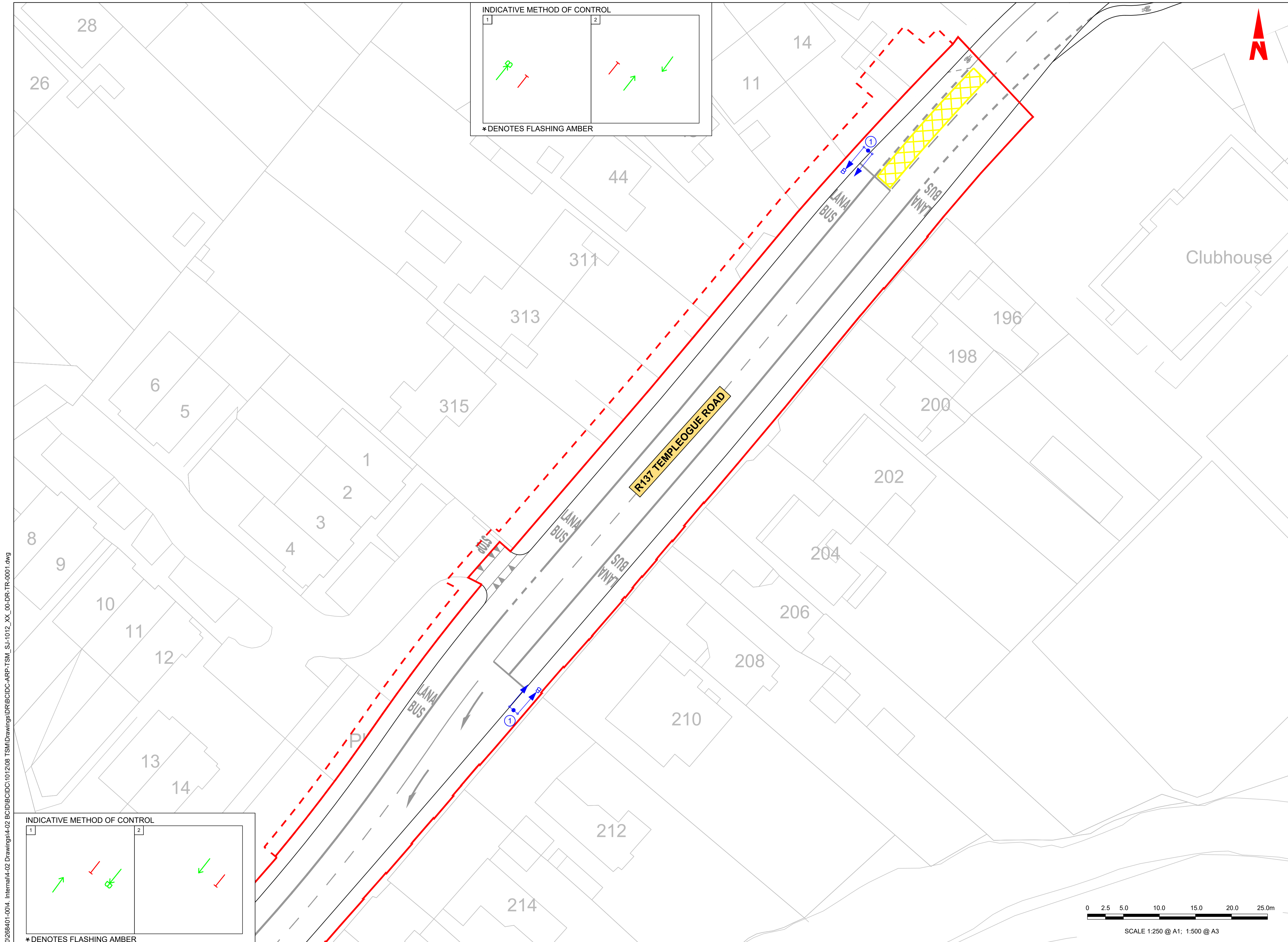
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CORE BUS CORRIDORS INFRASTRUCTURE WORKS**

Drawing Title: **TEMPLEOGUE / RATHFARNHAM TO CITY CENTRE CORE BUS CORRIDOR SCHEME  
JUNCTION SYSTEMS DESIGN  
TEMPLEOGUE ROAD / CYPRESS GROVE ROAD JUNCTION**

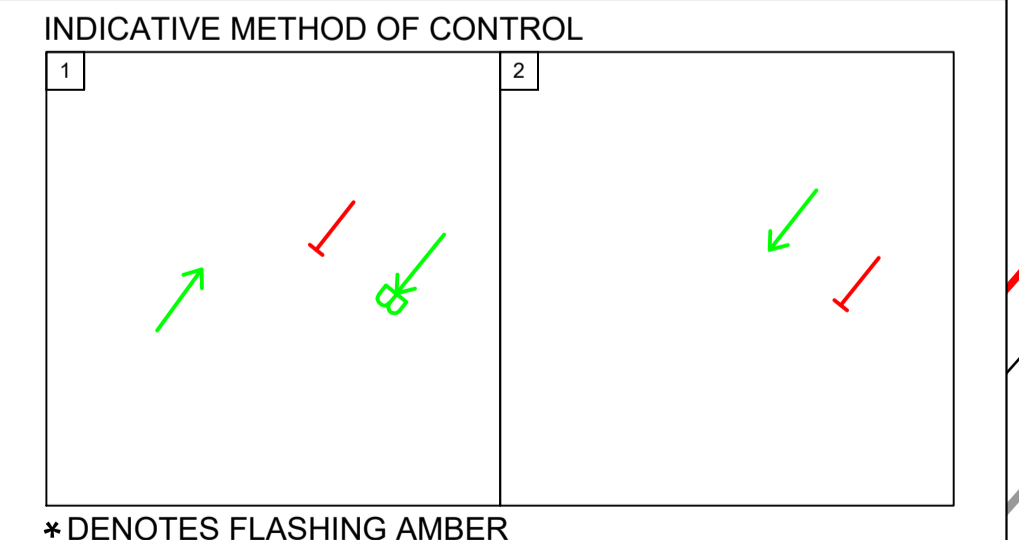
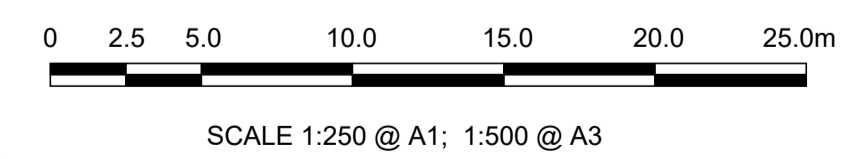
Drawing File Name	BCIDC-ARP-TSM_SJ-1012_XX_00-DR-TR-0041	Sheet Number	41 of 47	Status	A	Rev	M01
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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
    - RTS 001 PRIMARY
    - RTS 002 (D) PRIMARY
  - TRAFFIC SIGNAL EQUIPMENT:**
    - POLE (STANDARD HEIGHT)
    - POLE NUMBER
  - GENERAL:**
    - SITE BOUNDARY LINE
    - TEMPORARY LAND ACQUISITION



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Rev	Date	Drn	Chk'd	App'd	Description
M01	27/01/2023	GMcT	TM	DC	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **ARUP**

Date: 27/01/2023 | Scale: 1:250 @ A1, 1:500 @ A3 | Drawn: GMcT | Checked: TM | Approved: DC

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

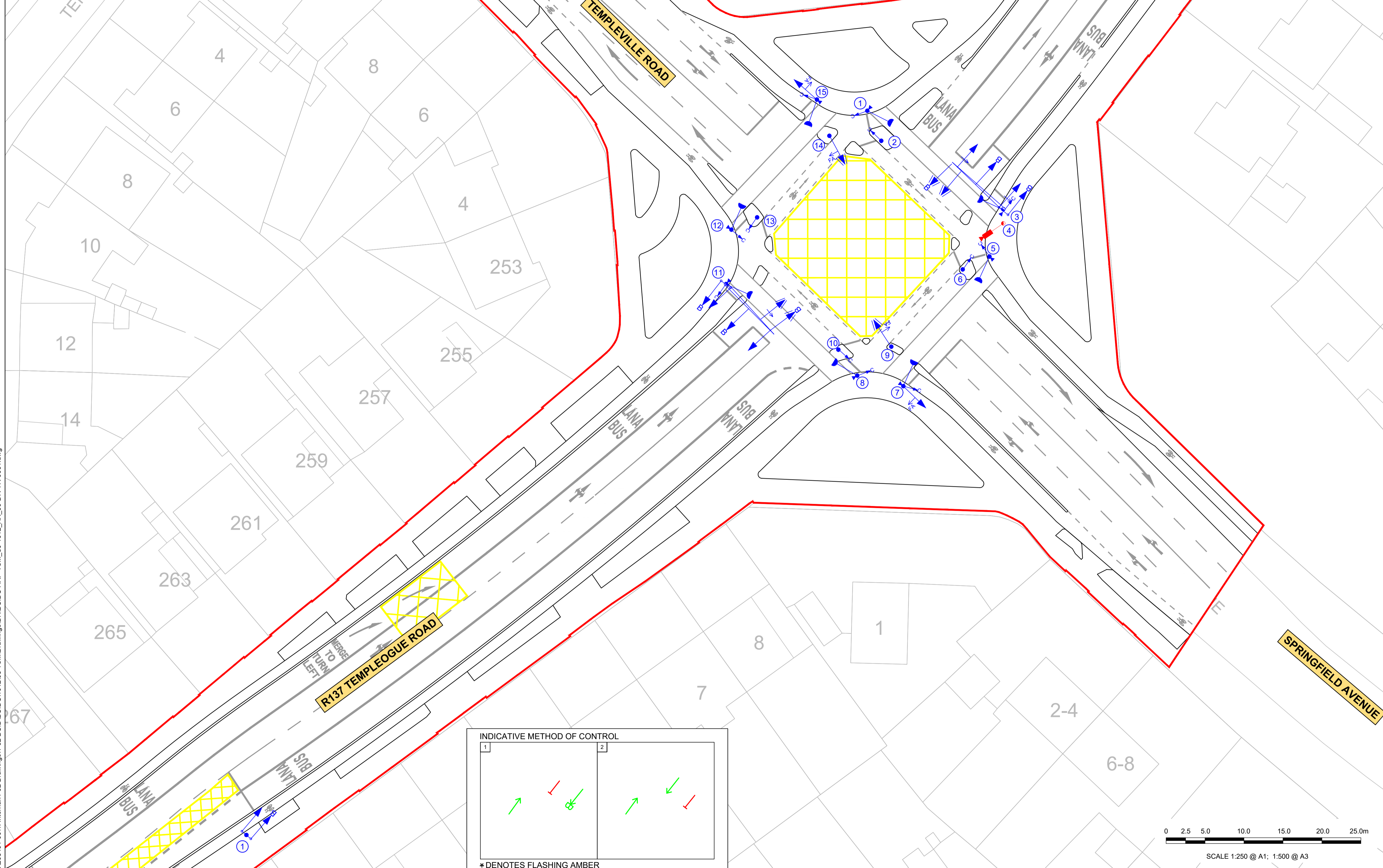
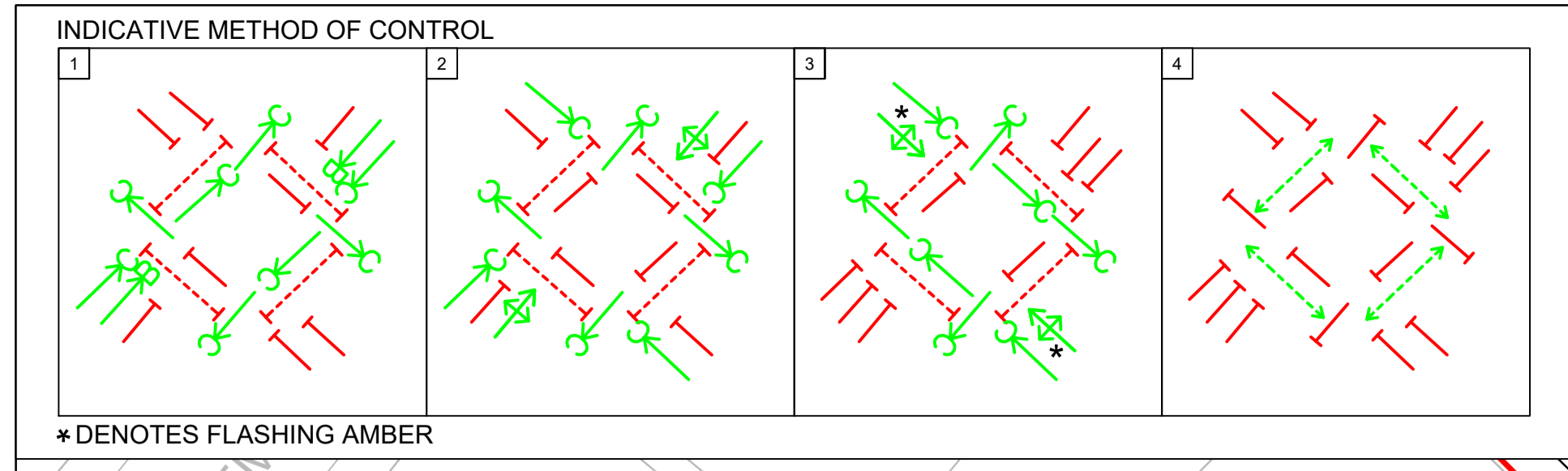
Programme Title: **BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS**

Drawing Title: **TEMPLEOGUE / RATHFARNHAM TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN TEMPLEOGUE ROAD PEDESTRIAN CROSSING**

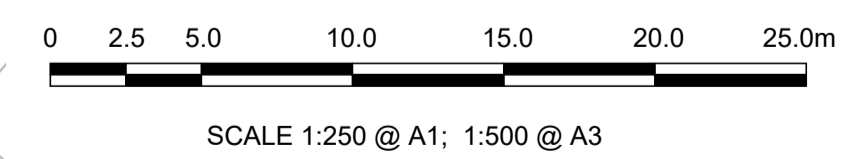
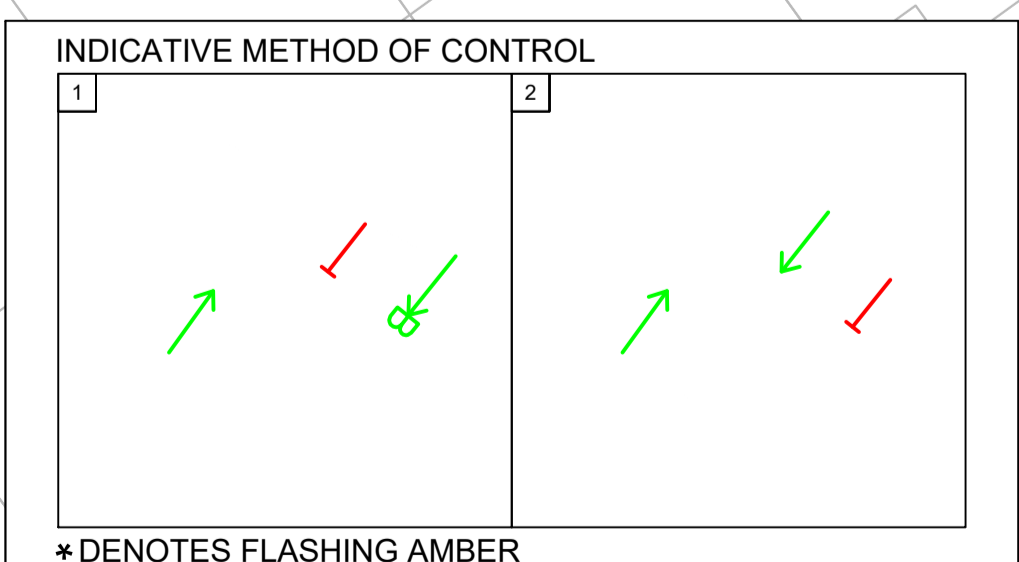
Drawing File Name	Sheet Number	Status	Rev
BCIDC-ARP-TSM_SJ-1012_XX_00-DR-TR-0042	42 of 47	A	M01

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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 001 PRIMARY
  - RTS 001 SECONDARY
  - RTS 002 (D) PRIMARY
  - RTS 002 (D) SECONDARY
  - RTS 003 (C) PRIMARY
  - RTS 003 (C) 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)
  - 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	27/01/2023	GMcT	TM	DC	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **ARUP**

Date: 27/01/2023 Scale: 1:250 @ A1, 1:500 @ A3

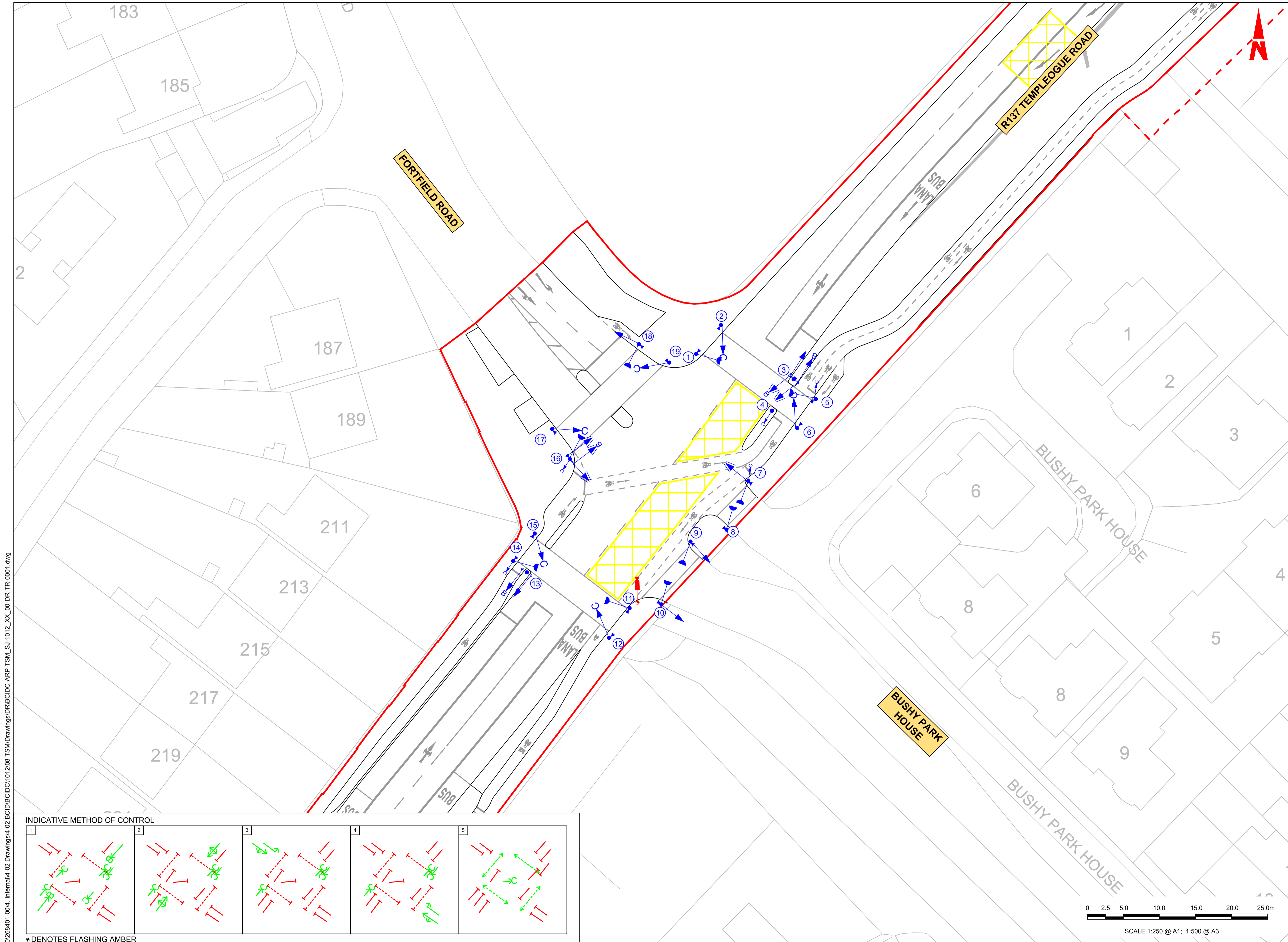
Drawn: GMcT Checked: TM Approved: DC

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

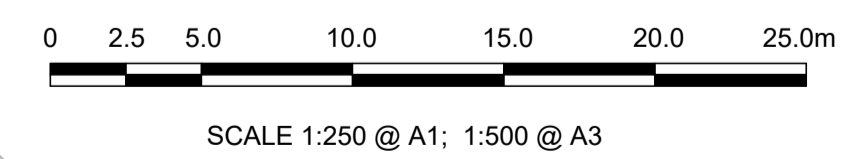
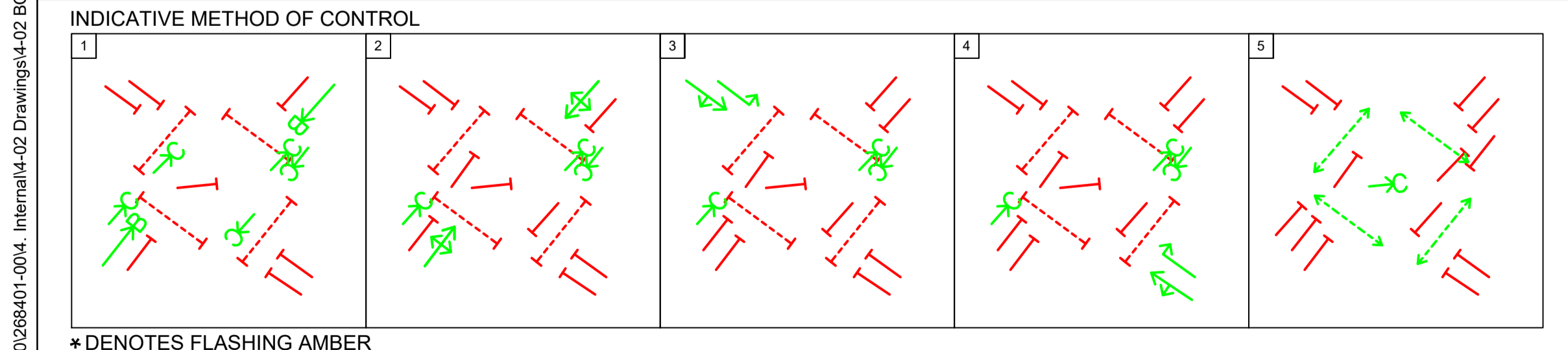
Programme Title: <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title: <b>TEMPLEOGUE / RATHFARNHAM TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN</b>			
Drawing File Name: BCIDC-ARP-TSM_SJ-1012_XX_00-DR-TR-0043			
Sheet Number: 43 of 47	Status: A	Rev: M01	

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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 001 PRIMARY
  - RTS 001 SECONDARY
  - RTS 002 (D) PRIMARY
  - RTS 002 (D) SECONDARY
  - RTS 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 NUMBER
  - POLE (STANDARD HEIGHT)
- GENERAL:**
- SITE BOUNDARY LINE
  - TEMPORARY LAND ACQUISITION



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Rev	Date	Drn	Chk'd	App'd	Description
M01	27/01/2023	GMcT	TM	DC	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **ARUP**

Date: 27/01/2023 | Scale: 1:250 @ A1, 1:500 @ A3 | Drawn: GMcT | Checked: TM | Approved: DC

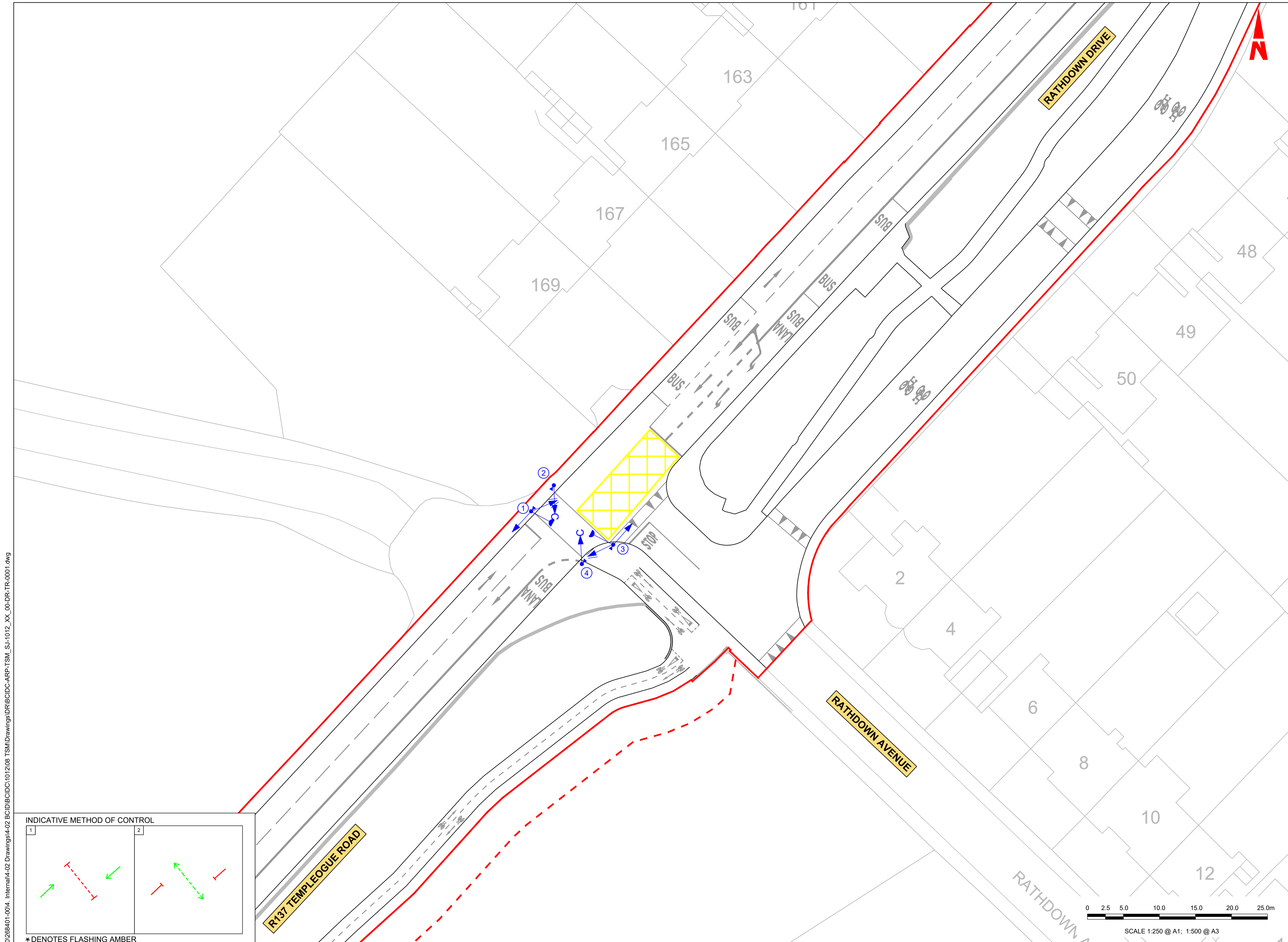
Project Code: BCIDC | Originator Code: ARP | QMS Code: 268401-00

Programme Title: <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title: <b>TEMPLEOGUE / RATHFARNHAM TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN TEMPLEOGUE ROAD / FORTFIELD ROAD JUNCTION</b>			
Drawing File Name: BCIDC-ARP-TSM_SJ-1012_XX_00-DR-TR-0044	Sheet Number: 44 of 47	Status: A	Rev: M01

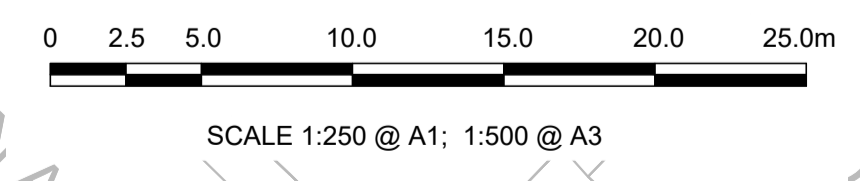
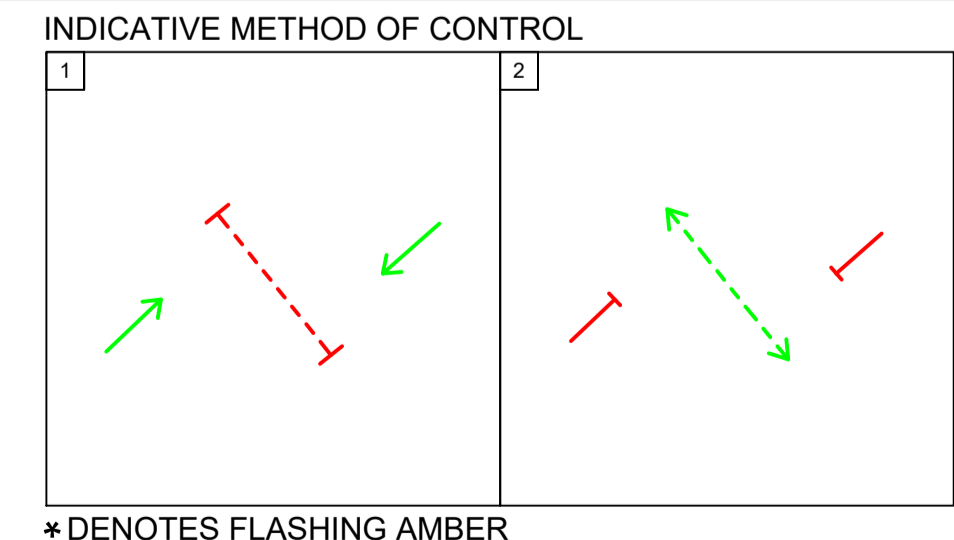
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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 001 PRIMARY
  - RTS 001 SECONDARY
  - c RTS 007 (HIGH LEVEL) PRIMARY
  - ← RPC 004 PEDESTRIAN HEAD
- TRAFFIC SIGNAL EQUIPMENT:**
- POLE (STANDARD HEIGHT)
  - PUSH BUTTON UNIT
  - ⊗ POLE NUMBER
- GENERAL:**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



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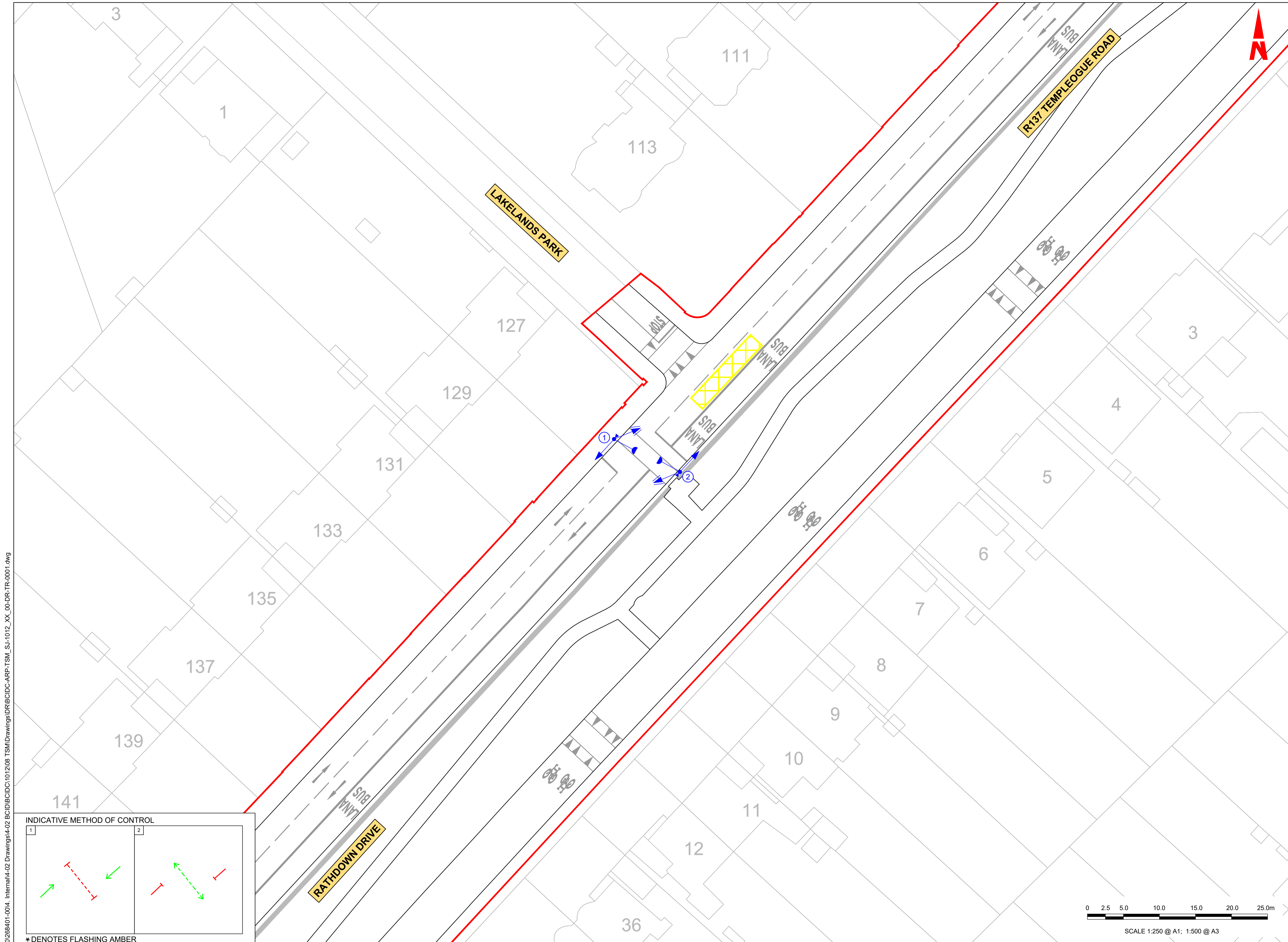
Rev	Date	Drn	Chk'd	App'd	Description
M01	27/01/2023	GMcT	TM	DC	ISSUE FOR PHASE 4: PLANNING

Client

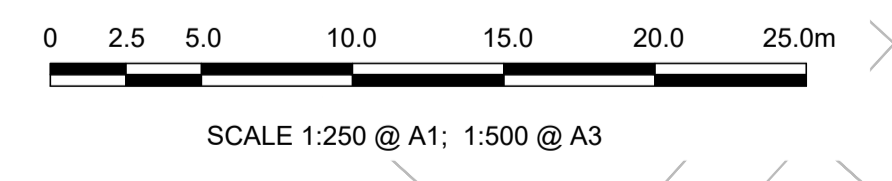
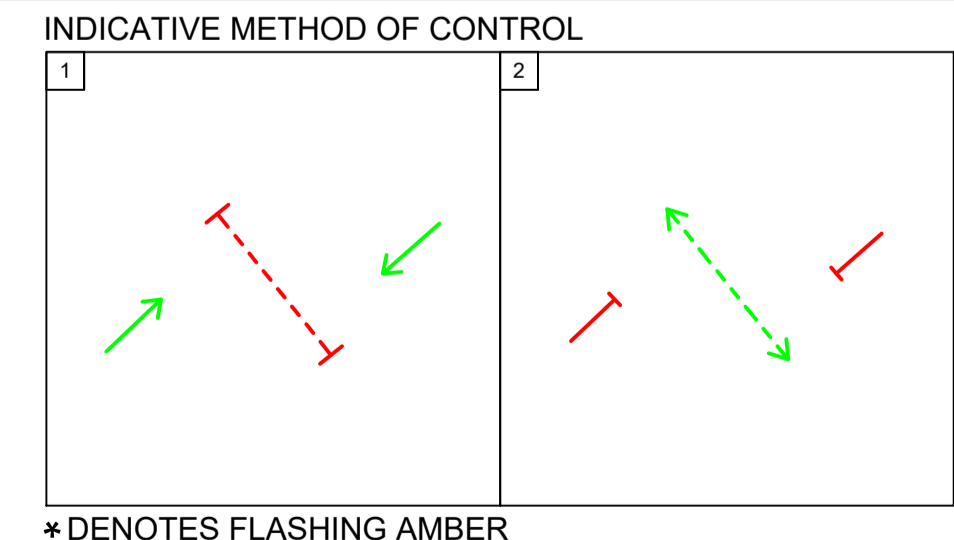
Engineering Designer

Programme Title		<b>BUSCONNECTS DUBLIN</b>		
		<b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>		
Drawing Title				
TEMPLEOGUE / RATHFARNHAM TO CITY CENTRE CORE BUS CORRIDOR SCHEME				
JUNCTION SYSTEMS DESIGN				
TEMPLEOGUE ROAD / RATHDOWN AVENUE JUNCTION				
Drawing File Name	Sheet Number	Status	Rev	
BCIDC-ARP-TSM_SJ-1012_XX_00-DR-TR-0045	45 of 47	A	M01	

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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
    - RTS 001 PRIMARY (Blue arrow)
    - RTS 001 SECONDARY (Blue arrow with dot)
    - RPC 004 PEDESTRIAN HEAD (Blue arrow with circle)
  - TRAFFIC SIGNAL EQUIPMENT:**
    - POLE (STANDARD HEIGHT) (Blue dot)
    - PUSH BUTTON UNIT (Blue dot with circle)
    - POLE NUMBER (Blue circle with X)
  - GENERAL:**
    - SITE BOUNDARY LINE (Red solid line)
    - TEMPORARY LAND ACQUISITION (Red dashed line)



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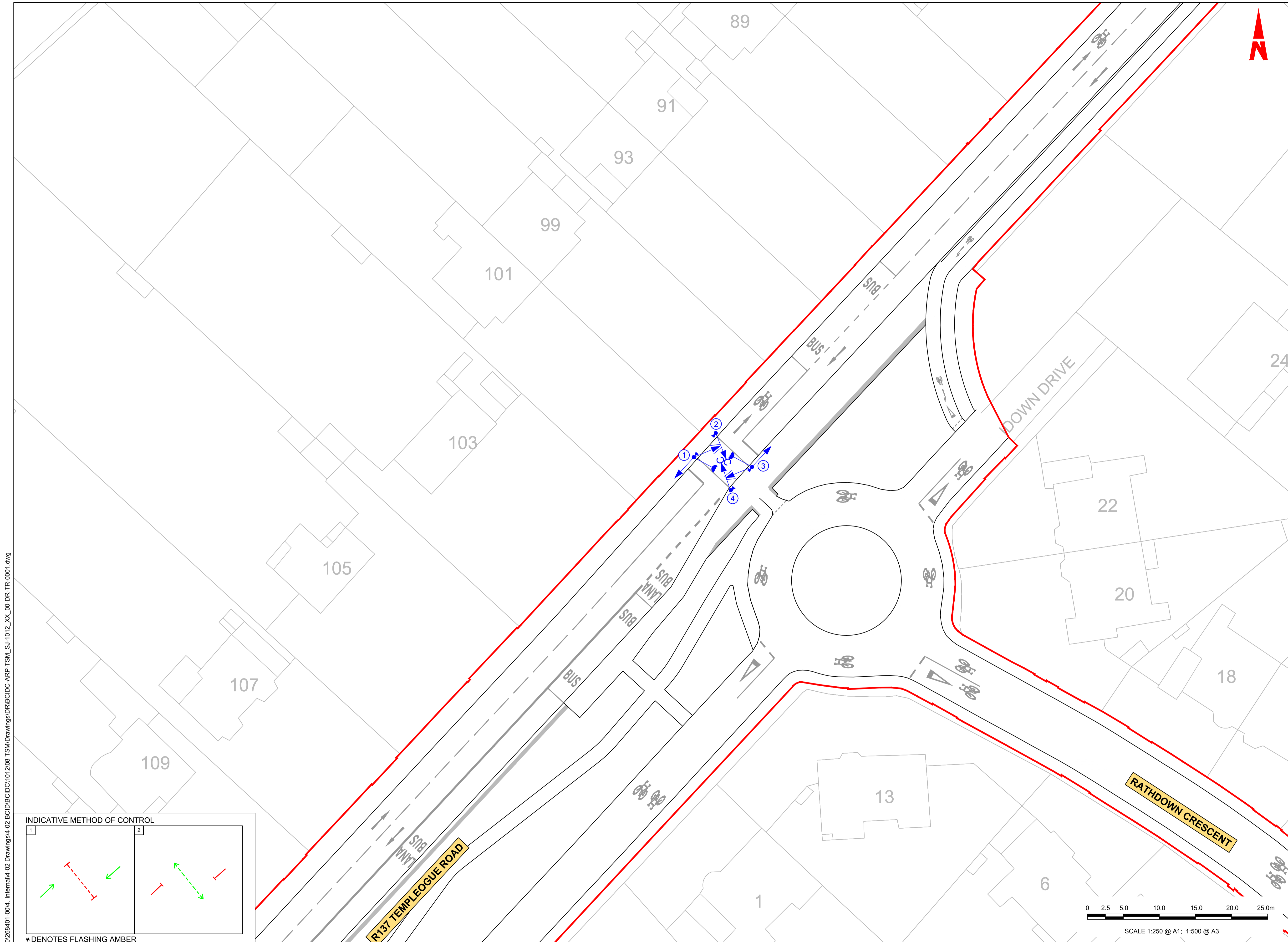
Rev	Date	Drn	Chk'd	App'd	Description
M01	27/01/2023	GMcT	TM	DC	ISSUE FOR PHASE 4: PLANNING

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

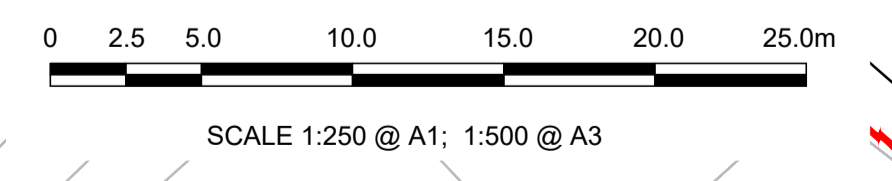
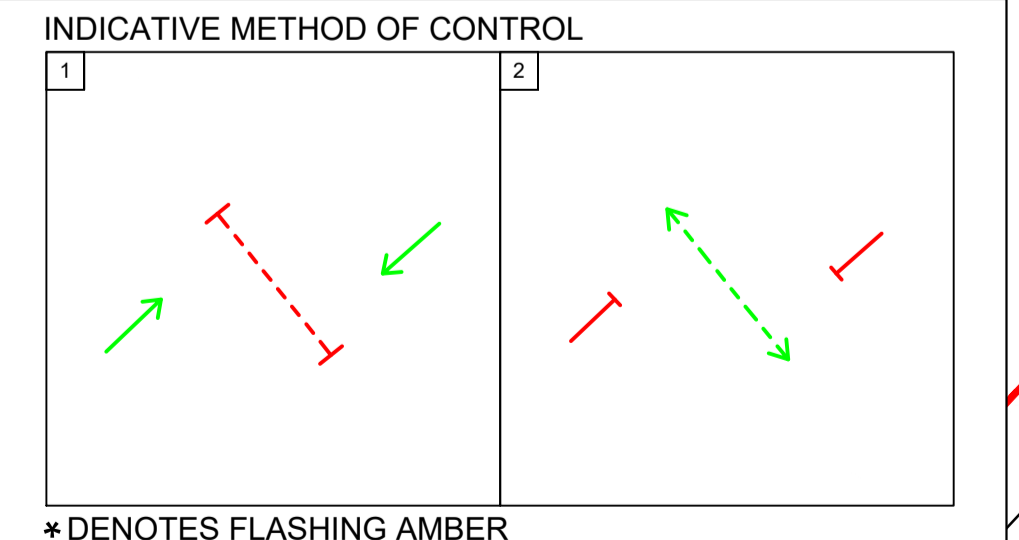
Engineering Designer  
**ARUP**

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title TEMPLEOGUE / RATHFARNHAM TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN TEMPLEOGUE ROAD PEDESTRIAN CROSSING				
Date 27/01/2023	Scale 1:250 @ A1 1:500 @ A3	Drawn GMcT	Checked TM	Approved DC
Project Code BCIDC	Originator Code ARP	QMS Code 268401-00	Drawing File Name BCIDC-ARP-TSM_SJ-1012_XX_00-DR-TR-0046	Sheet Number 46 of 47
Status A	Rev M01			

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- 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	27/01/2023	GMcT	TM	DC	ISSUE FOR PHASE 4: PLANNING

Client

Engineering Designer

Programme Title		<b>BUSCONNECTS DUBLIN</b>		
		<b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>		
Drawing Title				
TEMPLEOGUE / RATHFARNHAM TO CITY CENTRE CORE BUS CORRIDOR SCHEME				
JUNCTION SYSTEMS DESIGN				
TEMPLEOGUE ROAD PEDESTRIAN CROSSING				
Drawing File Name	Sheet Number	Status	Rev	
BCIDC-ARP-TSM_SJ-1012_XX_00-DR-TR-0047	47 of 47	A	M01	

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