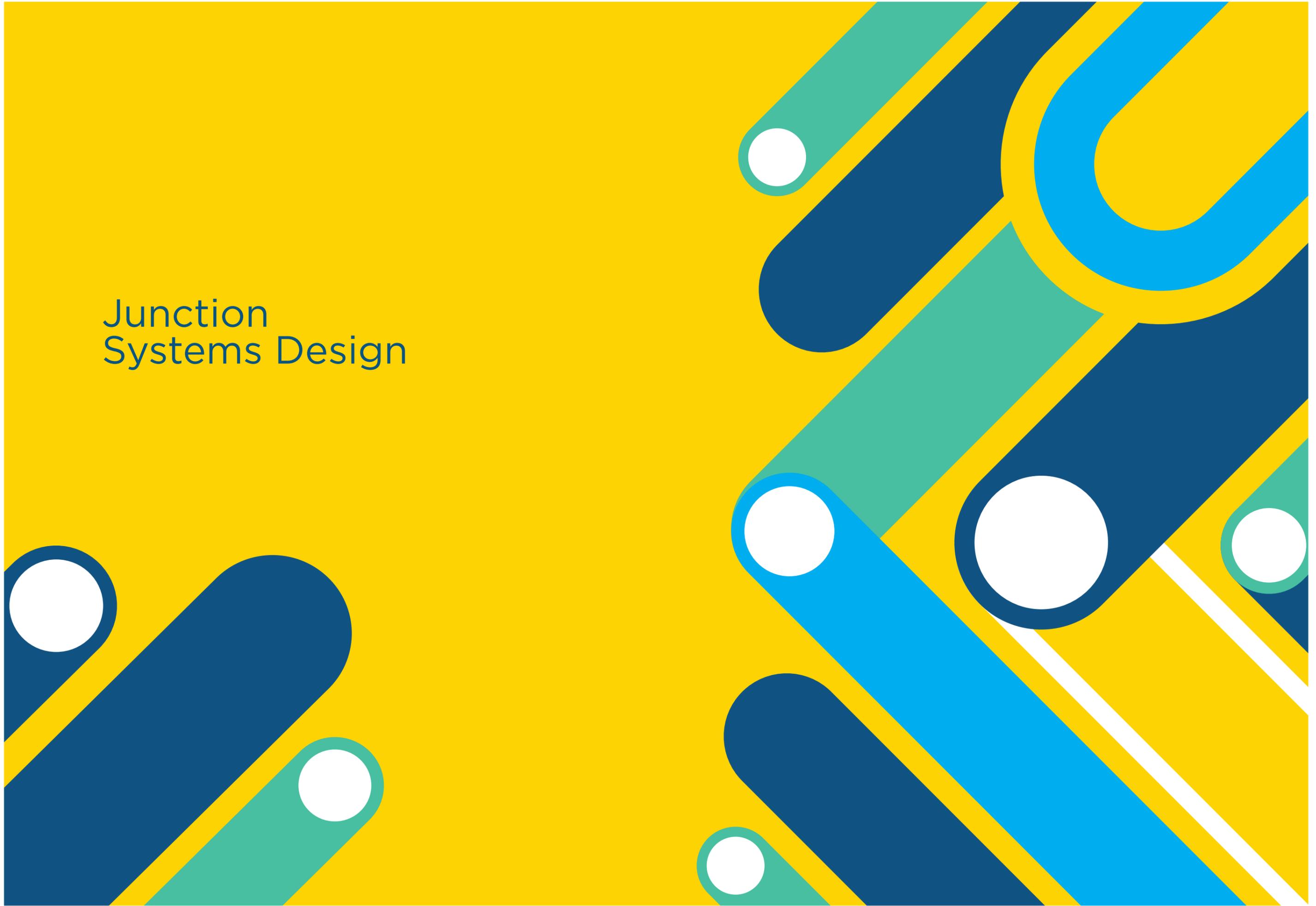


Junction
Systems Design





BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS

LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME

JUNCTION SYSTEMS DESIGN

DRAWING SERIES NUMBER(S)

BCIDB-JAC-TSM_IX-0007_XX_00-DR-TR-0001
 BCIDB-JAC-TSM_KP-0007_XX_00-DR-TR-0001
 BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0001
 BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0002
 BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0003
 BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0004
 BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0005
 BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0006
 BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0007
 BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0008
 BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0009
 BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0010
 BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0011
 BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0012
 BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0013
 BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0014
 BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0015
 BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0016
 BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0017
 BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0018
 BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0019
 BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0020
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 BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0022
 BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0023
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 BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0025
 BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0026
 BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0027

DRAWING SERIES DESCRIPTION

LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME. JUNCTION SYSTEMS DESIGN. COVER SHEET
 LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME. JUNCTION SYSTEMS DESIGN. KEY PLAN
 LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME. JUNCTION SYSTEMS DESIGN. FONTHILL ROAD / RETAIL PARK SHOPPING CENTRE JUNCTION
 LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME. JUNCTION SYSTEMS DESIGN. FONTHILL ROAD JUNCTION
 LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME. JUNCTION SYSTEMS DESIGN. COLDCUT ROAD / FONTHILL ROAD JUNCTION
 LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME. JUNCTION SYSTEMS DESIGN. M50 BRIDGE SIGNAL CONTROLLED PRIORITY
 LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME. JUNCTION SYSTEMS DESIGN. COLDCUT ROAD / CLOVERHILL ROAD JUNCTION
 LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME. JUNCTION SYSTEMS DESIGN. COLDCUT ROAD / KENNELSFORT ROAD UPPER / BALLYFERMOT ROAD JUNCTION
 LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME. JUNCTION SYSTEMS DESIGN. BALLYFERMOT ROAD / PRIMARY HEALTH CARE CENTRE JUNCTION
 LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME. JUNCTION SYSTEMS DESIGN. BALLYFERMOT ROAD / CLIFDEN ROAD JUNCTION
 LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME. JUNCTION SYSTEMS DESIGN. BALLYFERMOT ROAD / DRUMFINN ROAD JUNCTION
 LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME. JUNCTION SYSTEMS DESIGN. BALLYFERMOT ROAD / LE FANU ROAD JUNCTION
 LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME. JUNCTION SYSTEMS DESIGN. LE FANU / KYLEMORE ROAD / CHAPELIZOD HILL JUNCTION
 LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME. JUNCTION SYSTEMS DESIGN. BALLYFERMOT ROAD / COMMERCIAL CENTRE JUNCTION
 LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME. JUNCTION SYSTEMS DESIGN. BALLYFERMOT ROAD / KYLEMORE ROAD JUNCTION
 LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME. JUNCTION SYSTEMS DESIGN. SARSFIELD ROAD / LANDEN ROAD JUNCTION
 LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME. JUNCTION SYSTEMS DESIGN. SARSFIELD ROAD / CON COLBERT ROAD JUNCTION
 LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME. JUNCTION SYSTEMS DESIGN. INCHICORE ROAD / MEMORIAL ROAD JUNCTION
 LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME. JUNCTION SYSTEMS DESIGN. SARSFIELD ROAD / INCHICORE ROAD / GRATTAN CRESCENT JUNCTION
 LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME. JUNCTION SYSTEMS DESIGN. GRATTAN CRESCENT / TYRCONNELL ROAD / EMMET ROAD JUNCTION
 LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME. JUNCTION SYSTEMS DESIGN. EMMET ROAD / ST VINCENT STREET WEST JUNCTION
 LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME. JUNCTION SYSTEMS DESIGN. EMMET ROAD / SOUTH CIRCULAR ROAD / OLD KILMAINHAM JUNCTION
 LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME. JUNCTION SYSTEMS DESIGN. JAMES STREET / ST JAMES'S HOSPITAL JUNCTION
 LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME. JUNCTION SYSTEMS DESIGN. JAMES STREET / BOW LANE WEST JUNCTION
 LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME. JUNCTION SYSTEMS DESIGN. JAMES STREET / THOMAS STREET / WATLING STREET JUNCTION
 LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME. JUNCTION SYSTEMS DESIGN. THOMAS STREET / BRIDGEFOOT STREET / THOMAS COURT JUNCTION
 LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME. JUNCTION SYSTEMS DESIGN. THOMAS STREET / MEATH STREET JUNCTION
 LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME. JUNCTION SYSTEMS DESIGN. THOMAS ST. / CORNMARKE / ST ' AUGUSTINE ST. / FRANCIS ST. JUNCTION
 LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME. JUNCTION SYSTEMS DESIGN. CORNMARKE / HIGH STREET / BRIDGE STREET UPPER JUNCTION

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Rev	Date	Drn	Chk'd	App'd	Description
M01	07/06/2022	PT	KM	JB	ISSUE FOR PHASE 4: PLANNING

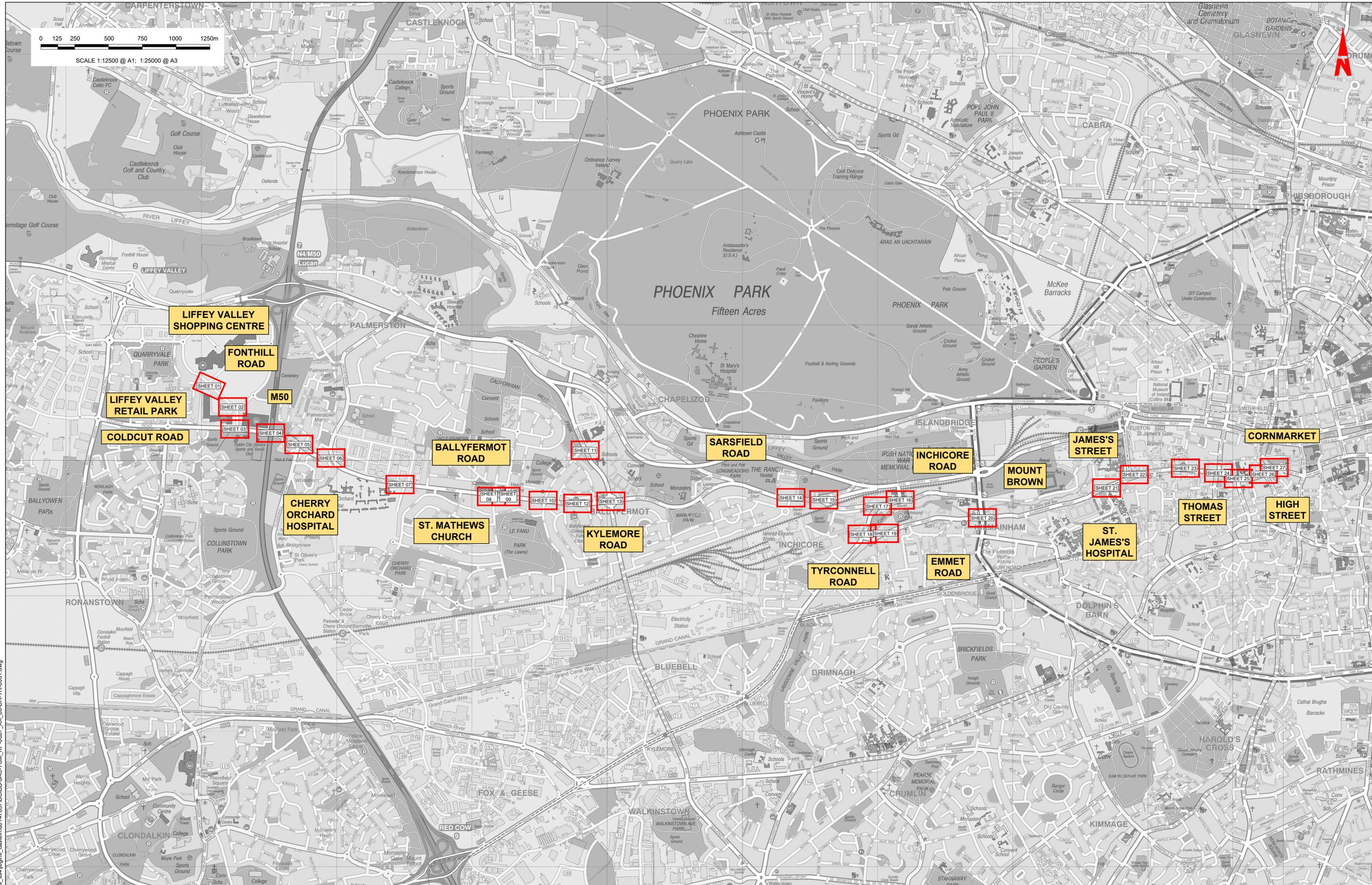
Date	Scale	NTS @ A1	Drawn
07/06/2022		NTS @ A3	PT
Project Code	Originator Code	Checked	Approved
BCIDB	JAC	KM	JB
QMS Code			

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN COVER SHEET			
Drawing File Name BCIDB-JAC-TSM_IX -0007_XX_00 -DR-TR-0001	Sheet Number 01 of 01	Status A	Rev M01

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SCALE 1:12500 @ A1: 1:25000 @ A3



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Rev	Date	Drm	Chk'd	App'd	Description
M01	07/06/2022	PT	KM	JB	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **Jacobs**

Date: 07/06/2022 Scale: 1:12500 @ A1
 1:25000 @ A3

Project Code: BCIDB Originator Code: JAC

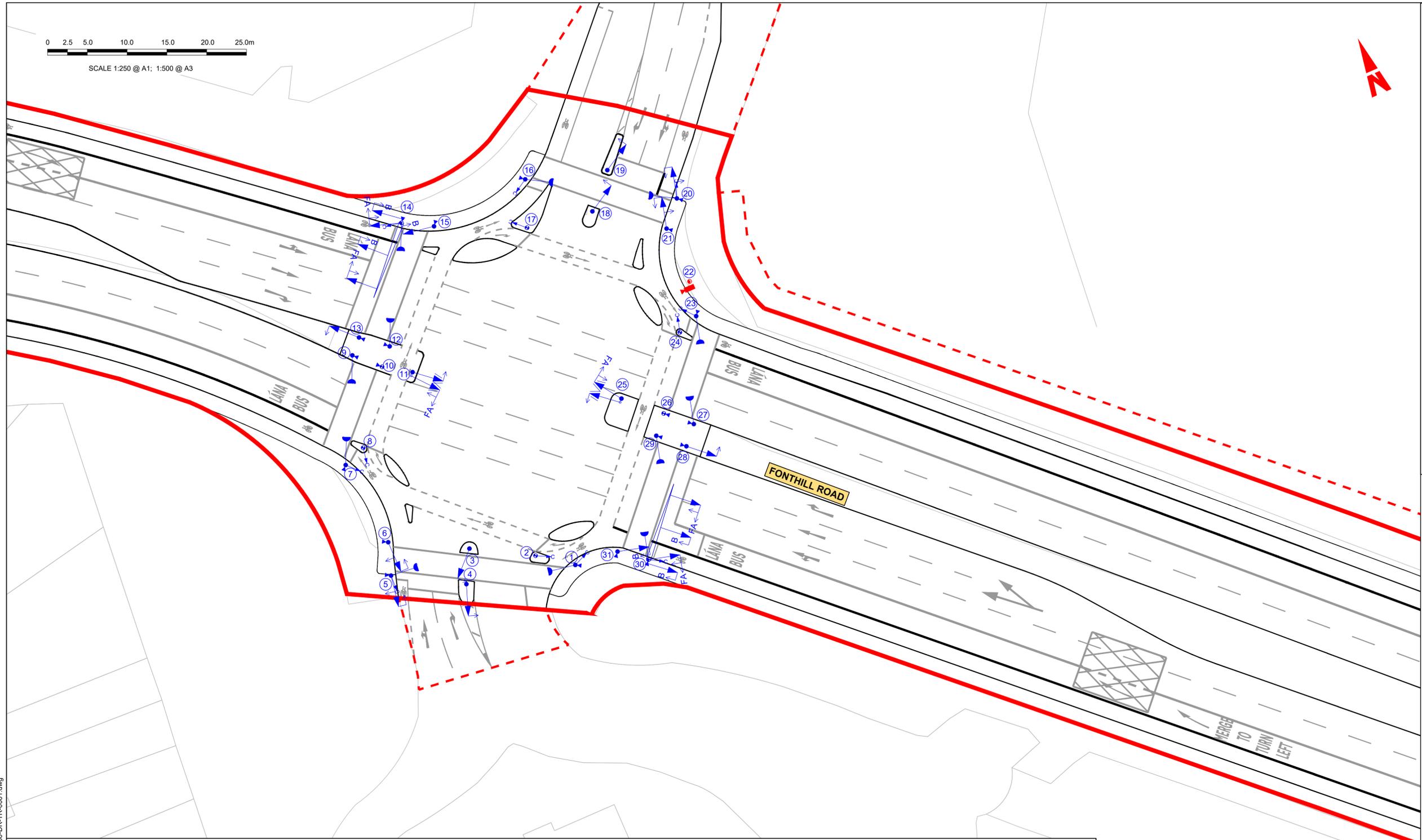
Drawn: PT Checked: KM Approved: JB

QMS Code:

Programme Title: BUSCONNECTS DUBLIN			
CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN KEY PLAN			
Drawing File Name: BCIDB-JAC-TSM_KP-0007_XX_00-DR-TR-0001	Sheet Number: 01 of 01	Status: A	Rev: M01

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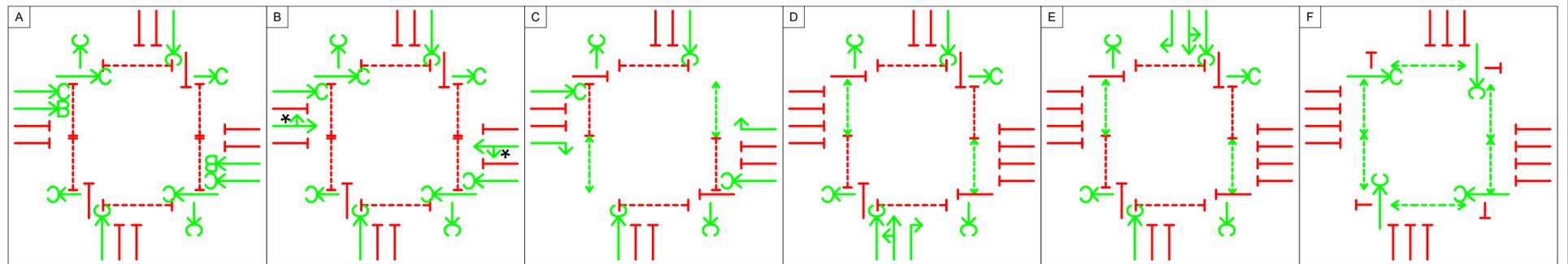
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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 002(C) PRIMARY
 - RTS 002(C) SECONDARY
 - RTS 002(E) PRIMARY
 - RTS 003(H) PRIMARY
 - RTS 004(E) PRIMARY
 - RTS 004(E) SECONDARY
 - RTS 007 (LOW LEVEL) PRIMARY
 - RPC 004 PEDESTRIAN HEAD
- TRAFFIC SIGNAL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

Indicative Method of Control

* denotes Flashing Amber



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Project Ireland 2040
Building Ireland's Future

Rev	Date	Drn	Chk'd	App'd	Description
M01	07/06/2022	PT	KM	JB	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **Jacobs**

Date: 07/06/2022 | Scale: 1:250 @ A1, 1:500 @ A3 | Drawn: PT | Checked: KM | Approved: JB

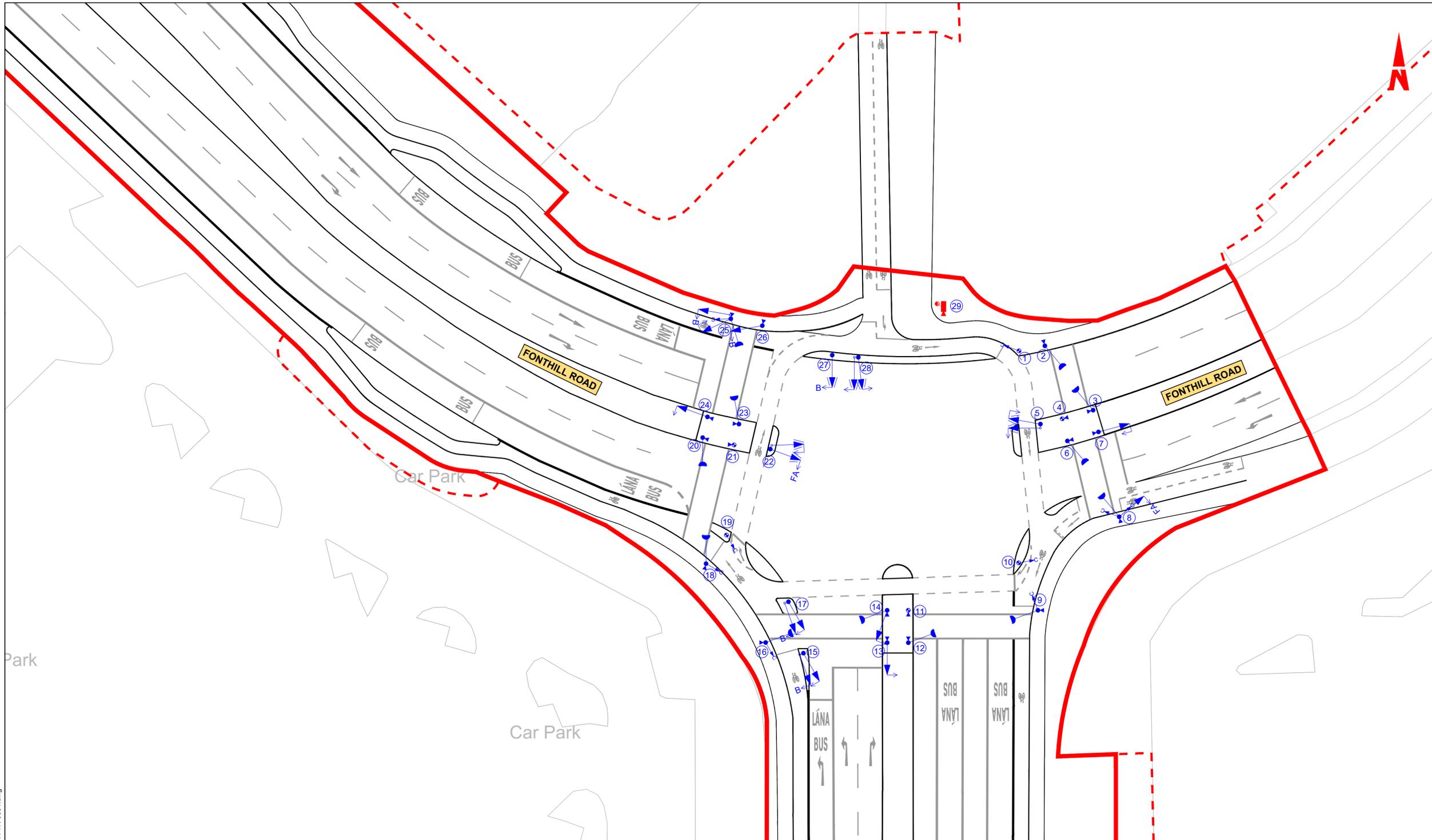
Project Code: BCIDB | Originator Code: JAC | QMS Code:

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

Drawing Title: LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN FONTHILL ROAD / RETAIL PARK SHOPPING CENTRE JUNCTION

Drawing File Name: BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0001	Sheet Number: 01 of 27	Status: A	Rev: M01
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LEGEND:

TRAFFIC SIGNAL HEADS:

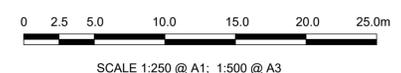
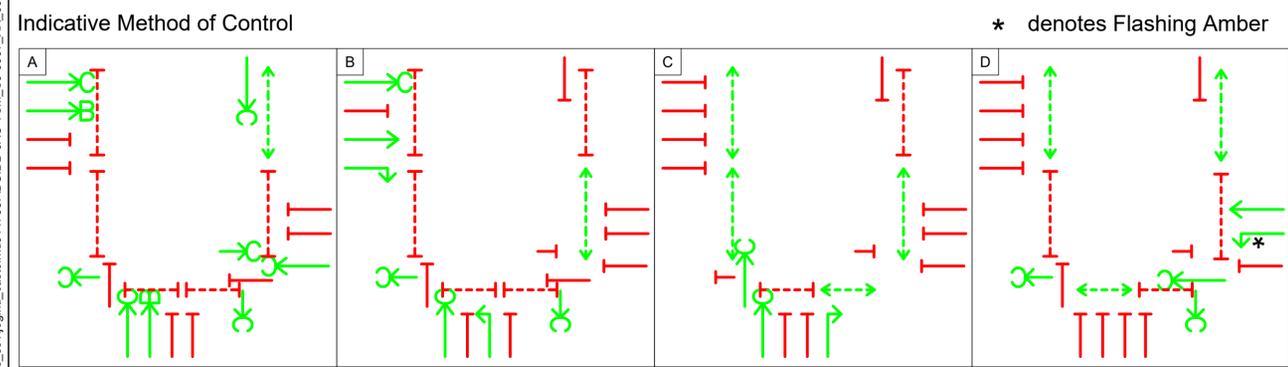
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- RTS 002(A) SECONDARY
- RTS 002(B) PRIMARY
- RTS 002(B) SECONDARY
- RTS 002(C) PRIMARY
- RTS 002(C) SECONDARY
- RTS 002(I) PRIMARY
- RTS 002(I) SECONDARY
- RTS 002(J) PRIMARY
- RTS 004(B) PRIMARY
- RTS 004(B) SECONDARY
- RTS 007 PRIMARY
- RTS 007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

TRAFFIC SIGNAL EQUIPMENT:

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

GENERAL:

- SITE BOUNDARY LINE
- TEMPORARY LAND ACQUISITION



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Rev	Date	Dwn	Chk'd	App'd	Description
M01	07/06/2022	PT	KM	JB	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **Jacobs**

Date: 07/06/2022
Scale: 1:250 @ A1
1:500 @ A3

Drawn: PT
Checked: KM
Approved: JB

Project Code: BCIDB
Originator Code: JAC
QMS Code:

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

Drawing Title: LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME
JUNCTION SYSTEMS DESIGN
FONTHILL ROAD

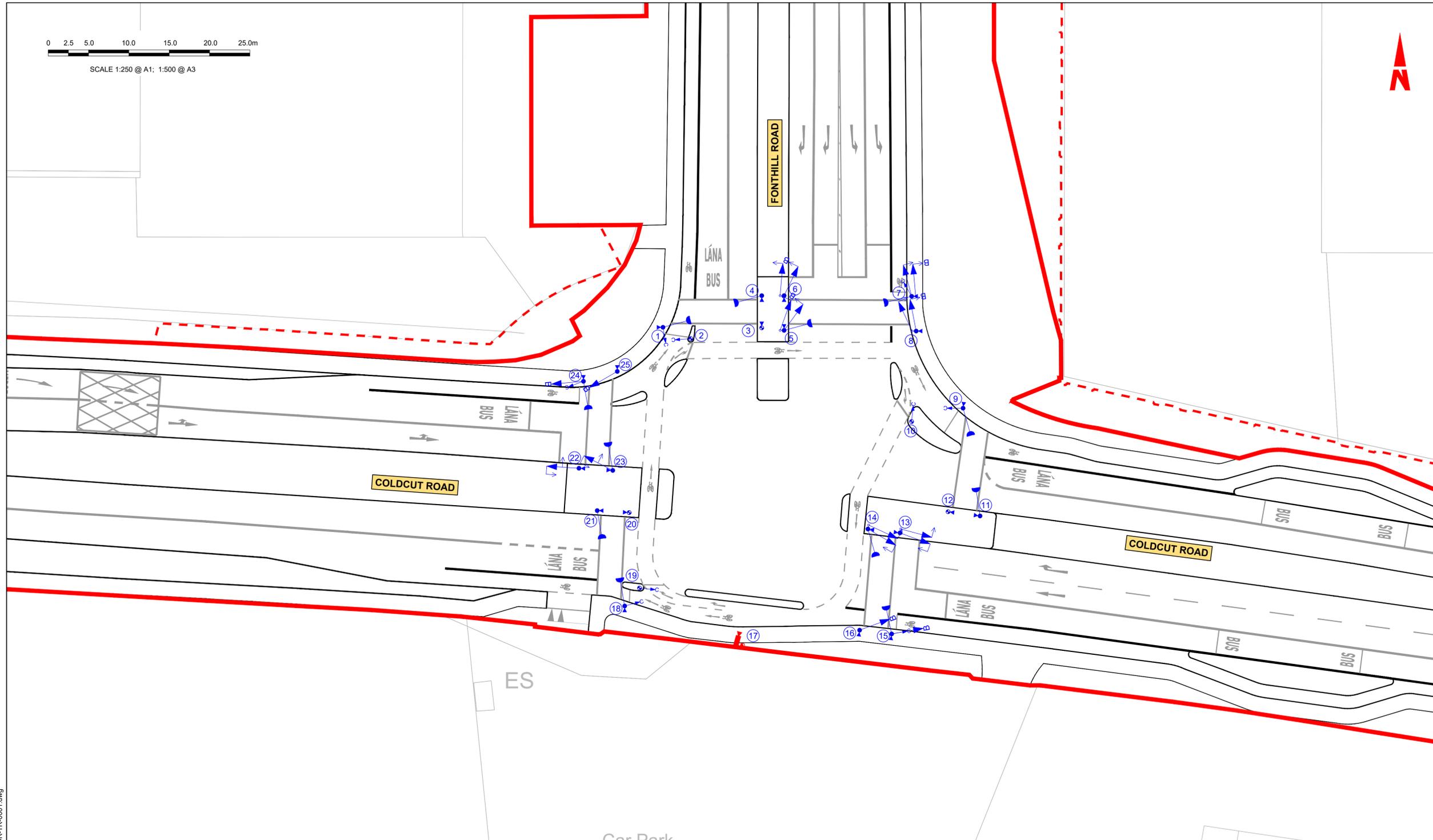
Drawing File Name: BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0002
Sheet Number: 02 of 27
Status: A
Rev: M01

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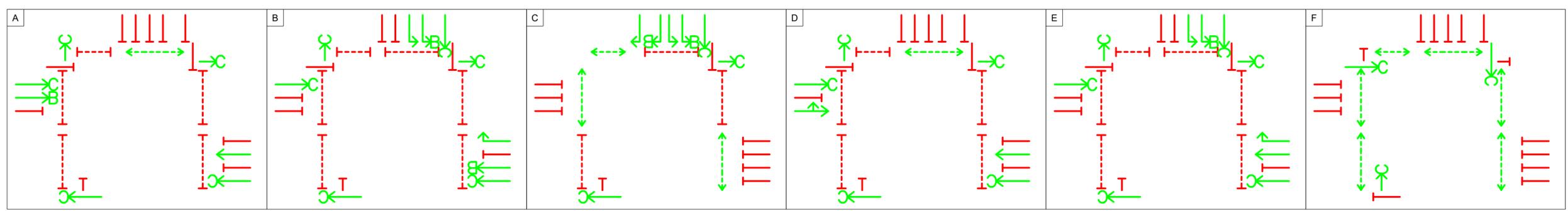
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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 002(A) PRIMARY
 - RTS 002(B) PRIMARY
 - RTS 002(C) PRIMARY
 - RTS 002(D) PRIMARY
 - RTS 002(I) PRIMARY
 - RTS 002(J) PRIMARY
 - RTS 003(H) PRIMARY
 - RTS 007 (LOW LEVEL) PRIMARY
 - RPC 004 PEDESTRIAN HEAD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



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Rev	Date	Drn	Chk'd	App'd	Description
M01	07/06/2022	PT	KM	JB	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **Jacobs**

Date: 07/06/2022 | Scale: 1:250 @ A1, 1:500 @ A3 | Drawn: PT | Checked: KM | Approved: JB

Project Code: BCIDB | Originator Code: JAC | QMS Code:

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

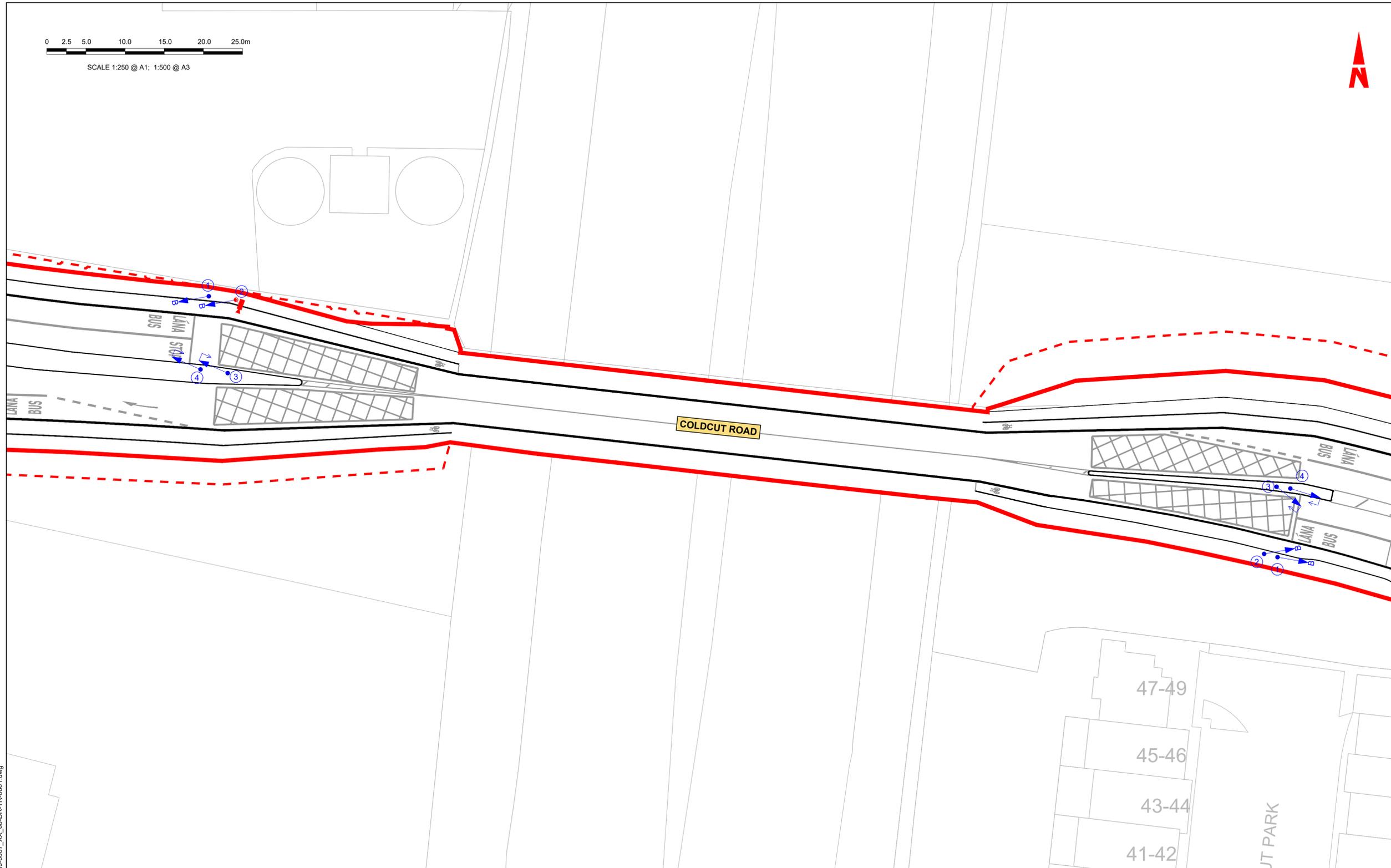
Drawing Title: LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME
JUNCTION SYSTEMS DESIGN
COLD CUT ROAD / FONTHILL ROAD JUNCTION

Drawing File Name: BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0003 | Sheet Number: 03 of 27 | Status: A | Rev: M01

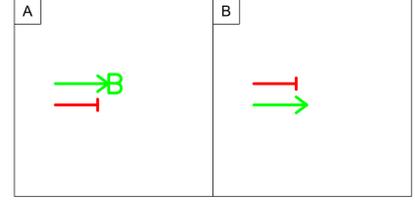
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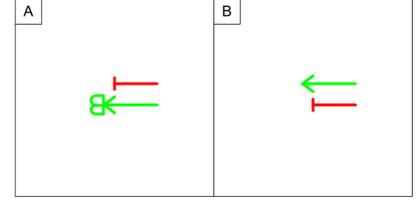
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- TRAFFIC SIGNAL HEADS:**
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 - RTS 002(D) PRIMARY
 - TRAFFIC SIGNAL EQUIPMENT:**
 - POLE (STANDARD HEIGHT)
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
 - POLE NUMBER
 - PAN / TILT / ZOOM CCTV CAMERA
 - GENERAL:**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



Indicative Method of Control - Stream 1 M50 Eastbound Signal Controlled Priority



Indicative Method of Control - Stream 2 M50 Westbound Signal Controlled Priority



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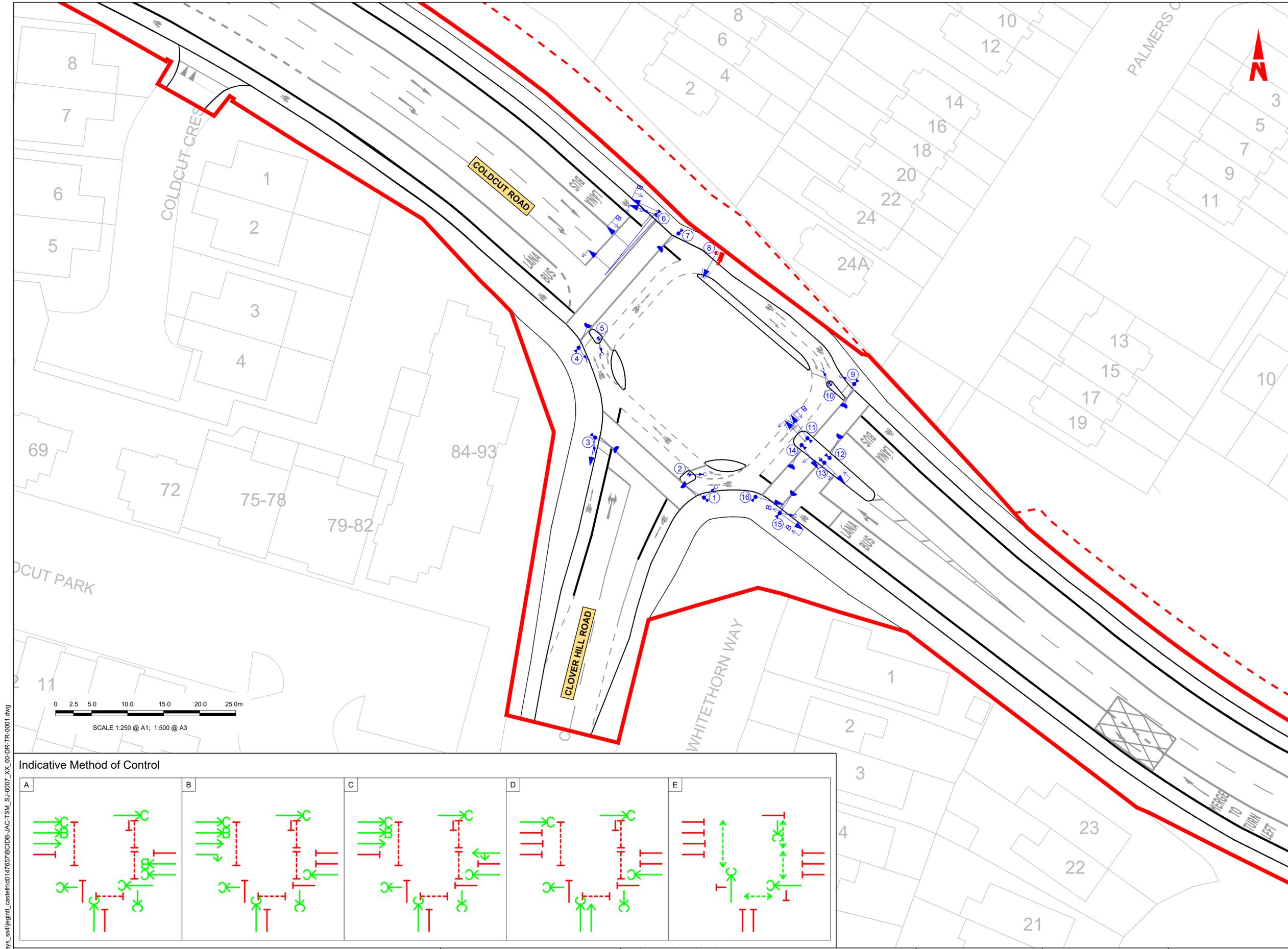
Rev	Date	Drn	Chk'd	App'd	Description
M01	07/06/2022	PT	KM	JB	ISSUE FOR PHASE 4: PLANNING

Date	Scale	Drawn	Checked	Approved
07/06/2022	1:250 @ A1 1:500 @ A3	PT	KM	JB
Project Code	Originator Code	QMS Code		
BCIDB	JAC			

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN M50 BRIDGE SIGNAL CONTROLLED PRIORITY			
Drawing File Name	Sheet Number	Status	Rev
BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0004	04 of 27	A	M01

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LEGEND:

TRAFFIC SIGNAL HEADS:

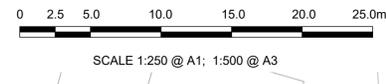
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- RTS 001 SECONDARY
- RTS 002(C) PRIMARY
- RTS 002(C) SECONDARY
- RTS 002(E) PRIMARY
- RTS 002(K) PRIMARY
- RTS 002(K) SECONDARY
- RTS 003(H) PRIMARY
- RTS 007 PRIMARY
- RTS 007 (LOW LEVEL) PRIMARY
- RPC 004 PEDESTRIAN HEAD

TRAFFIC SIGNAL EQUIPMENT:

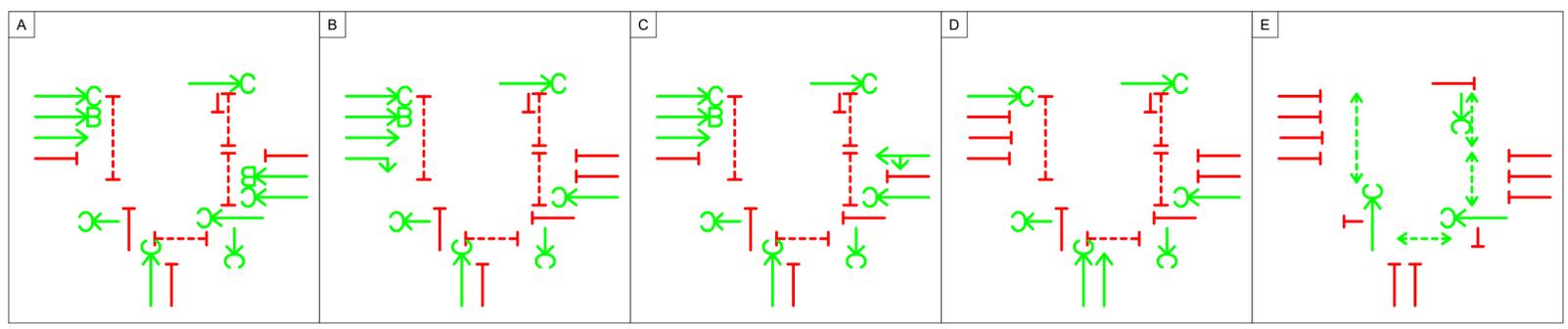
- POLE (STANDARD HEIGHT)
- TALL POLE (CCTV/TRAFFIC SIGNALS)
- SMALL POLE
- POLE NUMBER
- PUSH BUTTON UNIT
- PAN / TILT / ZOOM CCTV CAMERA

GENERAL:

- SITE BOUNDARY LINE
- TEMPORARY LAND ACQUISITION



Indicative Method of Control



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Rev	Date	Drn	Chk'd	App'd	Description
M01	07/06/2022	PT	KM	JB	ISSUE FOR PHASE 4: PLANNING

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

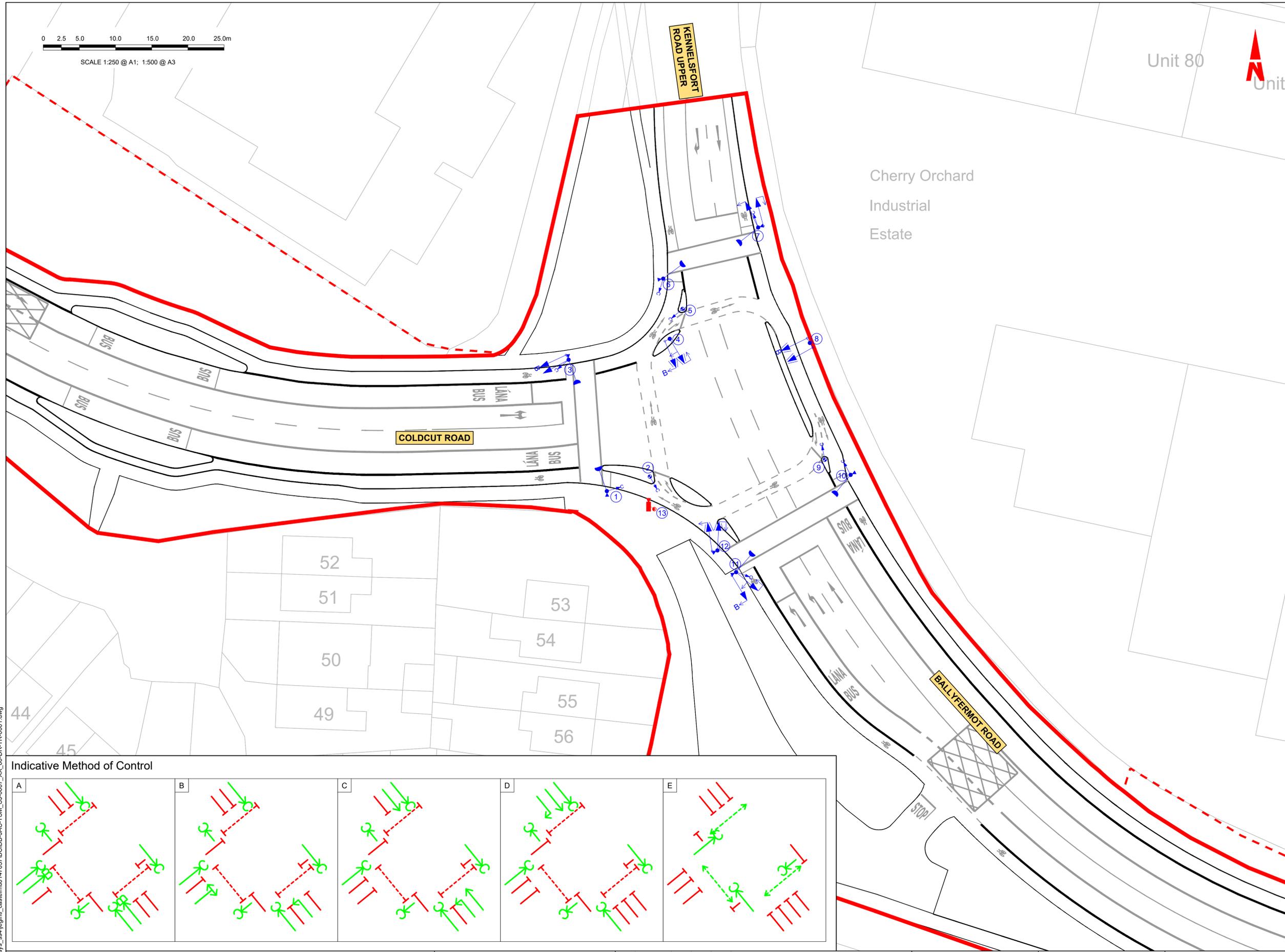
Engineering Designer: **Jacobs**

Date: 07/06/2022 | Scale: 1:250 @ A1, 1:500 @ A3 | Drawn: PT | Checked: KM | Approved: JB

Project Code: BCIDB | Originator Code: JAC | QMS Code:

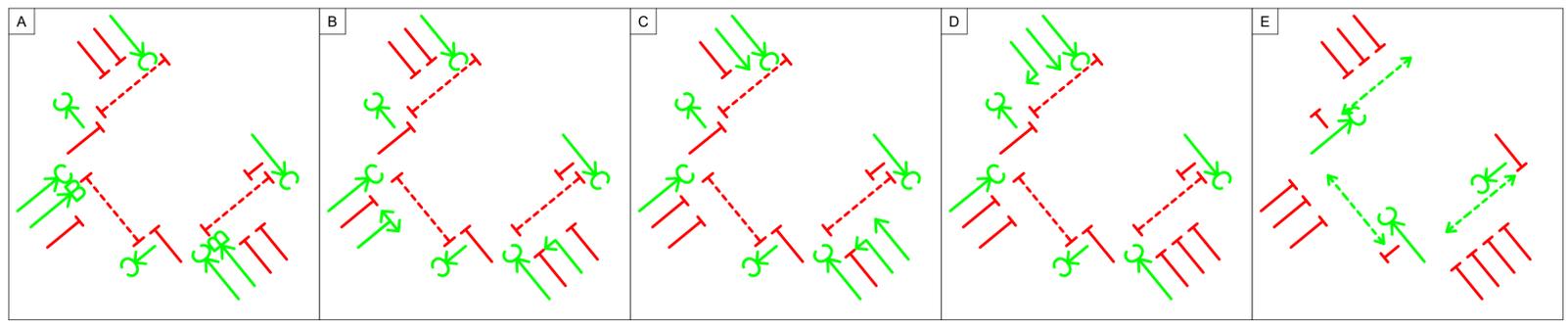
Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN COLD CUT ROAD / CLOVERHILL ROAD JUNCTION			
Drawing File Name: BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0005	Sheet Number: 05 of 27	Status: A	Rev: M01

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

Indicative Method of Control



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Client: **NTA**
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National Transport Authority

Engineering Designer: **Jacobs**

Date: 07/06/2022 | Scale: 1:250 @ A1, 1:500 @ A3 | Drawn: PT | Checked: KM | Approved: JB

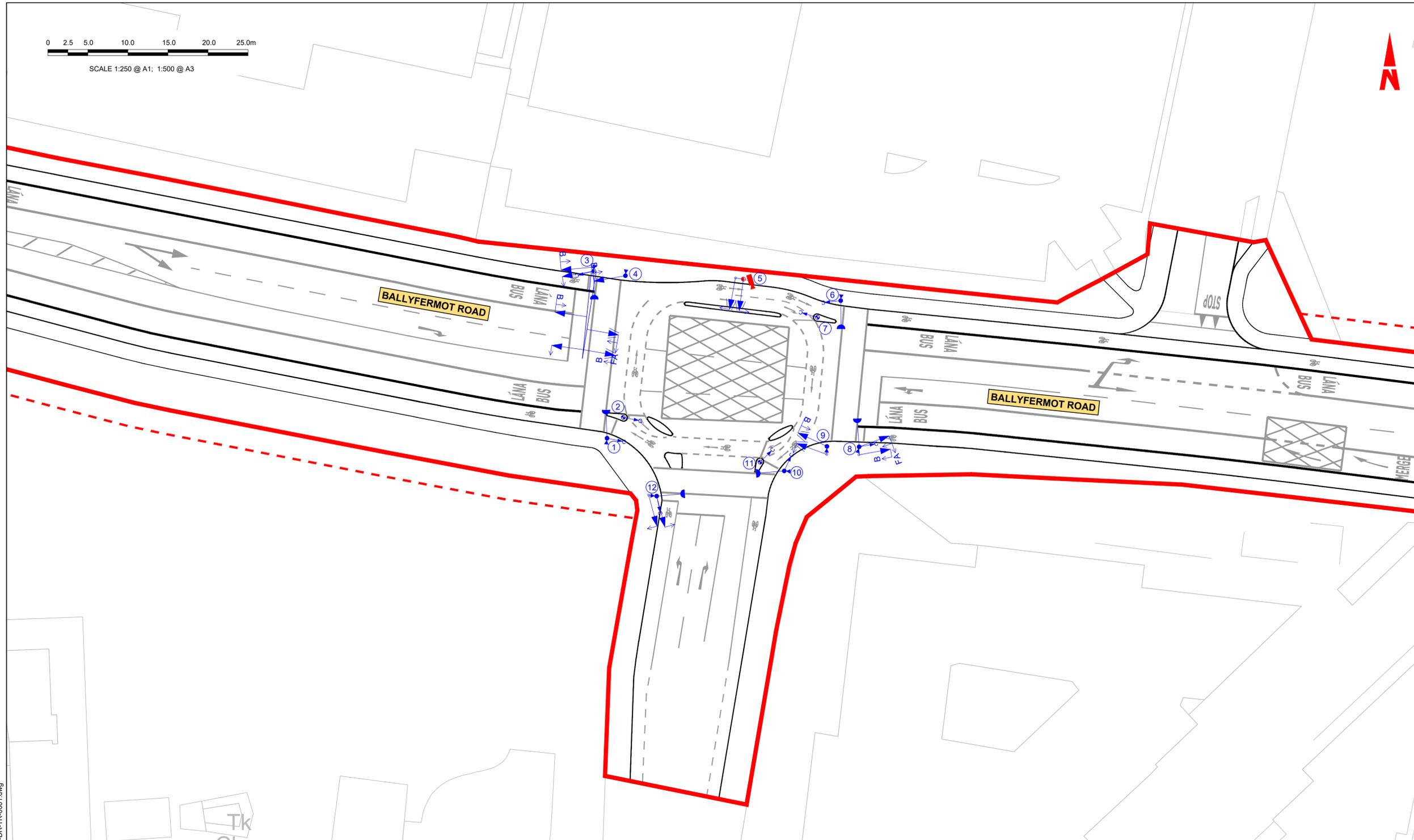
Project Code: BCIDB | Originator Code: JAC | QMS Code:

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN			
Drawing File Name: BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0006			
Sheet Number: 06 of 27	Status: A	Rev: M01	

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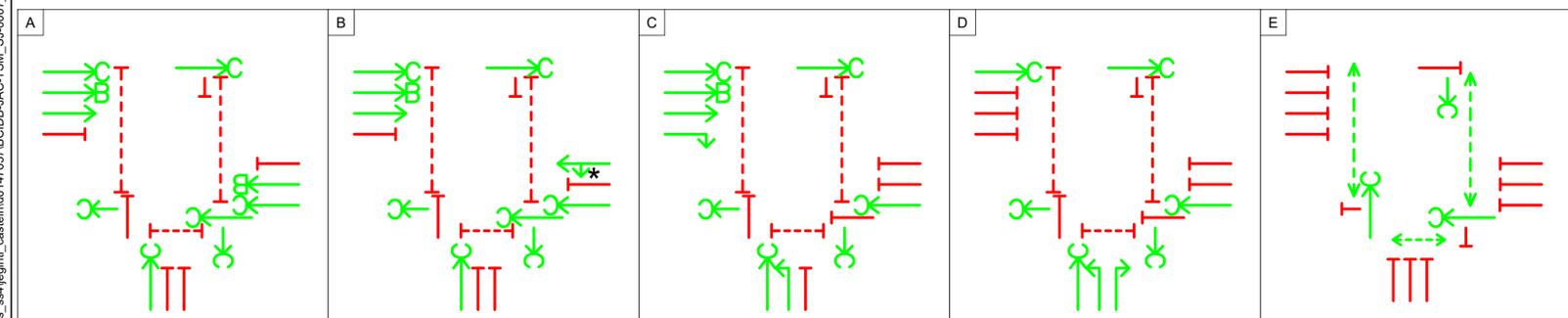


- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 002(A) PRIMARY
 - RTS 002(A) SECONDARY
 - RTS 002(C) PRIMARY
 - RTS 002(C) SECONDARY
 - RTS 002(E) PRIMARY
 - RTS 002(E) SECONDARY
 - RTS 002(K) PRIMARY
 - RTS 002(K) SECONDARY
 - RTS 004(E) PRIMARY
 - RTS 004(E) SECONDARY
 - RTS 007 PRIMARY
 - RTS 007 (LOW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



Indicative Method of Control

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Client: **NTA**
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National Transport Authority

Engineering Designer: **Jacobs**

Date: 07/06/2022 | Scale: 1:250 @ A1, 1:500 @ A3 | Drawn: PT | Checked: KM | Approved: JB

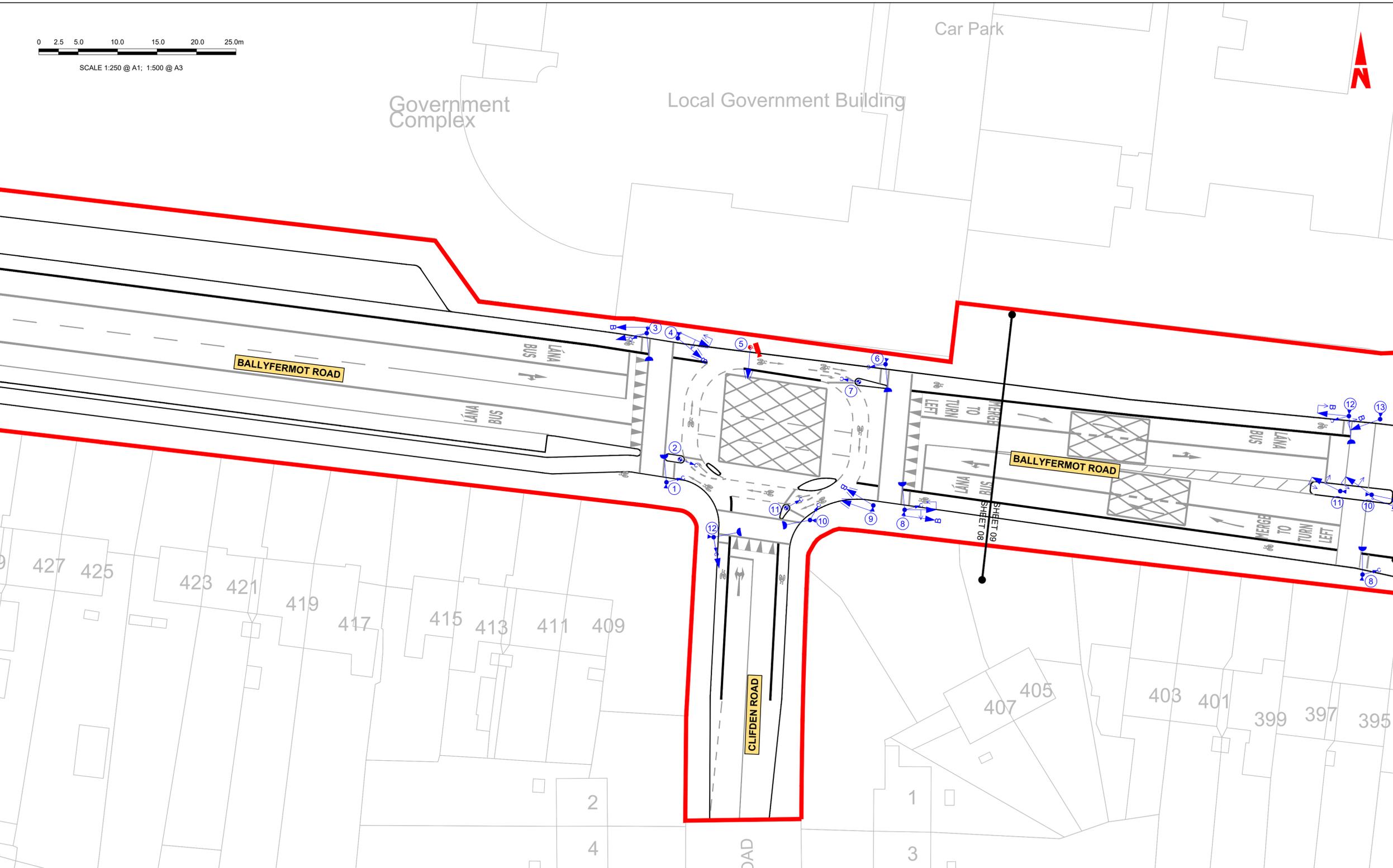
Project Code: BCIDB | Originator Code: JAC | QMS Code:

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

Drawing Title: LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN BALLYFERMOT ROAD / PRIMARY HEALTH CARE CENTRE JUNCTION

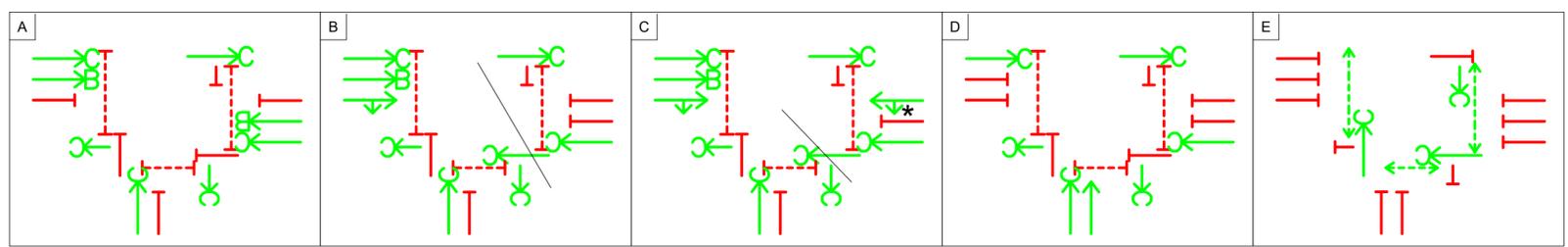
Drawing File Name: BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0007	Sheet Number: 07 of 27	Status: A	Rev: M01
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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 001 PRIMARY
 - RTS 001 SECONDARY
 - RTS 002(D) PRIMARY
 - RTS 002(D) SECONDARY
 - RTS 003(H) PRIMARY
 - RTS 003(H) SECONDARY
 - RTS 007 (LOW LEVEL) PRIMARY
 - RPC 004 PEDESTRIAN HEAD
- TRAFFIC SIGNAL EQUIPMENT:**
- POLE (STANDARD HEIGHT)
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
 - SMALL POLE
 - POLE NUMBER
 - PUSH BUTTON UNIT
 - PAN / TILT / ZOOM CCTV CAMERA
- GENERAL:**
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 - TEMPORARY LAND ACQUISITION

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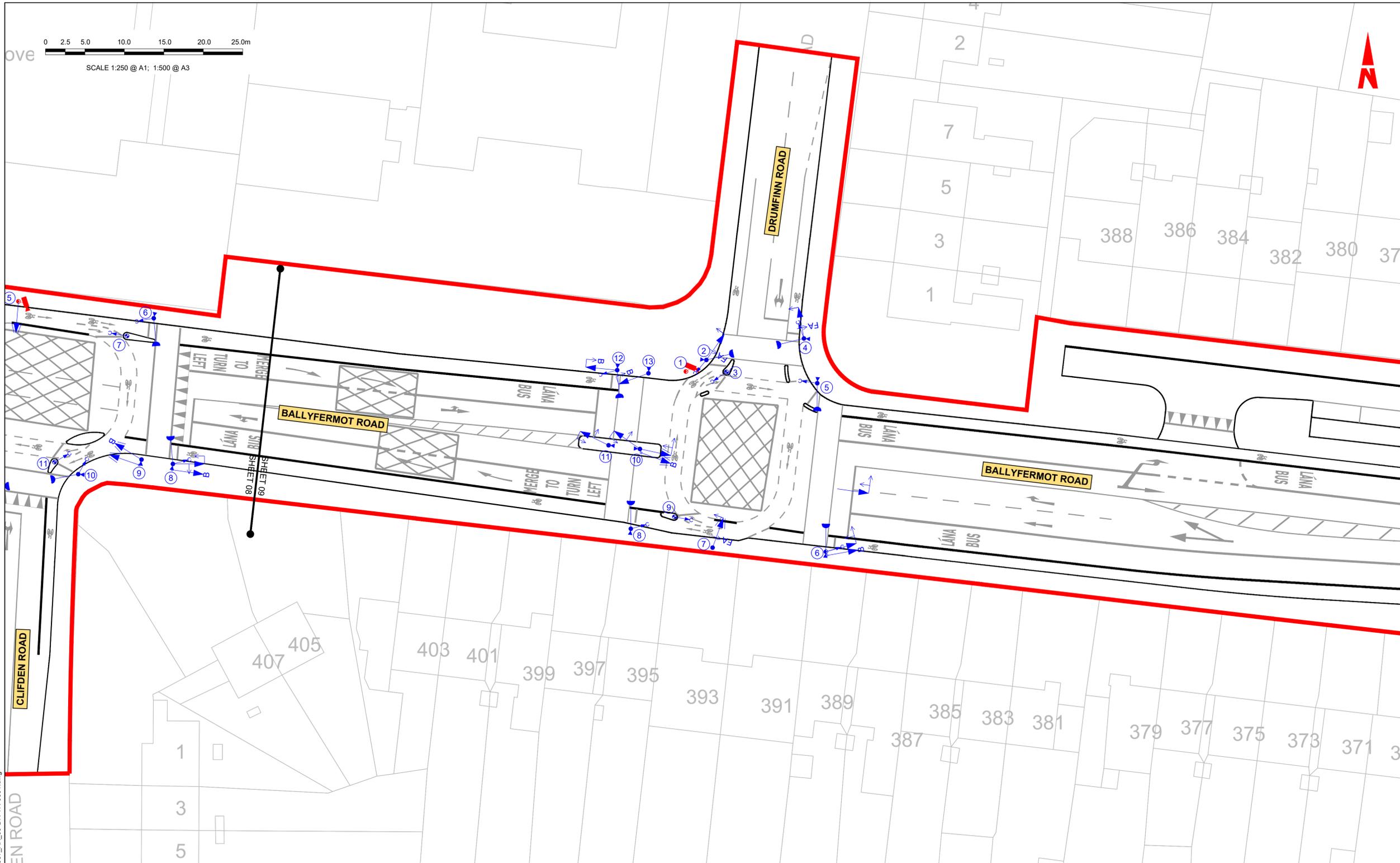
Rev	Date	Drn	Chk'd	App'd	Description
M01	07/06/2022	PT	KM	JB	ISSUE FOR PHASE 4: PLANNING

Date	Scale	Drawn	Checked	Approved
07/06/2022	1:250 @ A1 1:500 @ A3	PT	KM	JB
Project Code	Originator Code	QMS Code		
BCIDB	JAC			

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN BALLYFERMOT ROAD / CLIFDEN ROAD JUNCTION				
Drawing File Name	Sheet Number	Status	Rev	
BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0008	08 of 27	A	M01	

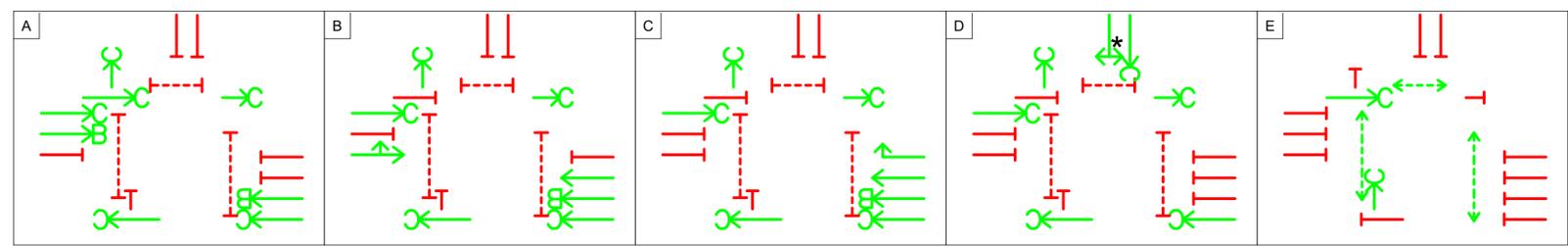
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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 002(D) PRIMARY
 - RTS 002(D) SECONDARY
 - RTS 002(E) PRIMARY
 - RTS 003(A) PRIMARY
 - RTS 003(A) SECONDARY
 - RTS 003(H) PRIMARY
 - RTS 004(I) PRIMARY
 - RTS 004(I) SECONDARY
 - RTS 007 (LOW LEVEL) PRIMARY
 - RPC 004 PEDESTRIAN HEAD
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- POLE (STANDARD HEIGHT)
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 - SMALL POLE
 - POLE NUMBER
 - PUSH BUTTON UNIT
 - PAN / TILT / ZOOM CCTV CAMERA
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Project Ireland 2040
Building Ireland's Future

Rev	Date	Drn	Chk'd	App'd	Description
M01	07/06/2022	PT	KM	JB	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **Jacobs**

Date: 07/06/2022 Scale: 1:250 @ A1, 1:500 @ A3

Project Code: BCIDB Originator Code: JAC

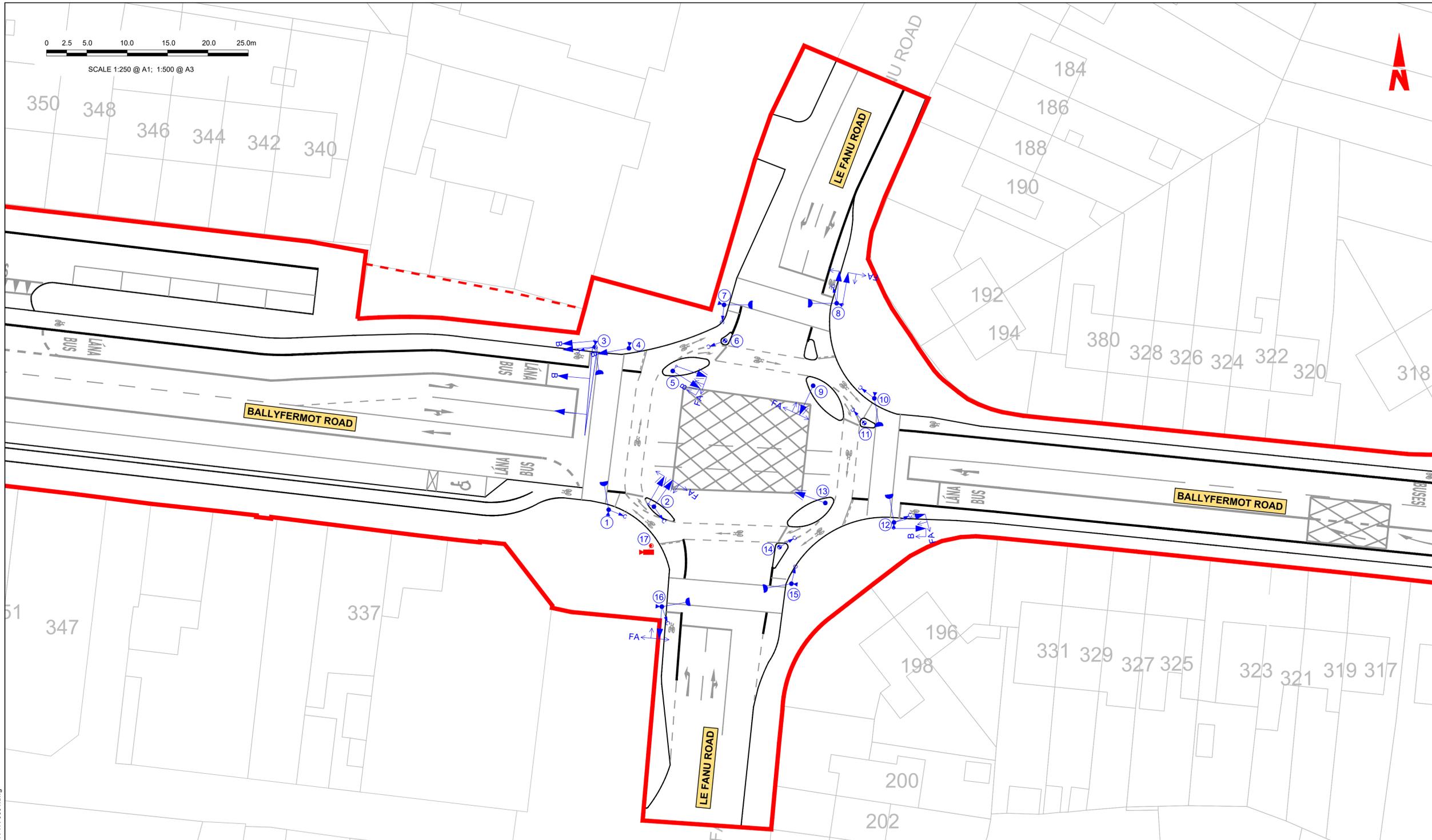
Drawn: PT Checked: KM Approved: JB

QMS Code:

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

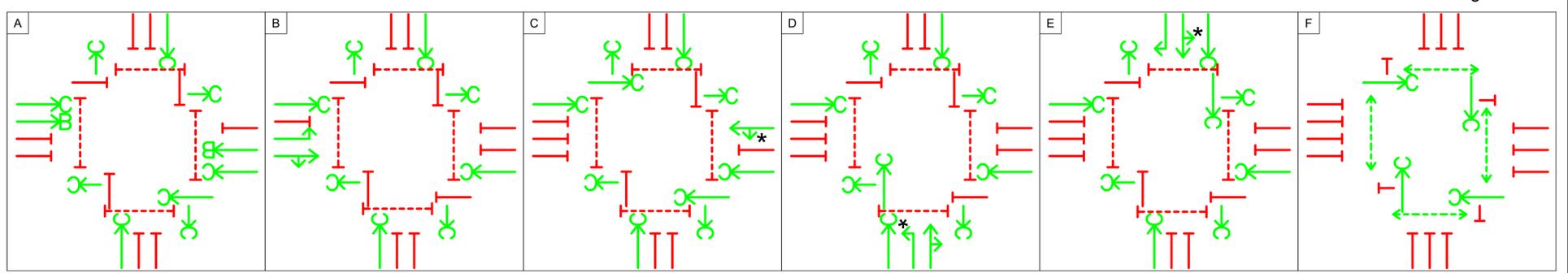
Drawing Title: LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN BALLYFERMOT ROAD / DRUMFINN ROAD JUNCTION

Drawing File Name: BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0009	Sheet Number: 09 of 27	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(E) PRIMARY
 - RTS 002(E) SECONDARY
 - RTS 004(D) PRIMARY
 - RTS 004(D) SECONDARY
 - RTS 004(E) PRIMARY
 - RTS 004(E) SECONDARY
 - RTS 007 (LOW LEVEL) PRIMARY
 - RPC 004 PEDESTRIAN HEAD
- TRAFFIC SIGNAL EQUIPMENT:**
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Údarás Náisiúnta Iompair
National Transport Authority

Engineering Designer: **Jacobs**

Date: 07/06/2022 | Scale: 1:250 @ A1, 1:500 @ A3 | Drawn: PT | Checked: KM | Approved: JB

Project Code: BCIDB | Originator Code: JAC | QMS Code:

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

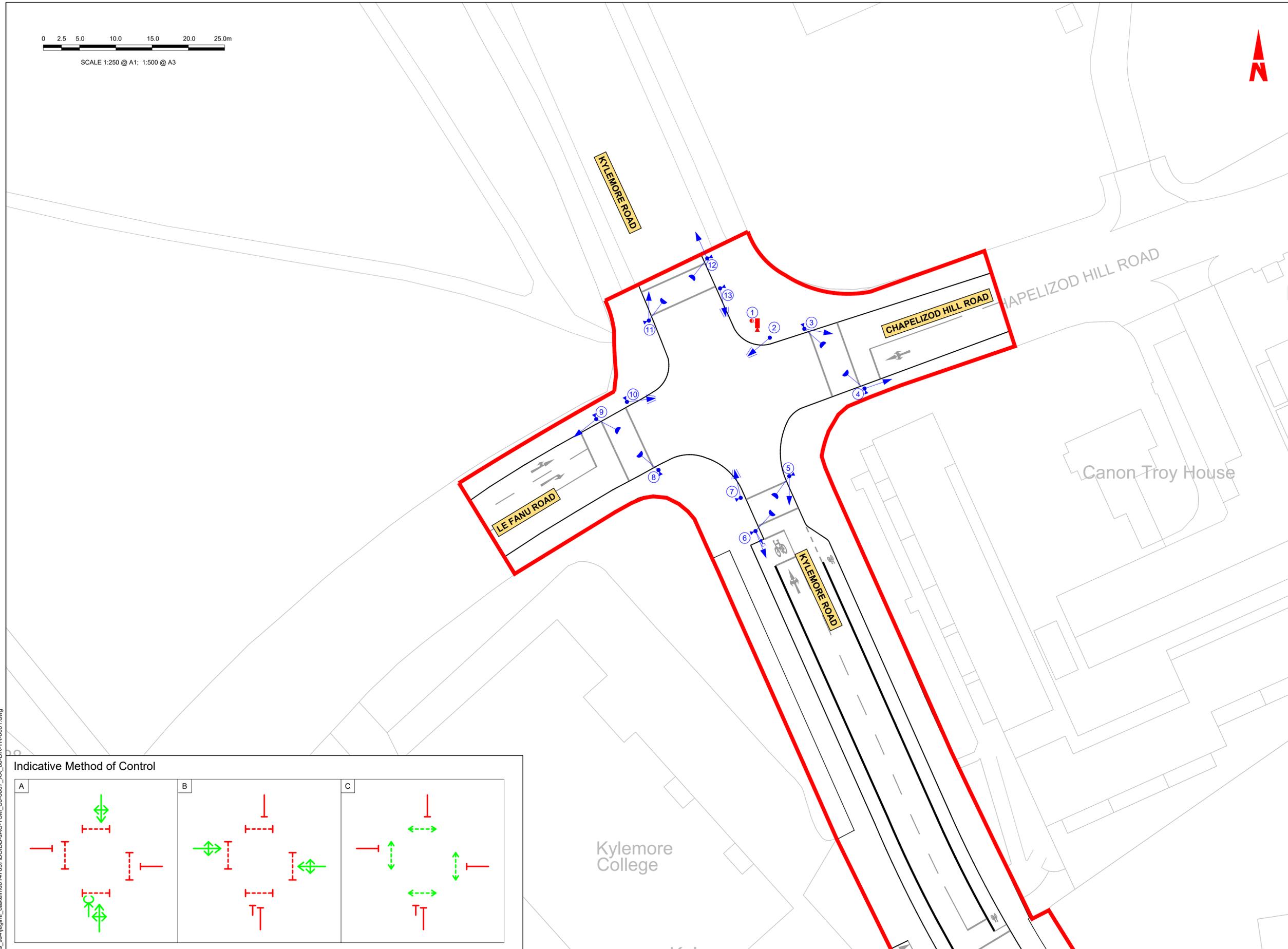
Drawing Title: LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME
JUNCTION SYSTEMS DESIGN
BALLYFERMOT ROAD / LE FANU ROAD JUNCTION

Drawing File Name: BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0010 | Sheet Number: 10 of 27 | Status: A | Rev: M01

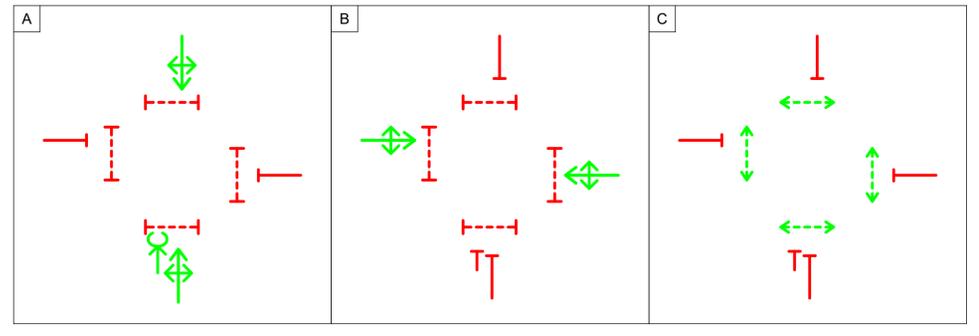
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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 001 PRIMARY
 - RTS 001 SECONDARY
 - RTS 007 (LOW LEVEL) PRIMARY
 - RPC 004 PEDESTRIAN HEAD
- TRAFFIC SIGNAL EQUIPMENT:**
- POLE (STANDARD HEIGHT)
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
 - SMALL POLE
 - POLE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



Indicative Method of Control



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Rev	Date	Drm	Chk'd	App'd	Description
M01	07/06/2022	PT	KM	JB	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **Jacobs**

Date: 07/06/2022 | Scale: 1:250 @ A1, 1:500 @ A3 | Drawn: PT | Checked: KM | Approved: JB

Project Code: BCIDB | Originator Code: JAC | QMS Code:

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN LE FANU / KYLEMORE ROAD / CHAPELIZOD HILL JUNCTION			
Drawing File Name: BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0011	Sheet Number: 11 of 27	Status: A	Rev: M01

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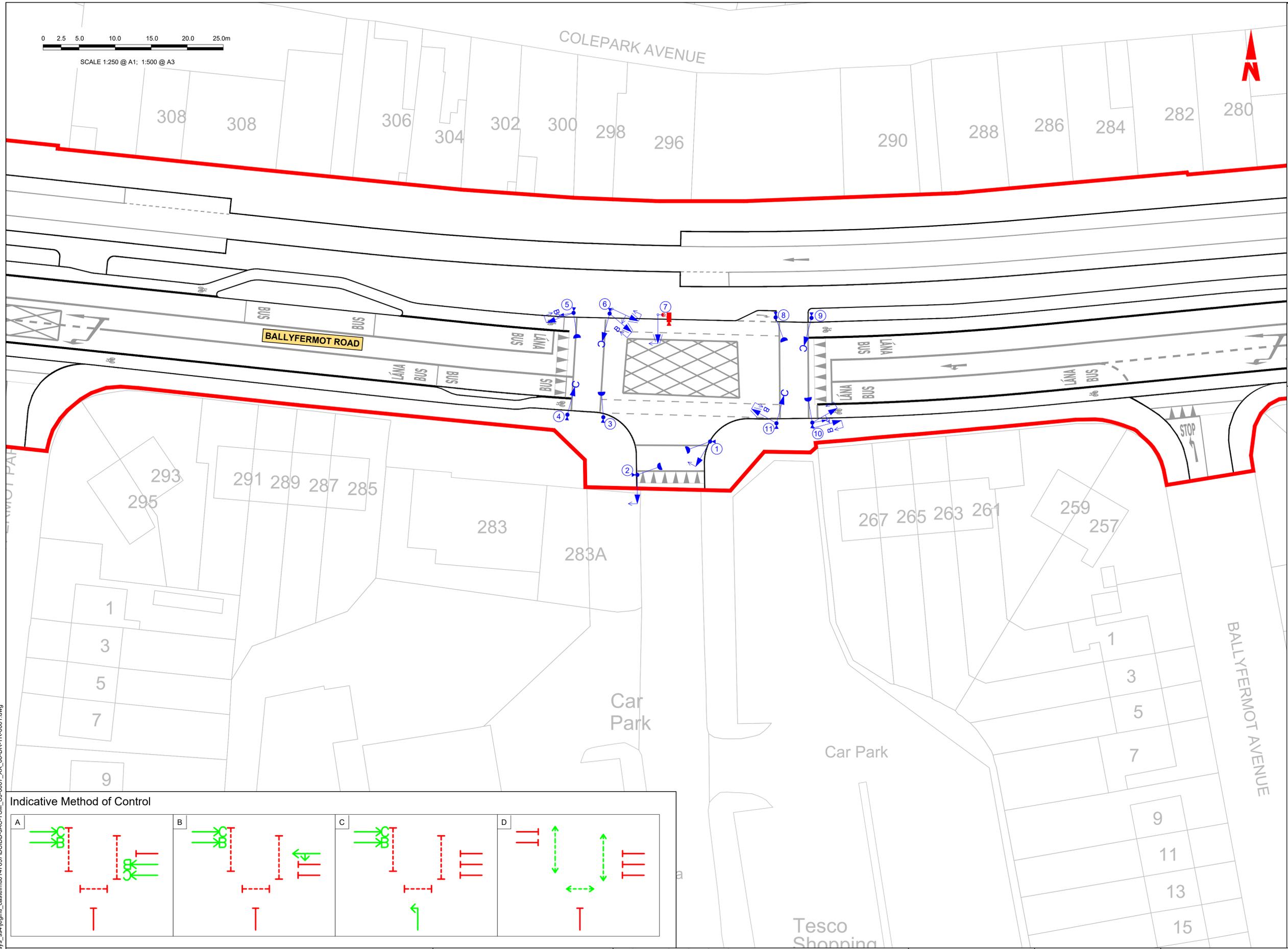
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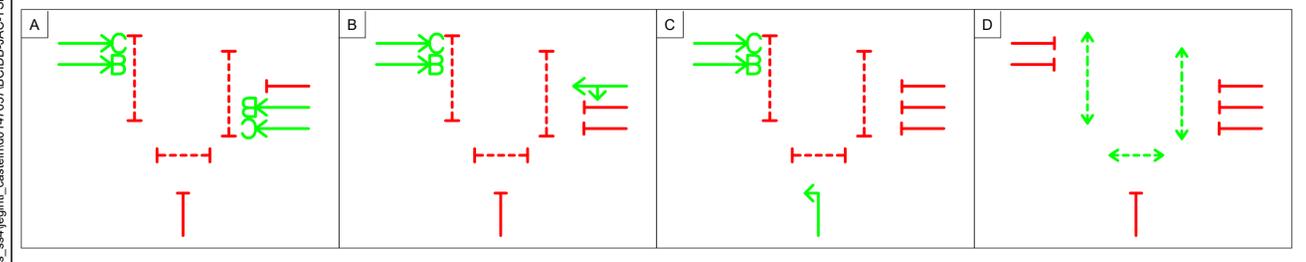
SCALE 1:250 @ A1; 1:500 @ A3



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



Indicative Method of Control



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Rev	Date	Drn	Chk'd	App'd	Description
M01	07/06/2022	PT	KM	JB	ISSUE FOR PHASE 4: PLANNING

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

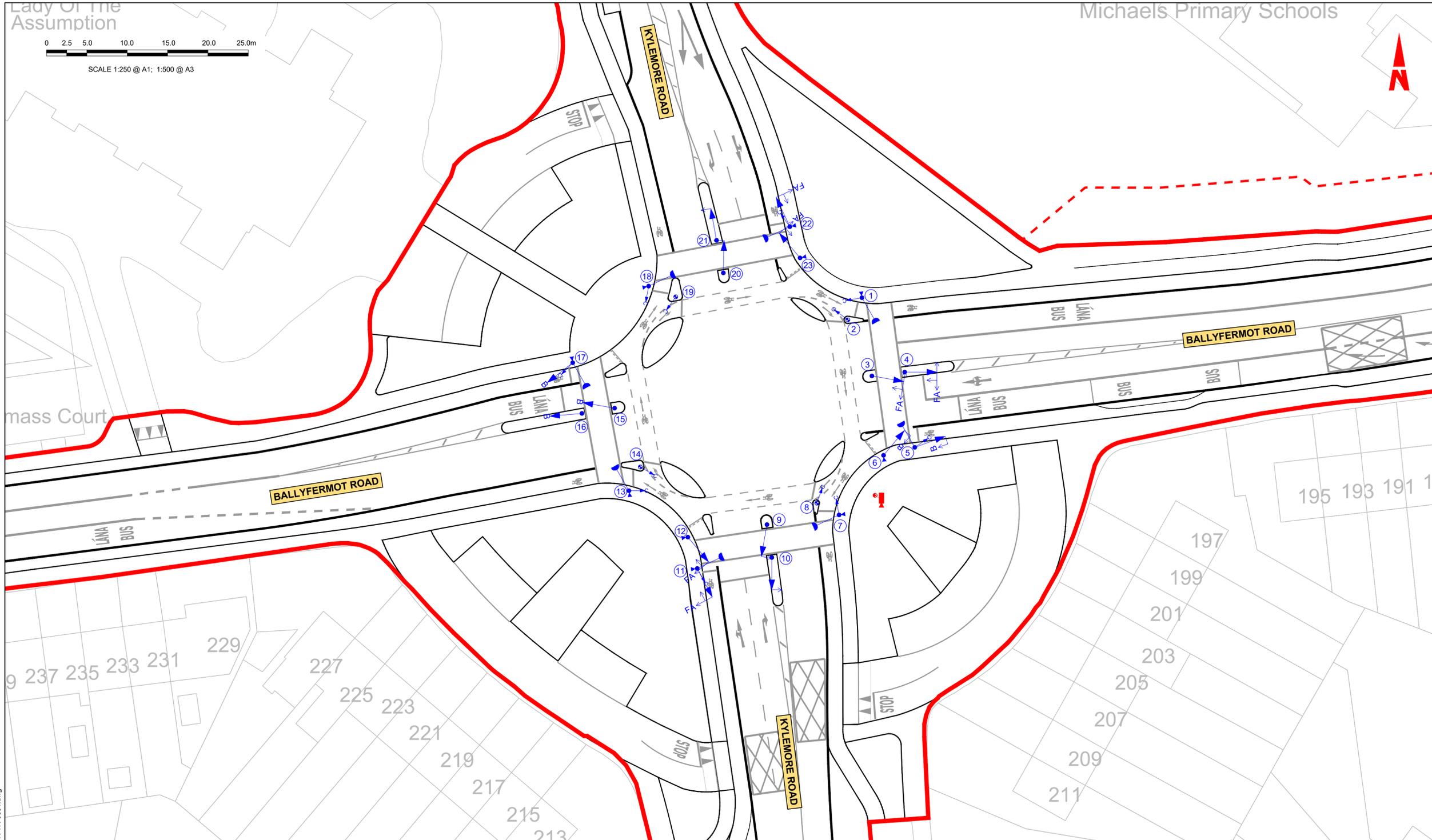
Engineering Designer: **Jacobs**

Date	Scale	Drawn	Checked	Approved
07/06/2022	1:250 @ A1 1:500 @ A3	PT	KM	JB

Project Code: BCIDB | Originator Code: JAC | QMS Code:

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN BALLYFERMOT ROAD / COMMERCIAL CENTRE JUNCTION			
Drawing File Name: BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0012	Sheet Number: 12 of 27	Status: A	Rev: M01

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LEGEND:

TRAFFIC SIGNAL HEADS:

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

TRAFFIC SIGNAL EQUIPMENT:

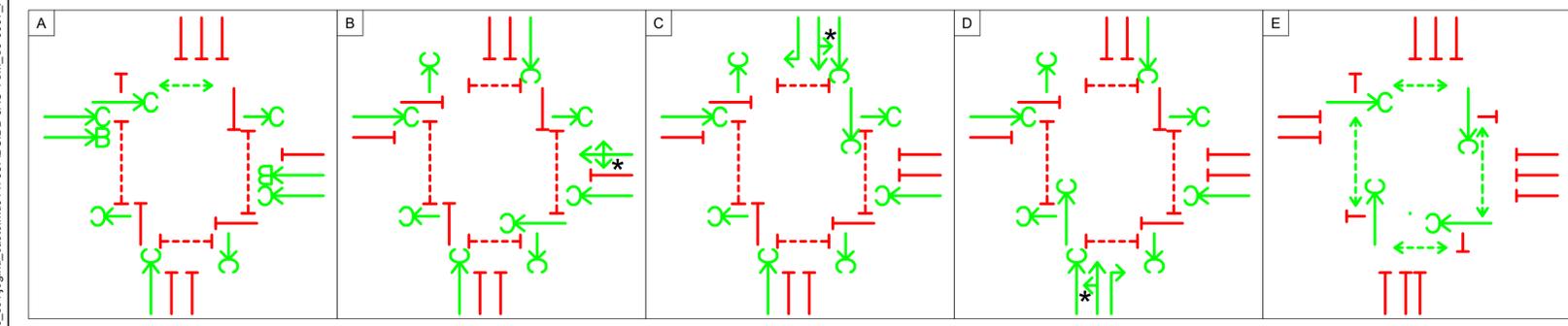
- POLE (STANDARD HEIGHT)
- TALL POLE (CCTV/TRAFFIC SIGNALS)
- SMALL POLE
- POLE NUMBER
- PUSH BUTTON UNIT
- PAN / TILT / ZOOM CCTV CAMERA

GENERAL:

- SITE BOUNDARY LINE
- TEMPORARY LAND ACQUISITION

Indicative Method of Control

* denotes Flashing Amber



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Rev	Date	Drn	Chk'd	App'd	Description
M01	07/06/2022	PT	KM	JB	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **Jacobs**

Date: 07/06/2022 Scale: 1:250 @ A1, 1:500 @ A3
 Drawn: PT, Checked: KM, Approved: JB

Project Code: BCIDB, Originator Code: JAC, QMS Code:

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

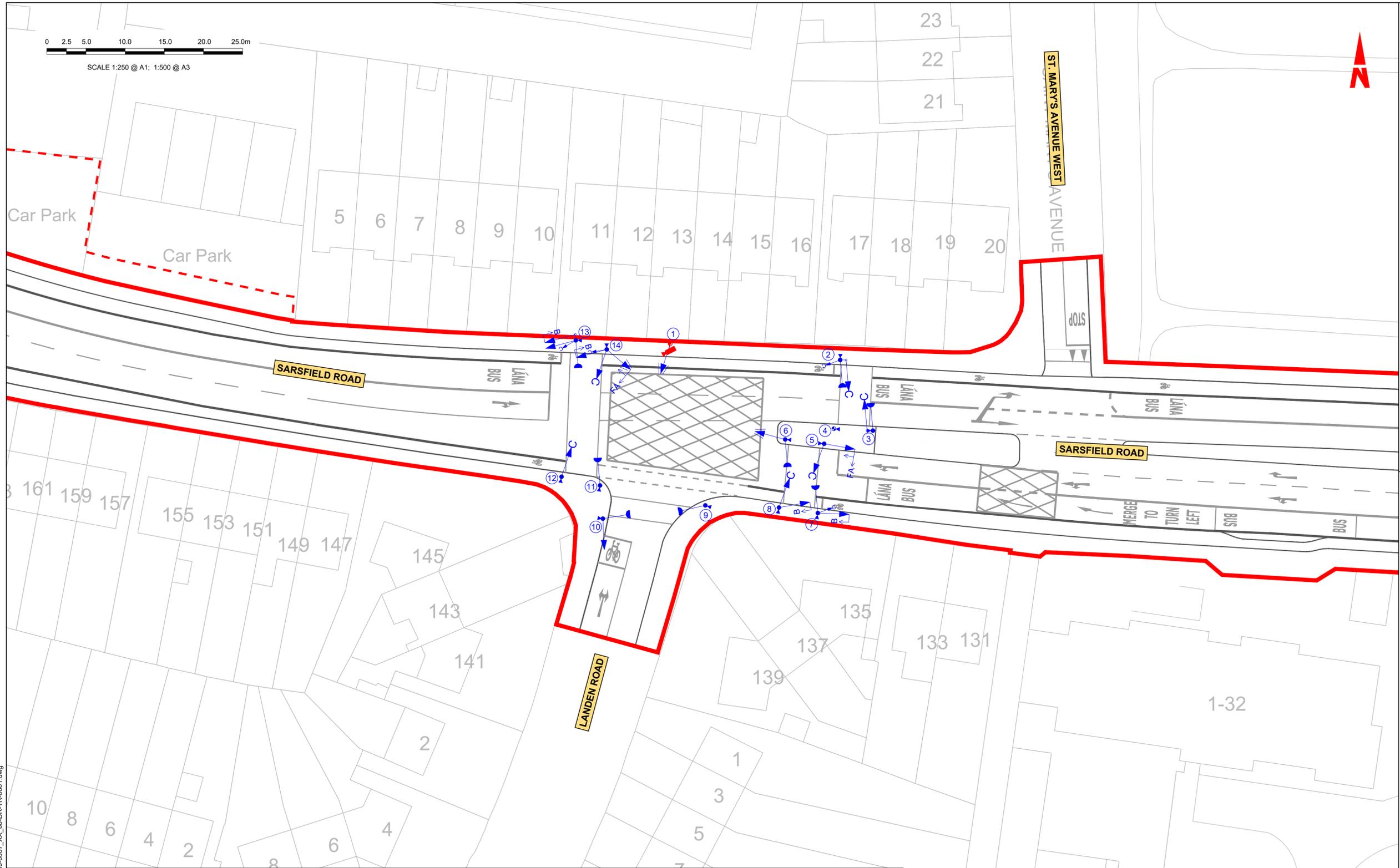
Drawing Title: **LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN BALLYFERMOT ROAD / KYLEMORE ROAD JUNCTION**

Drawing File Name: BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0013	Sheet Number: 13 of 27	Status: A	Rev: M01
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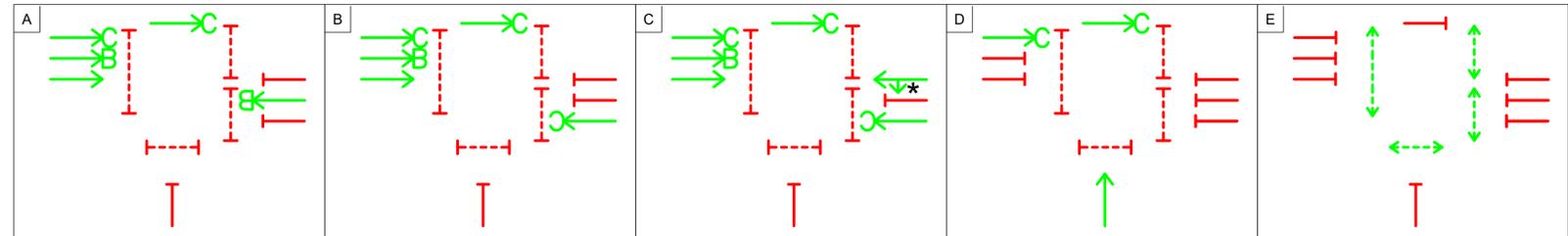


- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
 - RTS 001 PRIMARY
 - RTS 001 SECONDARY
 - RTS 002(E) PRIMARY
 - RTS 004(E) PRIMARY
 - RTS 004(E) SECONDARY
 - RTS 007 PRIMARY
 - RTS 007 (LOW LEVEL) PRIMARY
 - RPC 004 PEDESTRIAN HEAD
 - TRAFFIC SIGNAL EQUIPMENT:**
 - POLE (STANDARD HEIGHT)
 - TALL POLE (CCTV/TRAFFIC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



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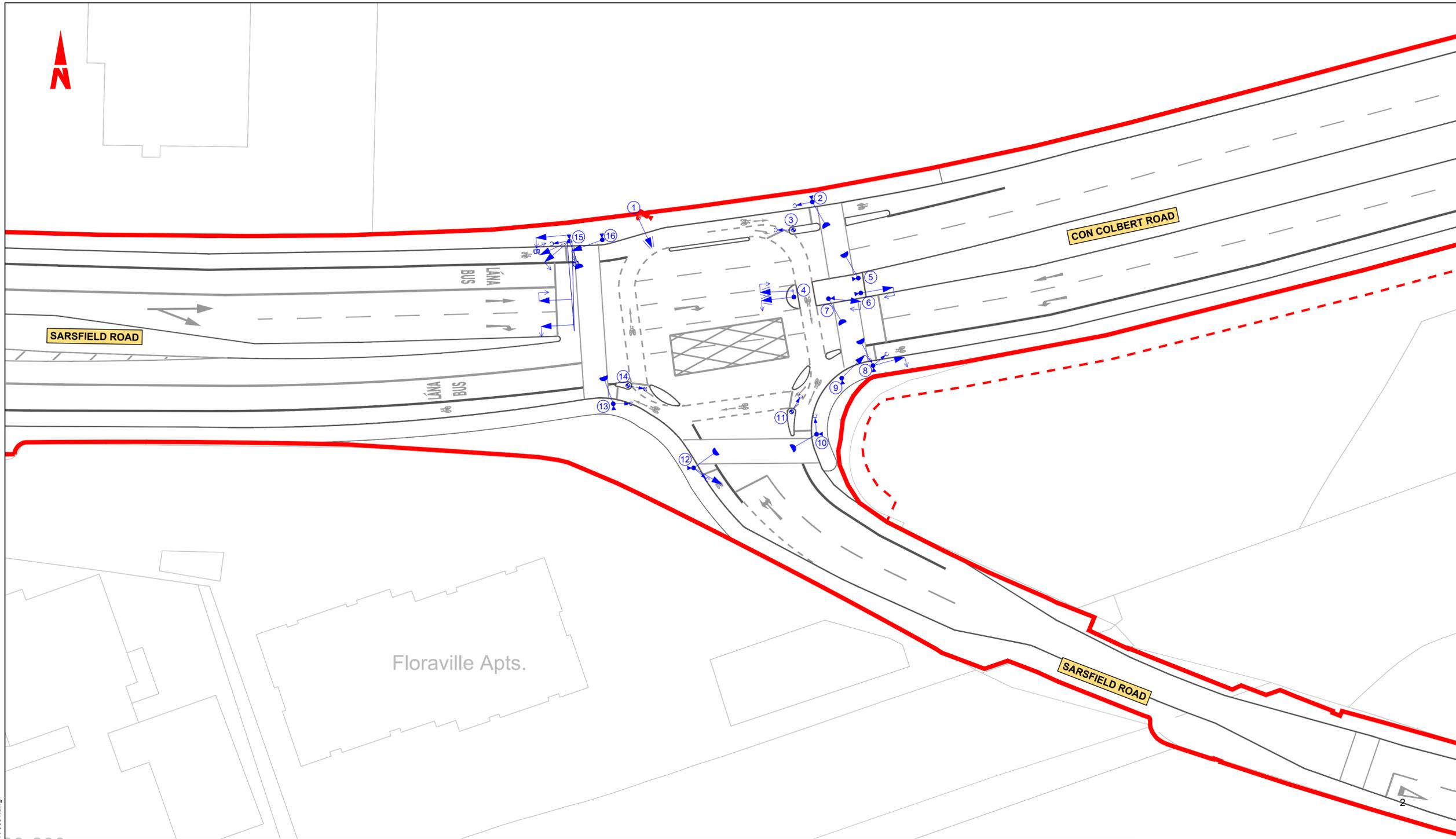
Rev	Date	Drn	Chk'd	App'd	Description
M01	07/06/2022	PT	KM	JB	ISSUE FOR PHASE 4: PLANNING

Client
NTA
 Údarás Náisiúnta Iompair
 National Transport Authority

Engineering Designer
Jacobs

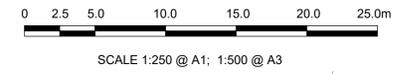
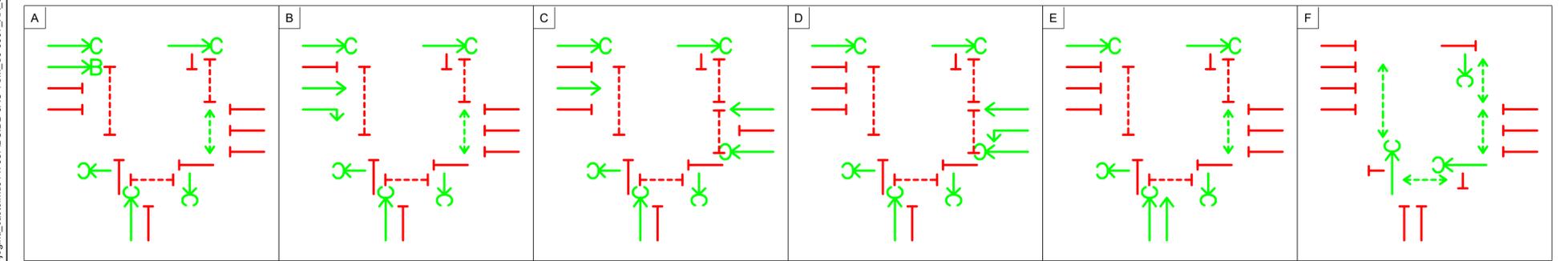
Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS	
Drawing Title LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN SARSFIELD ROAD / LANDEN ROAD JUNCTION	
Drawing File Name BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0014	Sheet Number 14 of 27
Status A	Rev M01

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

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Rev	Date	Drn	Chk'd	App'd	Description
M01	07/06/2022	PT	KM	JB	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **Jacobs**

Date: 07/06/2022
Scale: 1:250 @ A1
1:500 @ A3

Drawn: PT
Checked: KM
Approved: JB

Project Code: BCIDB
Originator Code: JAC

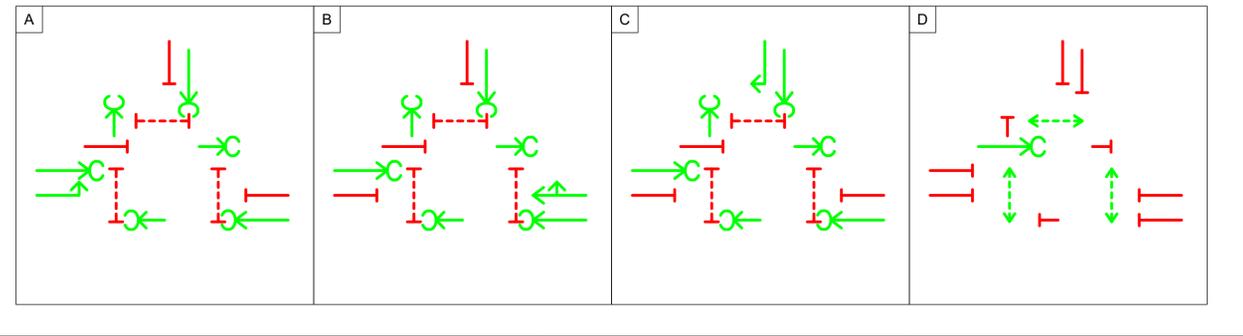
QMS Code:

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN DRAWINGS SARFIELD ROAD / CON COLBERT ROAD JUNCTION			
Drawing File Name: BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0015	Sheet Number: 15 of 27	Status: A	Rev: M01

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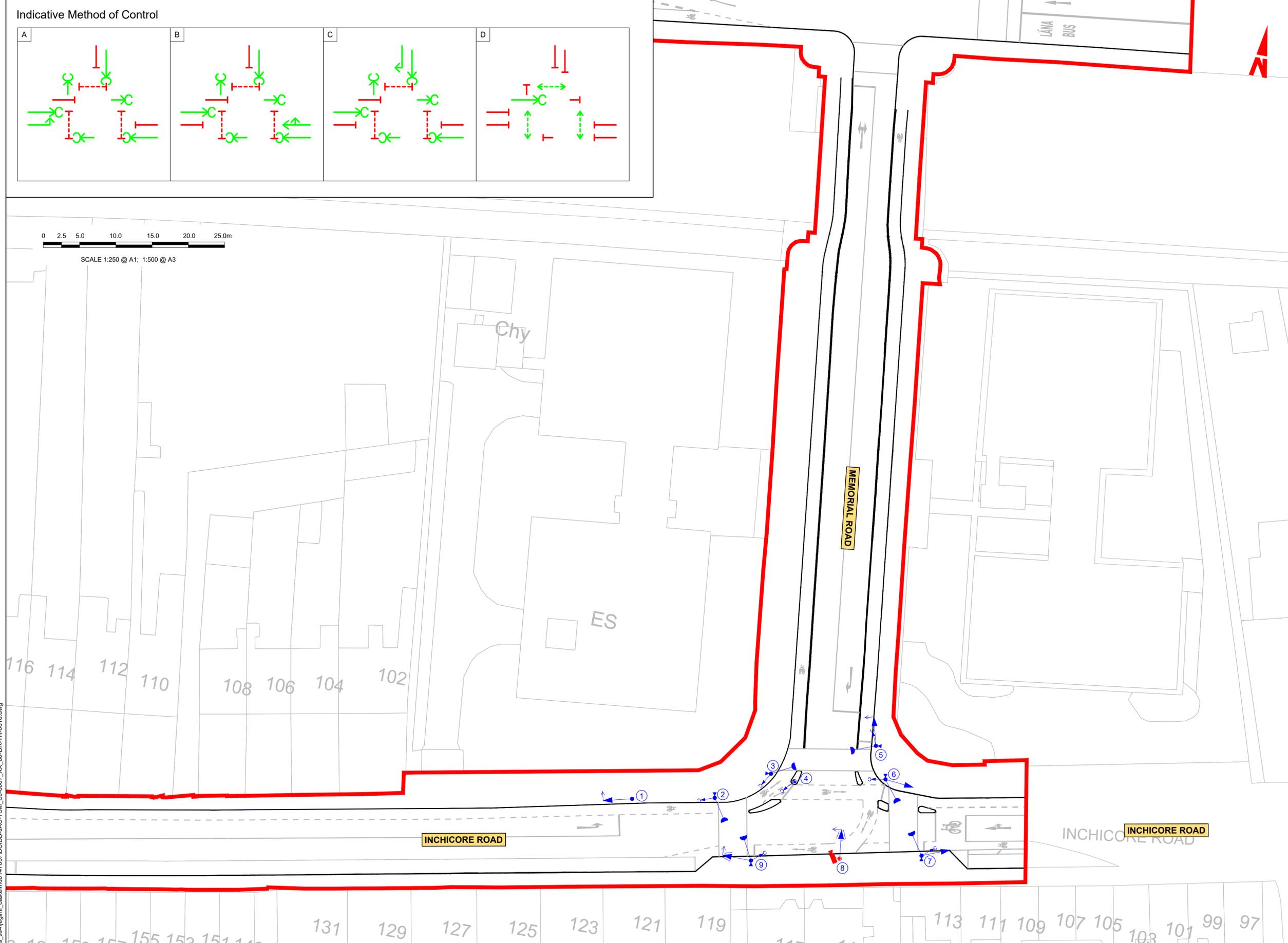
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Indicative Method of Control



0 2.5 5.0 10.0 15.0 20.0 25.0m

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



LEGEND:

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

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Rev	Date	Drn	Chk'd	App'd	Description
M01	07/06/2022	PT	KM	JB	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **Jacobs**

Date: 07/06/2022 | Scale: 1:250 @ A1, 1:500 @ A3 | Drawn: PT | Checked: KM | Approved: JB

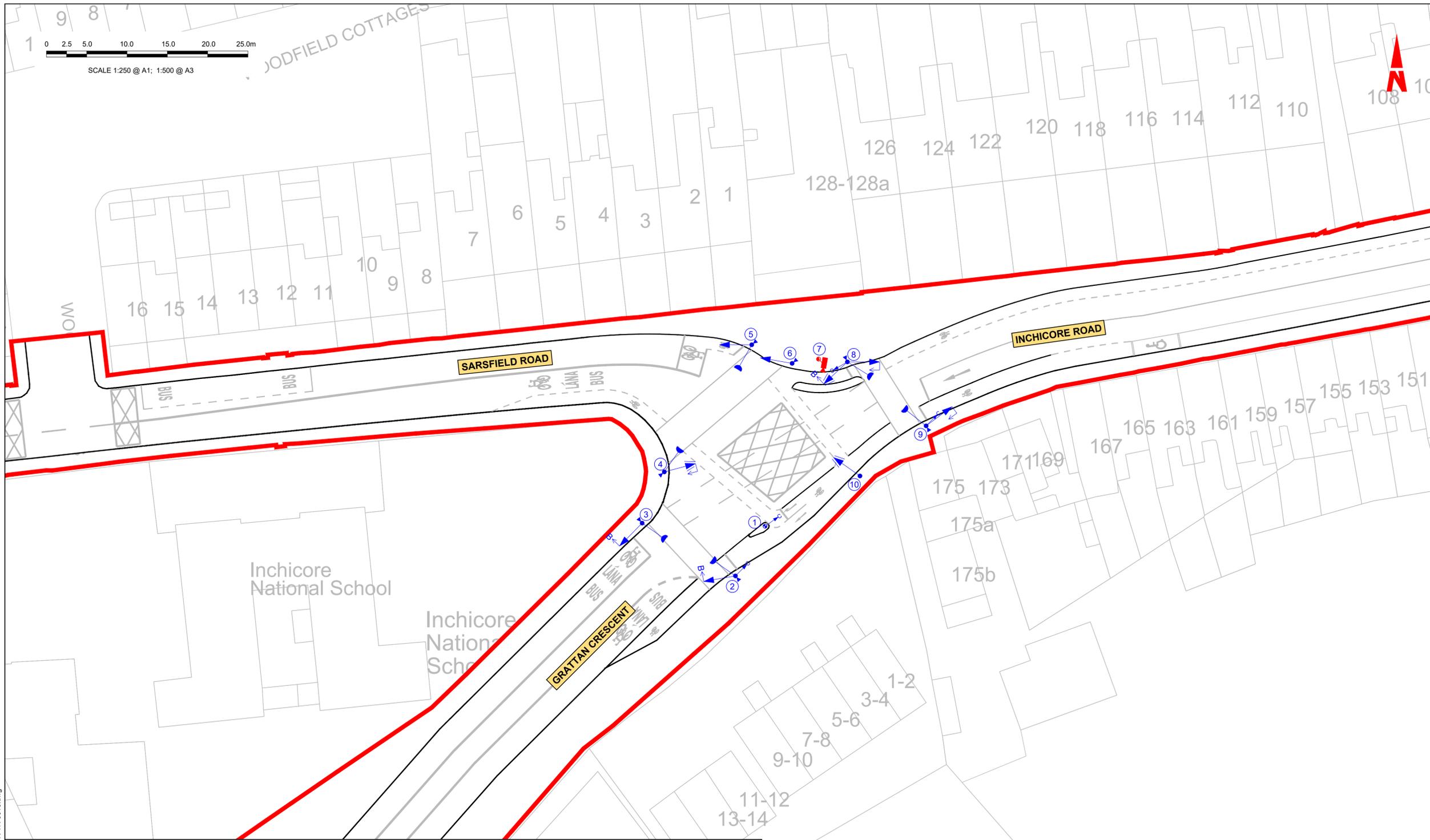
Project Code: BCIDB | Originator Code: JAC | QMS Code:

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

Drawing Title: LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME
JUNCTION SYSTEMS DESIGN
INCHICORE ROAD / MEMORIAL ROAD JUNCTION

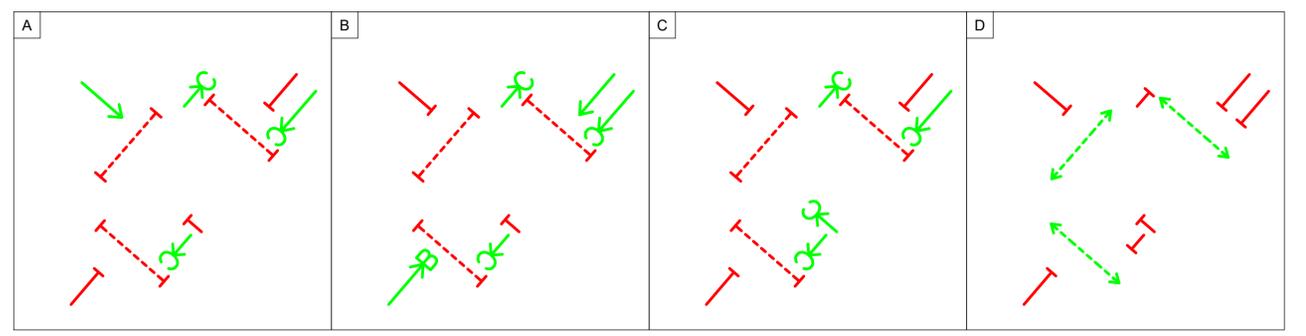
Drawing File Name: BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0016 | Sheet Number: 16 of 27 | Status: A | Rev: M01

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

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Rev	Date	Dwn	Chk'd	App'd	Description
M01	07/06/2022	PT	KM	JB	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **Jacobs**

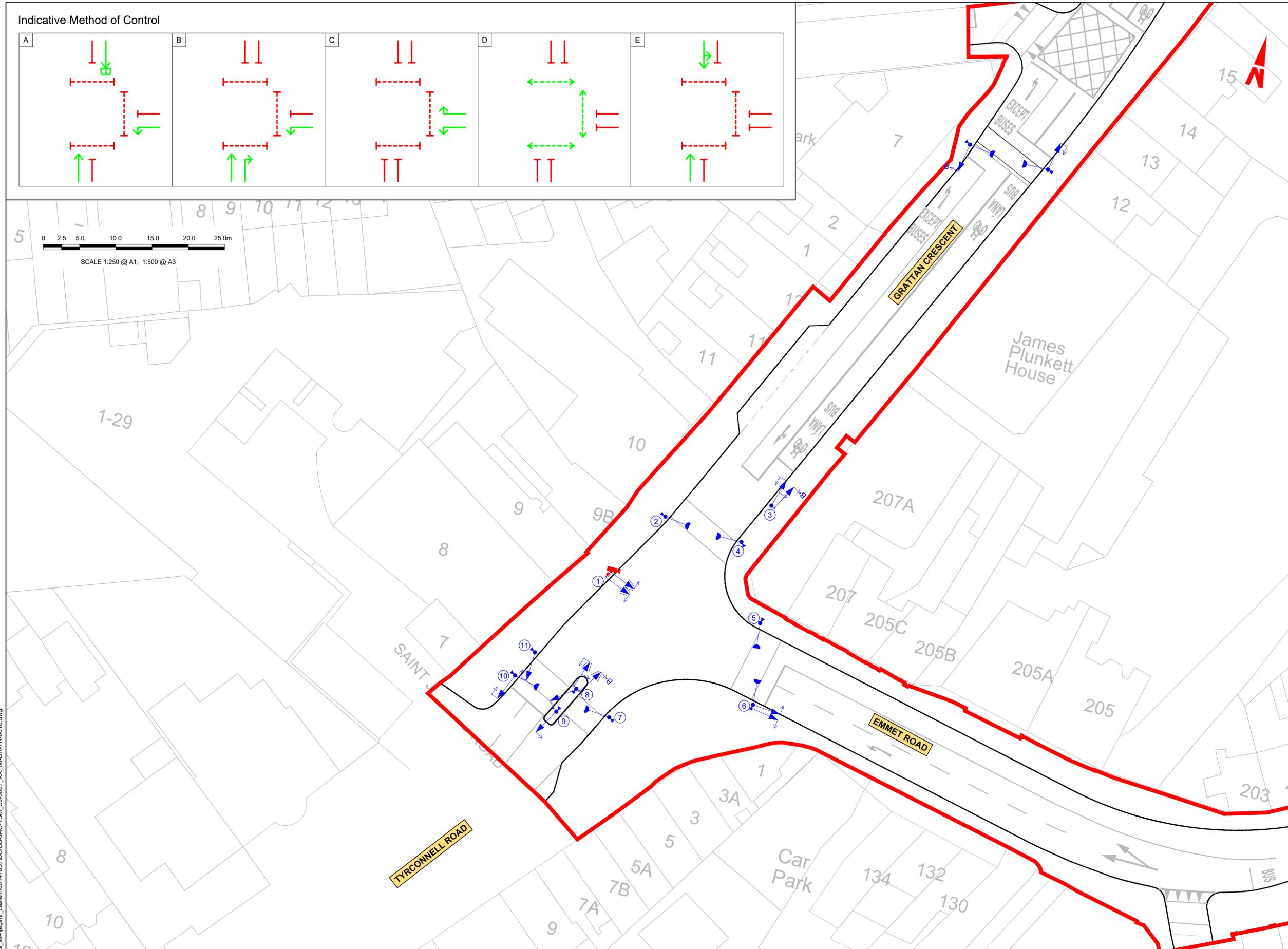
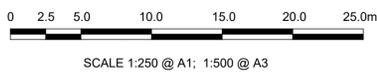
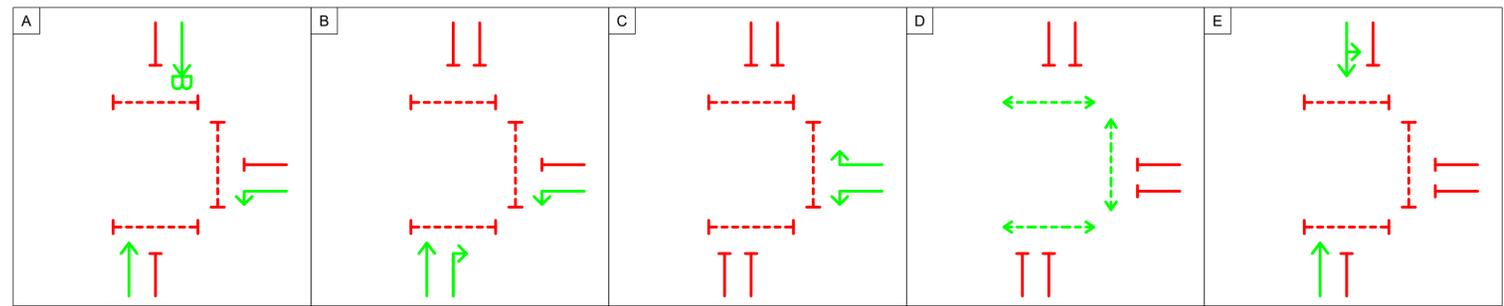
Date	Scale	Drawn	Checked	Approved
07/06/2022	1:250 @ A1 1:500 @ A3	PT	KM	JB

Project Code: BCIDB | Originator Code: JAC | QMS Code:

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN SARSFIELD ROAD / INCHICORE ROAD / GRATTTAN CRESCENT JUNCTION			
Drawing File Name: BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0017	Sheet Number: 17 of 27	Status: A	Rev: M01

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Indicative Method of Control



LEGEND:

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

C:\pwworking\jacobs_uk_highways_ss4\legintl_caslehd0147657\BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0016.dwg

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Rev	Date	Drn	Chk'd	App'd	Description
M01	07/06/2022	PT	KM	JB	ISSUE FOR PHASE 4: PLANNING

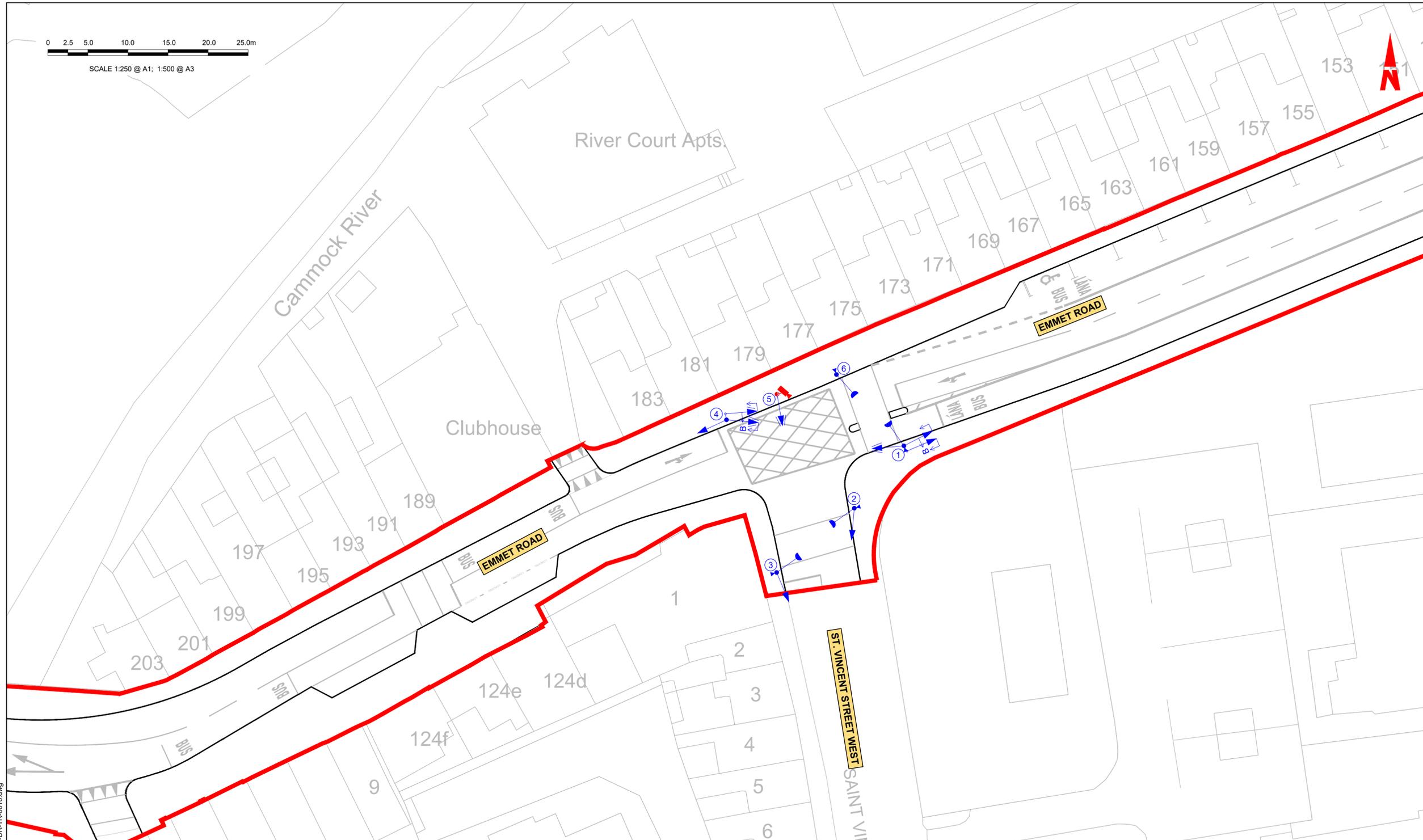
Date	Scale	Drawn	Checked	Approved
07/06/2022	1:250 @ A1 1:500 @ A3	PT	KM	JB
Project Code	Originator Code	QMS Code		
BCIDB	JAC			

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN GRATTAN CRESCENT / TYRCONNELL ROAD / EMMET ROAD JUNCTION			
Drawing File Name	Sheet Number	Status	Rev
BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0018	18 of 27	A	M01

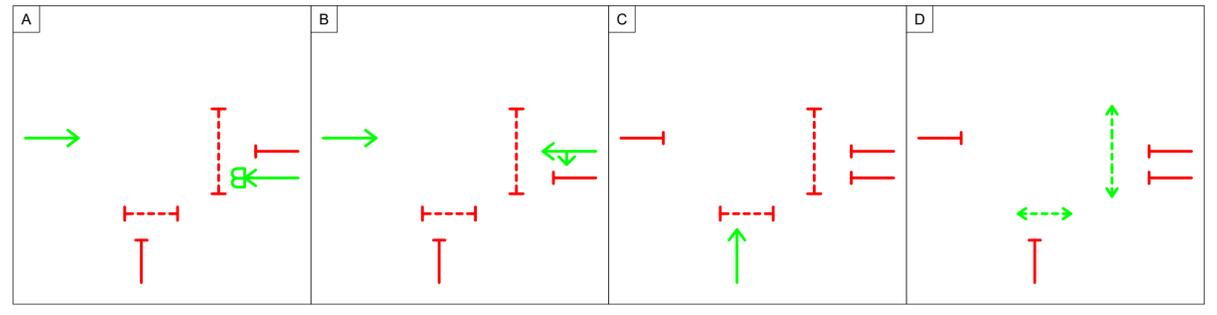
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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 001 PRIMARY
 - RTS 001 SECONDARY
 - RTS 002(B) PRIMARY
 - RTS 002(B) SECONDARY
 - RTS 002(E) PRIMARY
 - RTS 002(E) SECONDARY
 - RTS 003(H) PRIMARY
 - RTS 003(H) SECONDARY
 - RTS 007 (LOW LEVEL) PRIMARY
 -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



Indicative Method of Control



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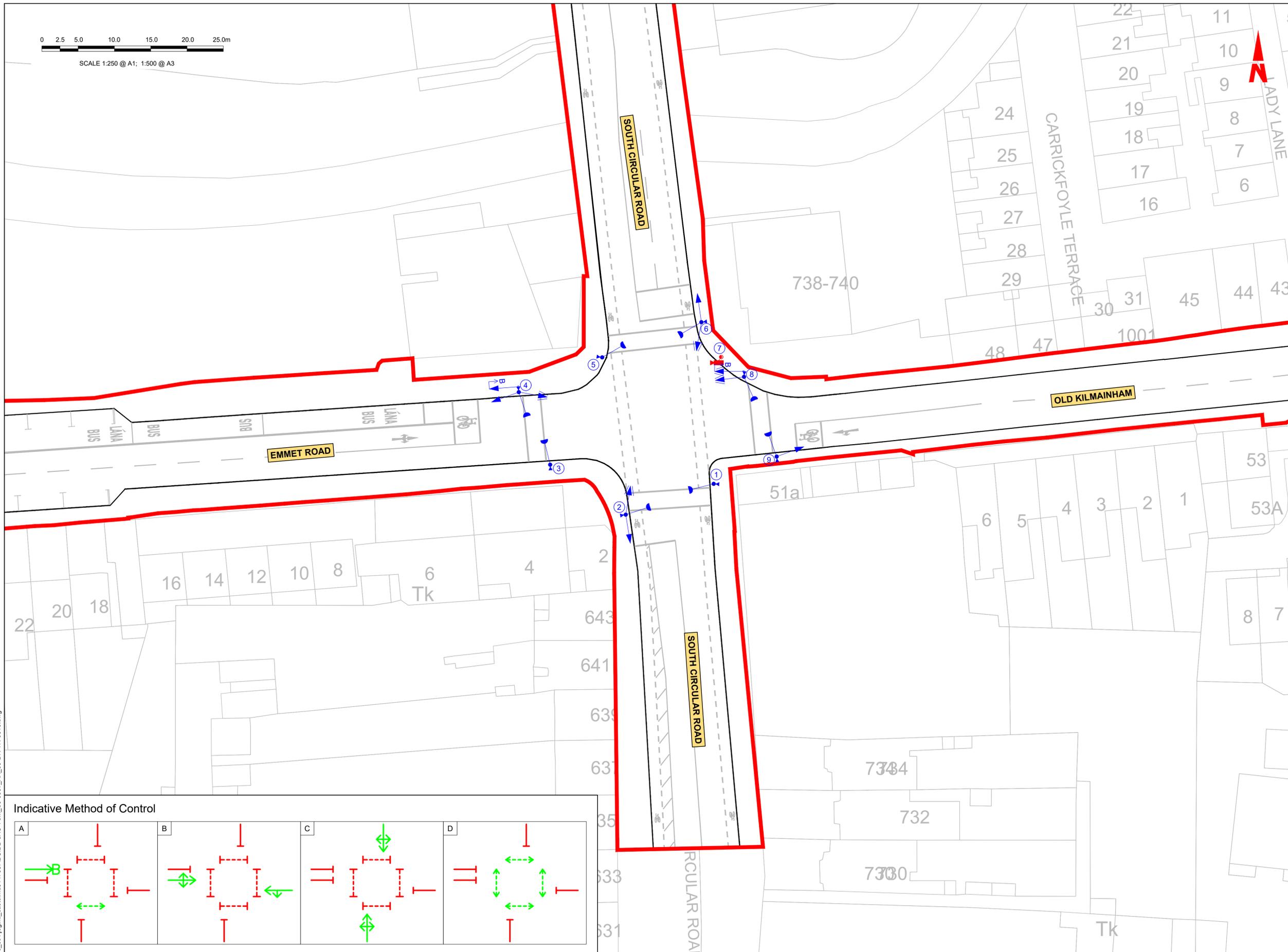
Rev	Date	Drn	Chk'd	App'd	Description
M01	07/06/2022	PT	KM	JB	ISSUE FOR PHASE 4: PLANNING

Date	Scale	Drawn	Checked	Approved
07/06/2022	1:250 @ A1 1:500 @ A3	PT	KM	JB
Project Code	Originator Code	QMS Code		
BCIDB	JAC			

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN EMMET ROAD / ST VINCENT STREET WEST JUNCTION			
Drawing File Name	Sheet Number	Status	Rev
BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0019	19 of 27	A	M01

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LEGEND:

TRAFFIC SIGNAL HEADS:

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

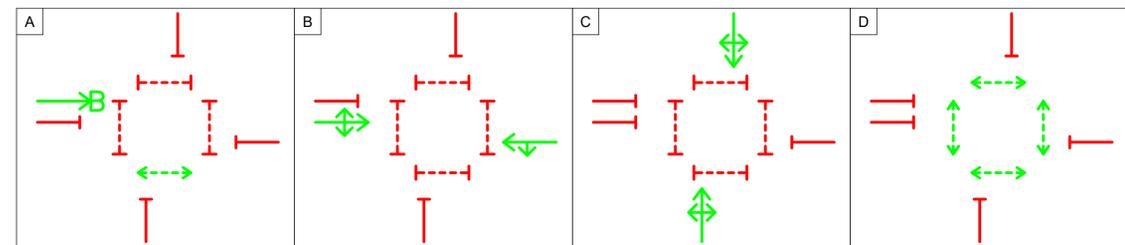
TRAFFIC SIGNAL EQUIPMENT:

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

GENERAL:

- SITE BOUNDARY LINE
- TEMPORARY LAND ACQUISITION

Indicative Method of Control



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Rev	Date	Drm	Chk'd	App'd	Description
M01	07/06/2022	PT	KM	JB	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **Jacobs**

Date	Scale	Drawn	Checked	Approved
07/06/2022	1:250 @ A1 1:500 @ A3	PT	KM	JB
Project Code	Originator Code	QMS Code		
BCIDB	JAC			

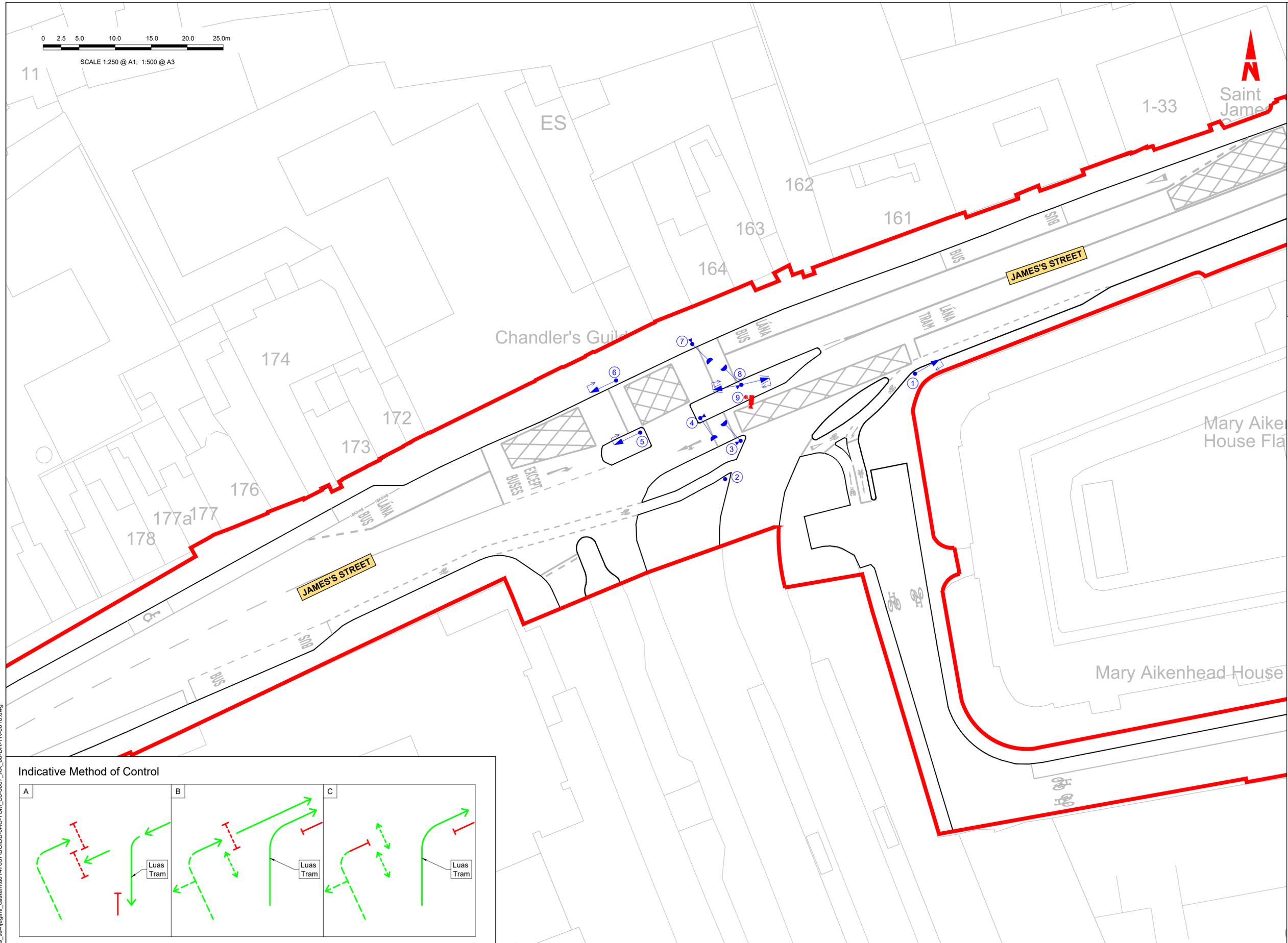
Programme Title	BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS		
Drawing Title	LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN EMMET ROAD / SOUTH CIRCULAR ROAD / OLD KILMAINHAM JUNCTION		
Drawing File Name	Sheet Number	Status	Rev
BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0020	20 of 27	A	M01

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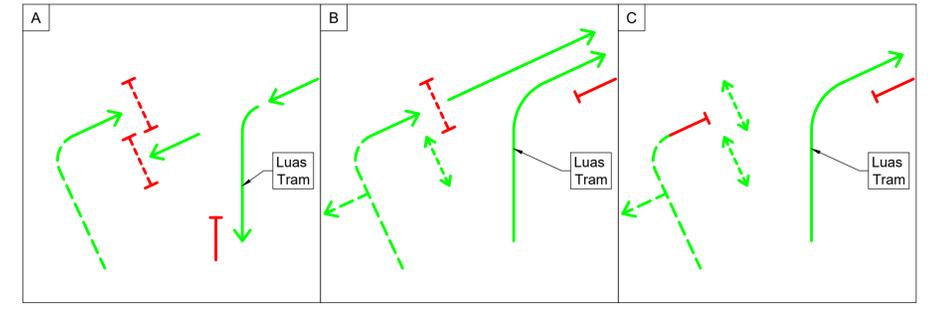


SCALE 1:250 @ A1; 1:500 @ A3

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



Indicative Method of Control



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Rev	Date	Drn	Chk'd	App'd	Description
M01	07/06/2022	PT	KM	JB	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **Jacobs**

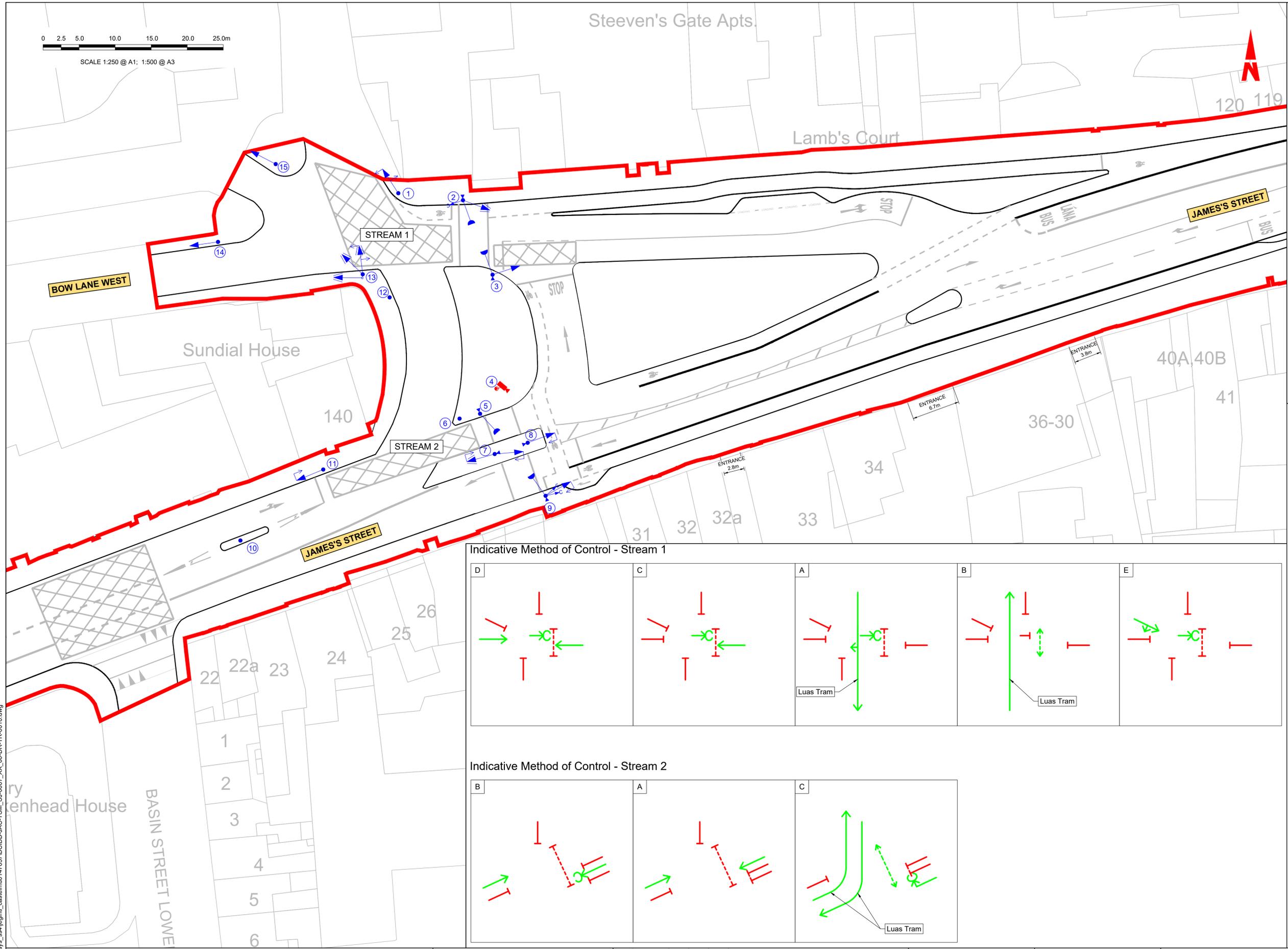
Date: 07/06/2022 | Scale: 1:250 @ A1, 1:500 @ A3 | Drawn: PT | Checked: KM | Approved: JB

Project Code: BCIDB | Originator Code: JAC | QMS Code:

Programme Title: BUSCONNECTS DUBLIN			
CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN JAMES STREET / ST JAMES'S HOSPITAL JUNCTION			
Drawing File Name: BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0021	Sheet Number: 21 of 27	Status: A	Rev: M01

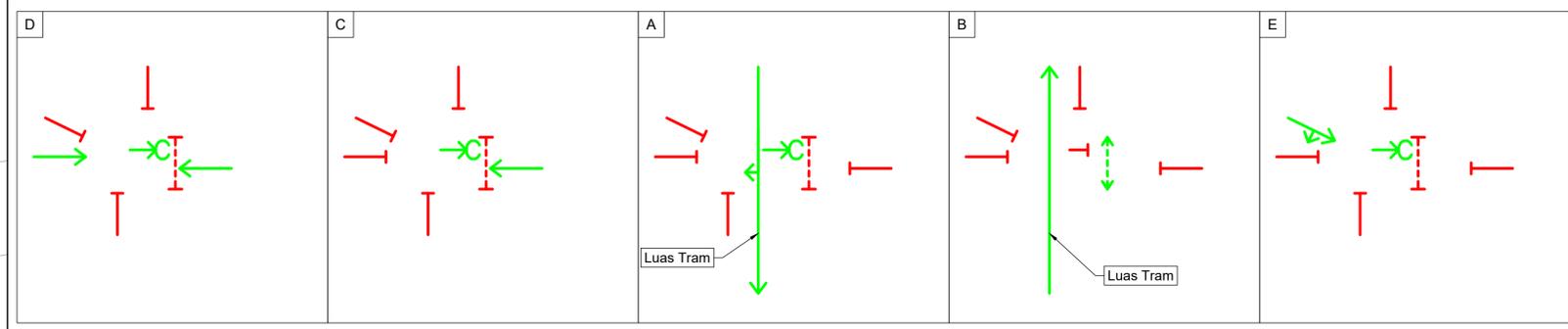
DO NOT SCALE USE FIGURED DIMENSIONS ONLY

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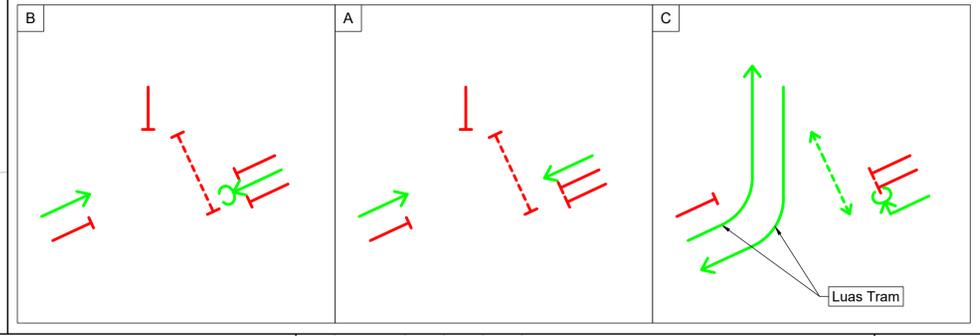


- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
 - RTS 001 PRIMARY
 - RTS 001 SECONDARY
 - RTS 002(B) PRIMARY
 - RTS 002(B) SECONDARY
 - RTS 003(G) PRIMARY
 - RTS 003(G) SECONDARY
 - RTS 007 (LOW LEVEL) PRIMARY
 - RPC 004 PEDESTRIAN HEAD
 - TRAFFIC SIGNAL EQUIPMENT:**
 - POLE (STANDARD HEIGHT)
 - TALL POLE (CCTV/TRAFFIC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

Indicative Method of Control - Stream 1



Indicative Method of Control - Stream 2



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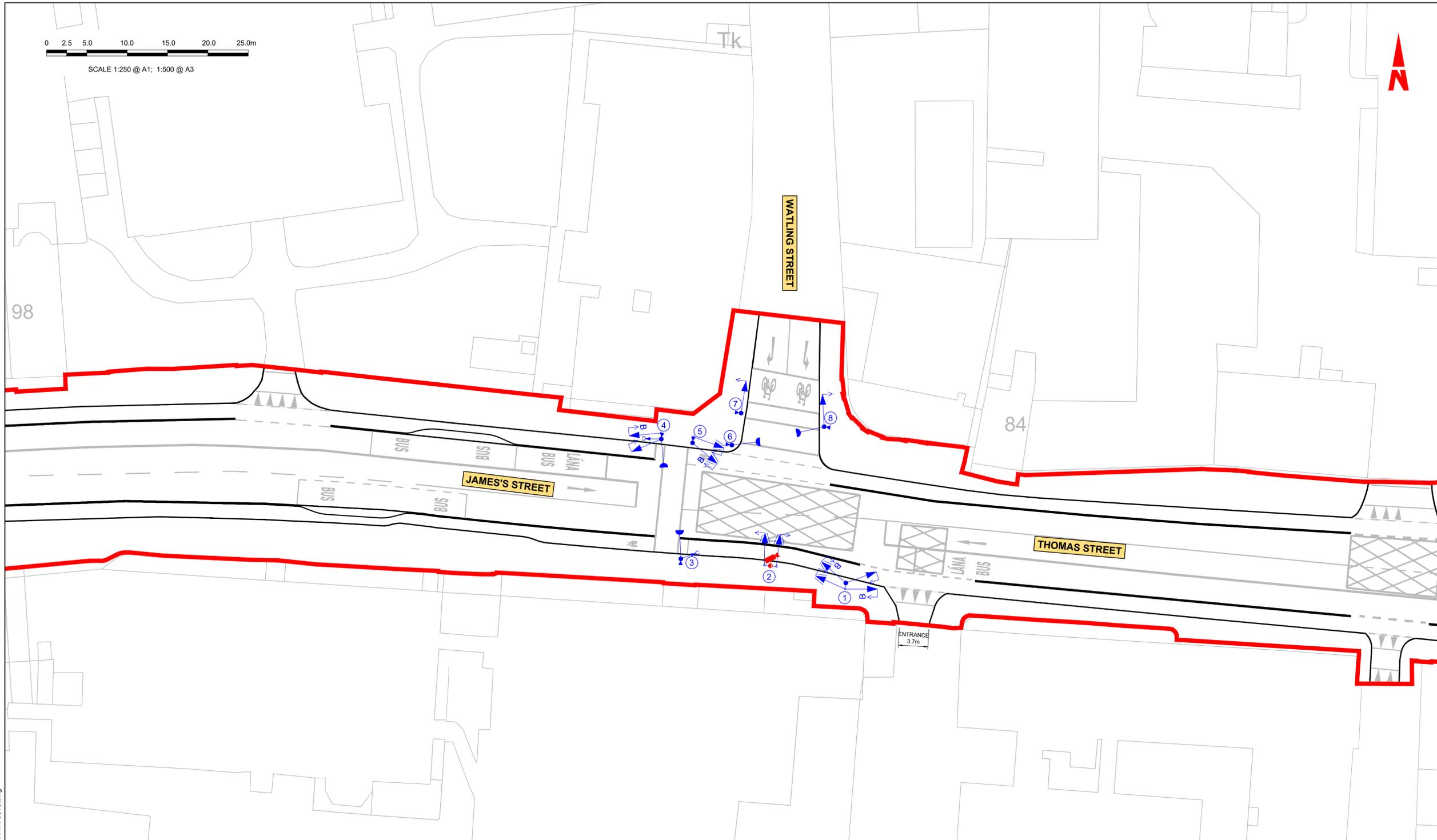
Client: **NTA** Údarás Náisiúnta Iompair National Transport Authority

Engineering Designer: **Jacobs**

Date	Scale	Drawn	Checked	Approved
07/06/2022	1:250 @ A1 1:500 @ A3	PT	KM	JB
Project Code	Originator Code	QMS Code		
BCIDB	JAC			

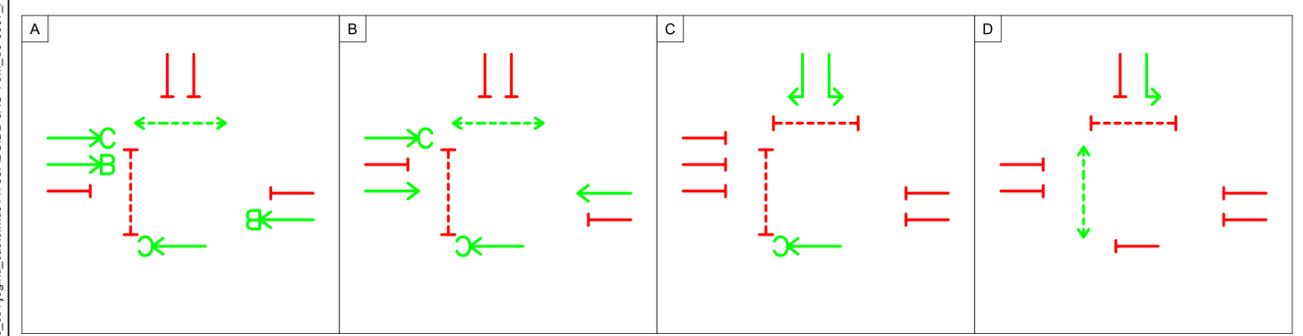
Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN JAMES STREET / BOW LANE WEST JUNCTION			
Drawing File Name BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0022	Sheet Number 22 of 27	Status A	Rev M01

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

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Rev	Date	Drn	Chk'd	App'd	Description
M01	07/06/2022	PT	KM	JB	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **Jacobs**

Date: 07/06/2022 | Scale: 1:250 @ A1, 1:500 @ A3 | Drawn: PT | Checked: KM | Approved: JB

Project Code: BCIDB | Originator Code: JAC | QMS Code:

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

Drawing Title: LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME
JUNCTION SYSTEMS DESIGN
JAMES STREET / THOMAS STREET / WATLING STREET JUNCTION

Drawing File Name: BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0023	Sheet Number: 23 of 27	Status: A	Rev: M01
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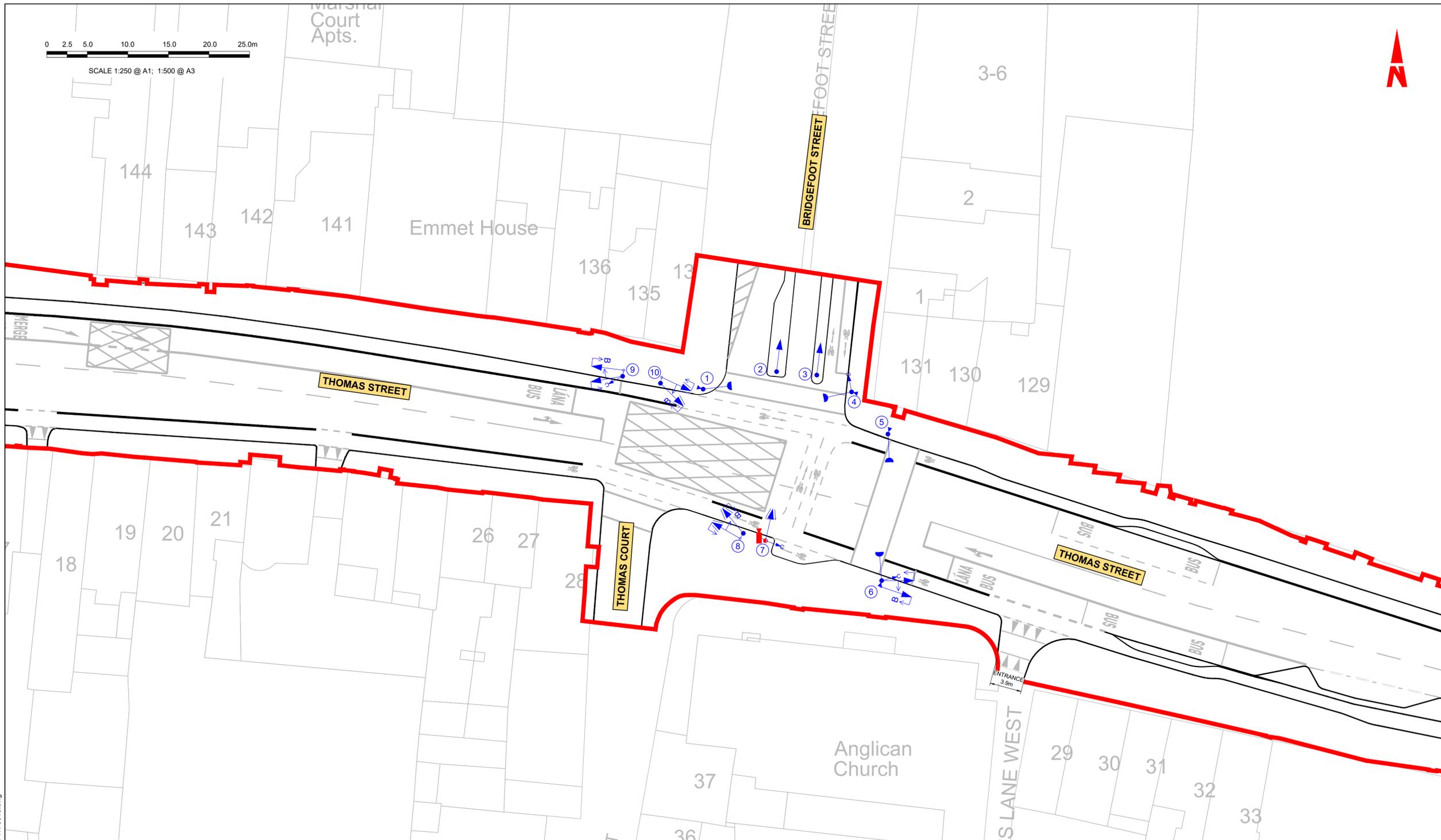


SCALE 1:250 @ A1; 1:500 @ A3

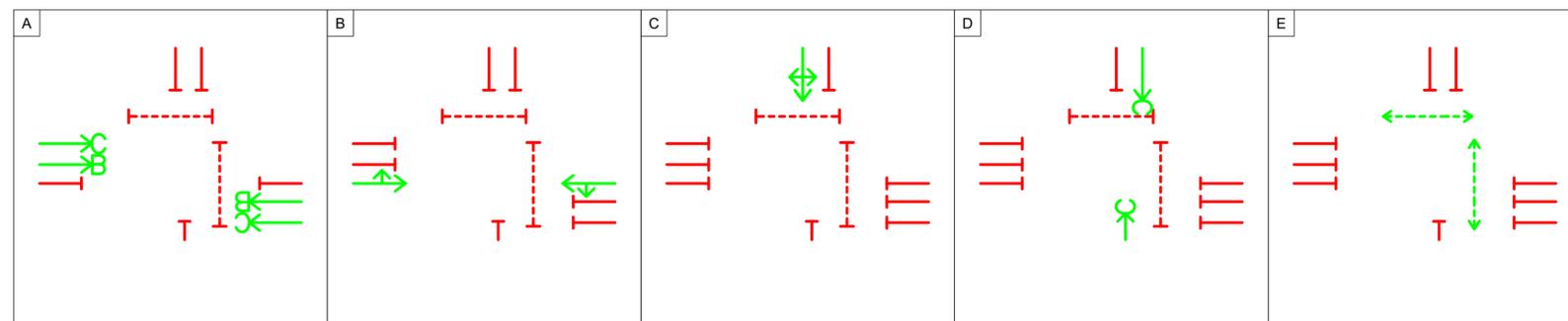


LEGEND:

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



Indicative Method of Control



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Rev	Date	Drn	Chk'd	App'd	Description
M01	07/06/2022	PT	KM	JB	ISSUE FOR PHASE 4: PLANNING

Client

Údarás Náisiúnta Iompair
National Transport Authority

Engineering Designer

Drawn: PT
Checked: KM
Approved: JB

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

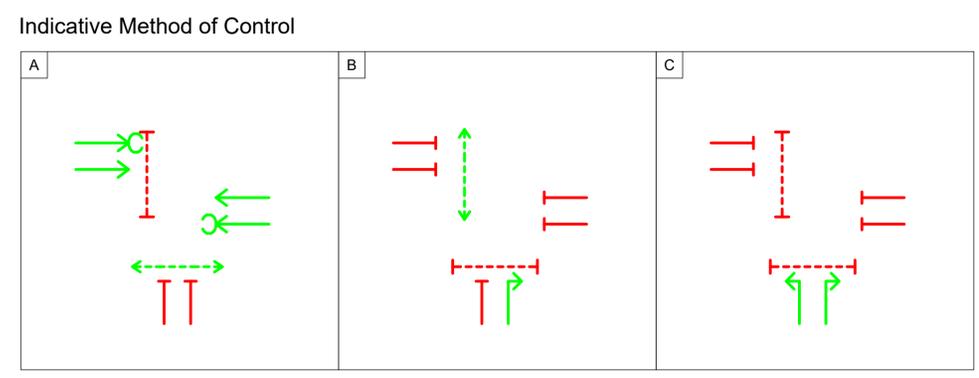
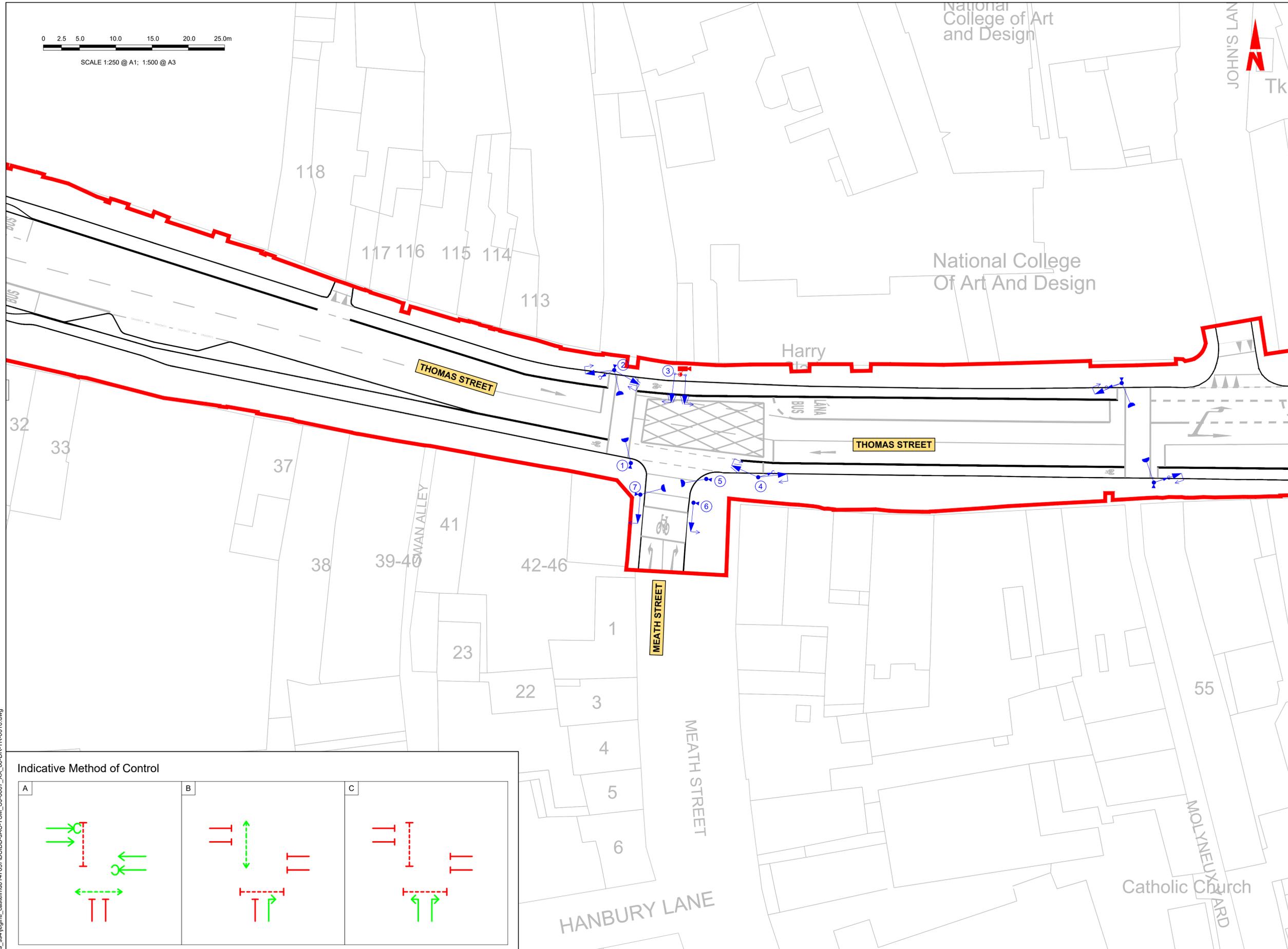
Drawing Title: LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME
JUNCTION SYSTEMS DESIGN
THOMAS STREET / BRIDGEFOOT STREET / THOMAS COURT JUNCTION

Drawing File Name: BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0024
Sheet Number: 24 of 27
Status: A
Rev: M01

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



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Rev	Date	Drn	Chk'd	App'd	Description
M01	07/06/2022	PT	KM	JB	ISSUE FOR PHASE 4: PLANNING

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

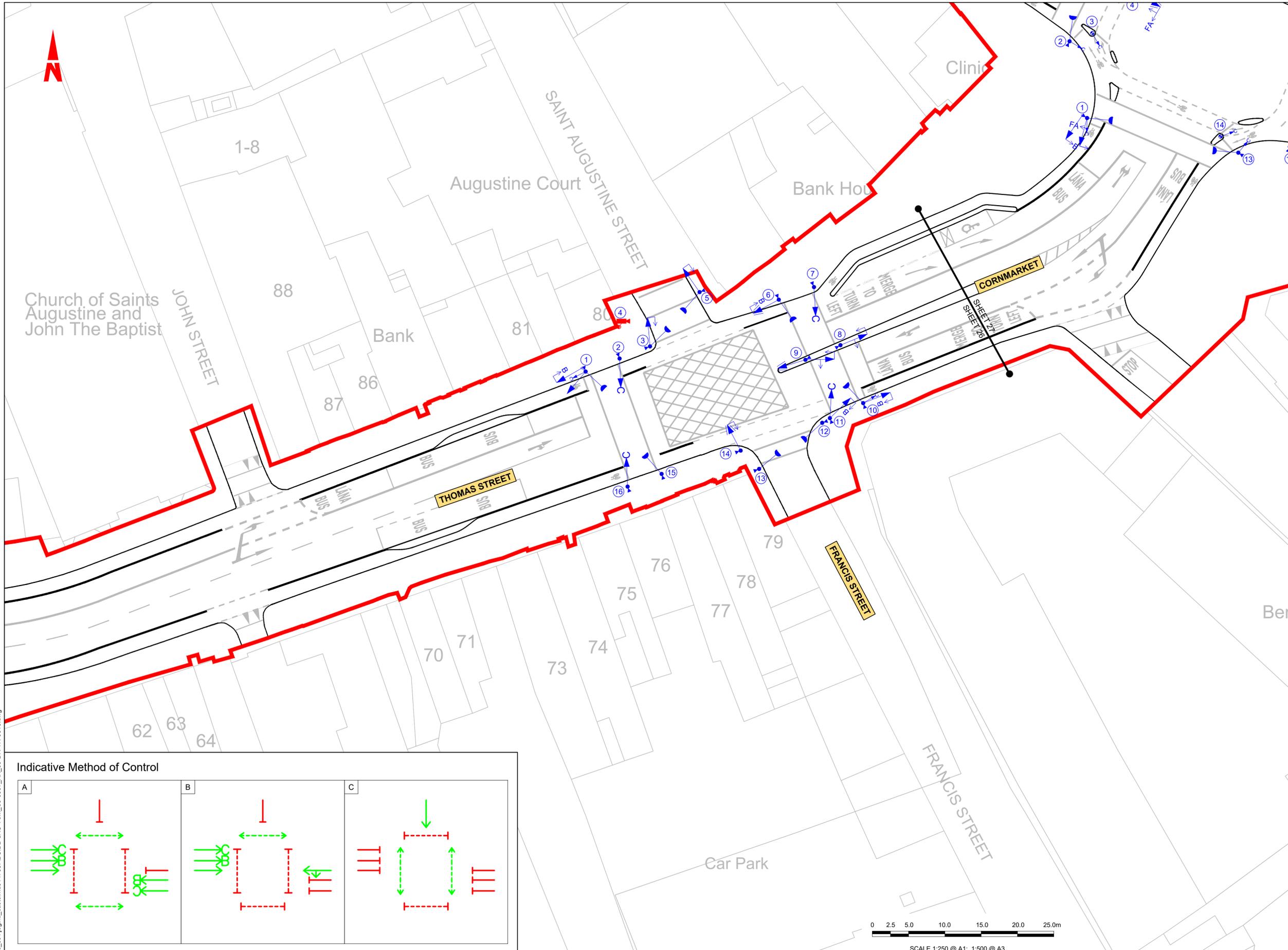
Engineering Designer: **Jacobs**

Date	Scale	Drawn	Checked	Approved
07/06/2022	1:250 @ A1 1:500 @ A3	PT	KM	JB
Project Code	Originator Code	QMS Code		
BCIDB	JAC			

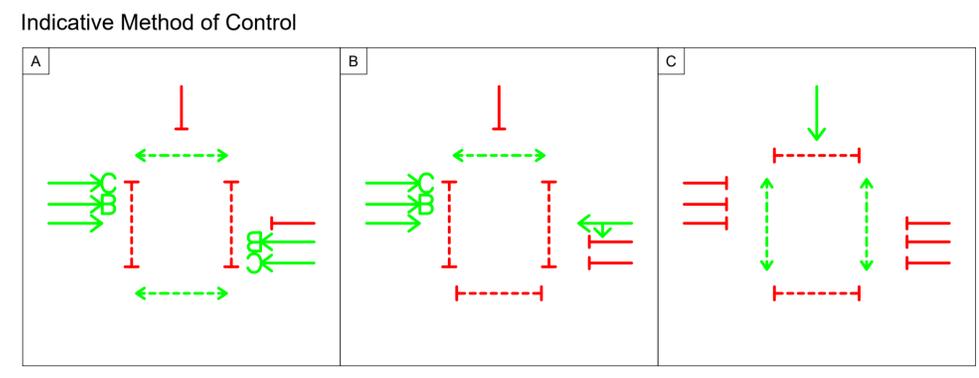
Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN THOMAS STREET / MEATH STREET JUNCTION			
Drawing File Name BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0025	Sheet Number 25 of 27	Status A	Rev 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(E) PRIMARY
 - RTS 002(E) SECONDARY
 - RTS 003(H) PRIMARY
 - RTS 003(H) SECONDARY
 - RTS 007 (LOW LEVEL) PRIMARY
 - RPC 004 PEDESTRIAN HEAD
- TRAFFIC SIGNAL EQUIPMENT:**
- POLE (STANDARD HEIGHT)
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
 - SMALL POLE
 - POLE NUMBER
 - PUSH BUTTON UNIT
 - PAN / TILT / ZOOM CCTV CAMERA
- GENERAL:**
- SITE BOUNDARY LINE
 - TEMPORARY LAND ACQUISITION



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M01	07/06/2022	PT	KM	JB	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **Jacobs**

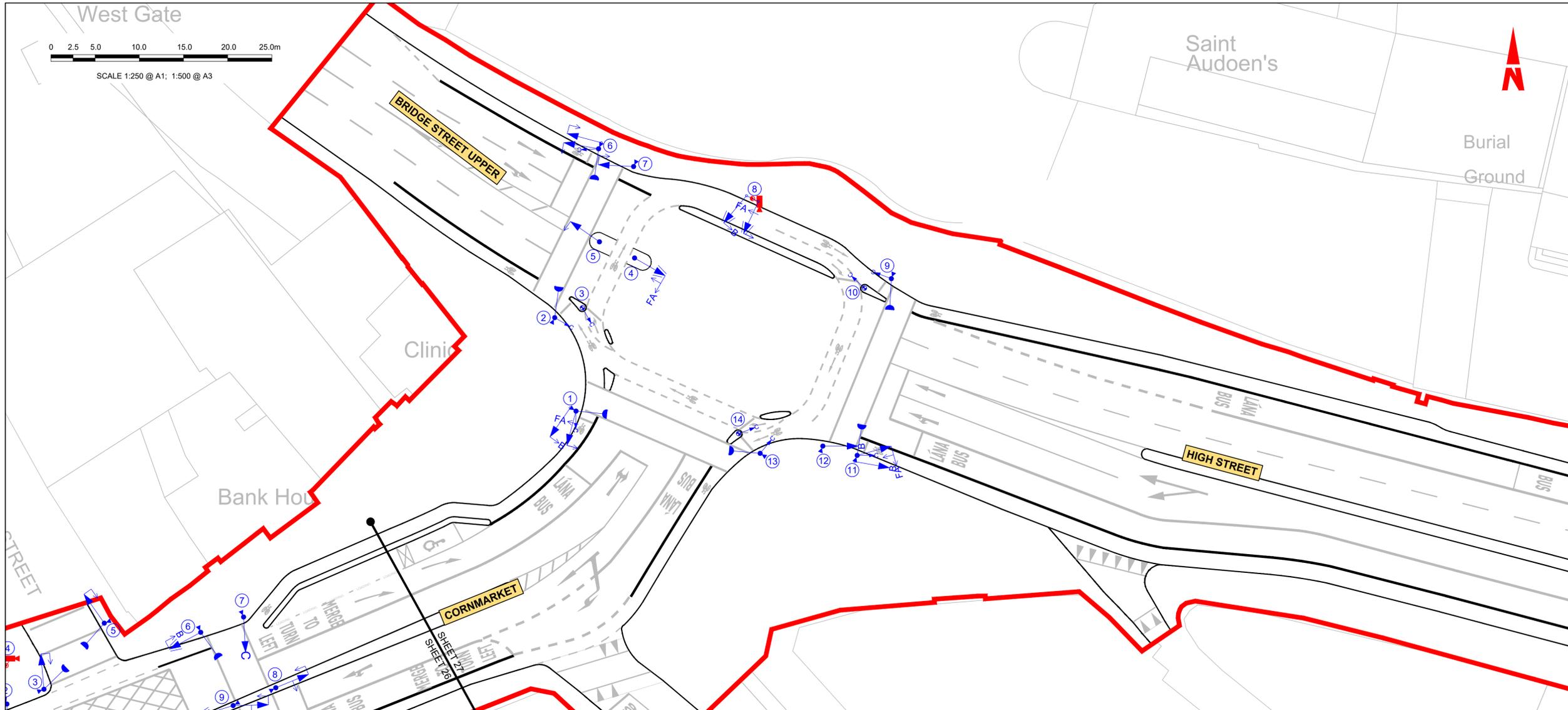
Date: 07/06/2022 Scale: 1:250 @ A1, 1:500 @ A3 Drawn: PT Checked: KM Approved: JB

Project Code: BCIDB Originator Code: JAC QMS Code:

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN THOMAS ST. / CORNMARKET / ST AUGUSTINE ST. / FRANCIS ST. JUNCTION			
Drawing File Name: BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0026	Sheet Number: 26 of 27	Status: A	Rev: M01

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LEGEND:

TRAFFIC SIGNAL HEADS:

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

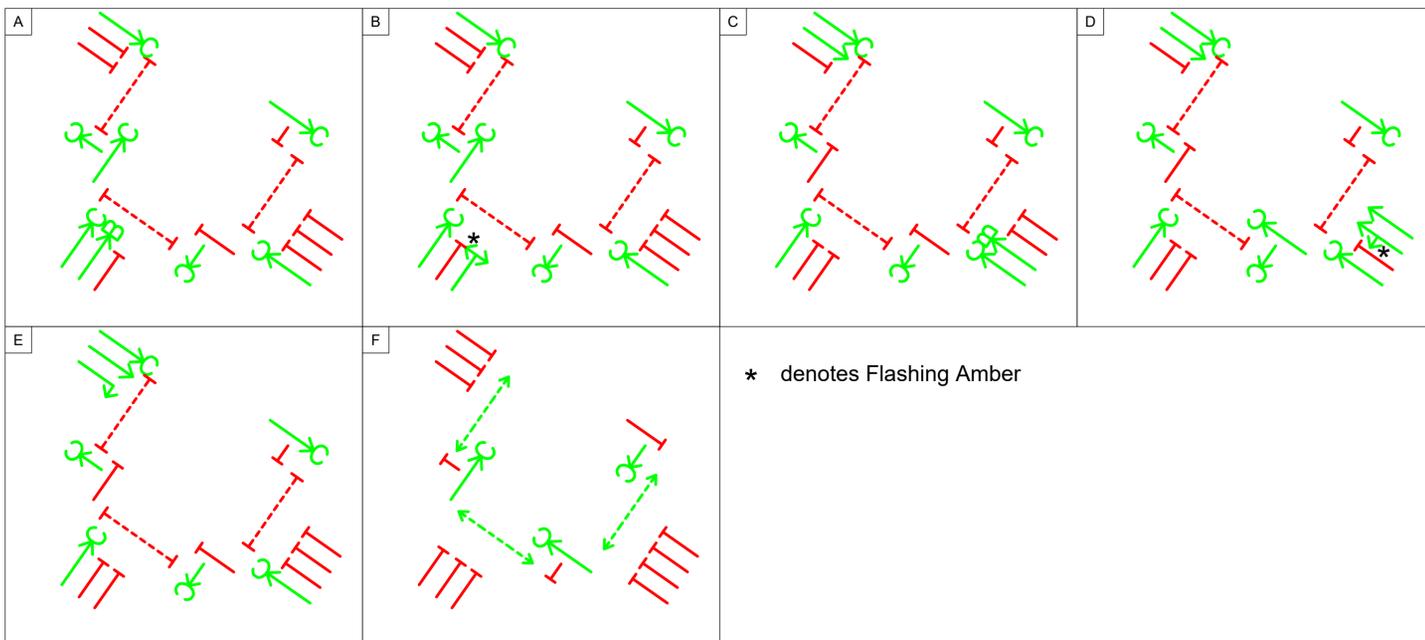
TRAFFIC SIGNAL EQUIPMENT:

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

GENERAL:

- SITE BOUNDARY LINE
- TEMPORARY LAND ACQUISITION

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

Engineering Designer: **Jacobs**

Date: 07/06/2022 Scale: 1:250 @ A1, 1:500 @ A3
Drawn: PT, Checked: KM, Approved: JB

Project Code: BCIDB, Originator Code: JAC, QMS Code:

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

Drawing Title: LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEMS DESIGN CORNMARKE / HIGH STREET / BRIDGE STREET UPPER JUNCTION

Drawing File Name: BCIDB-JAC-TSM_SJ-0007_XX_00-DR-TR-0027	Sheet Number: 27 of 27	Status: A	Rev: M01
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