



Appendix B10
Junction Systems Design



BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS

RINGSEND TO CITY CENTRE CORE BUS CORRIDOR SCHEME

DRAWING SERIES NUMBER(S)	DRAWING SERIES DESCRIPTION
BCIDD-ROT-TSM_IX-0016_XX_00-DR-TR-0001	RINGSEND TO CITY CENTRE CORE BUS CORRIDOR SCHEME. JUNCTION SYSTEM DESIGN. COVER SHEET
BCIDD-ROT-TSM_KP-0016_XX_00-DR-TR-0001	RINGSEND TO CITY CENTRE CORE BUS CORRIDOR SCHEME. JUNCTION SYSTEM DESIGN. KEY PLAN
BCIDD-ROT-TSM_SJ-0016_XX_00-DR-TR-0001 to 0020	RINGSEND TO CITY CENTRE CORE BUS CORRIDOR SCHEME. JUNCTION SYSTEM DESIGN. DRAWINGS.

\\rodubp1u20191917117117-02_WIP08 MODELS01 CAD01 DWG03 STG 3 - STATUTORY PROCESS (M)01 PLANNING16 RINGSEND\Cover_Sheets\BCIDD-ROT-TSM_IX-0016_XX_00-DR-TR-0001.dwg

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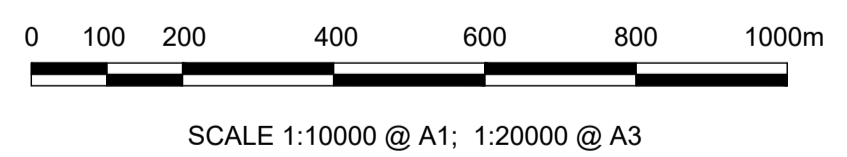
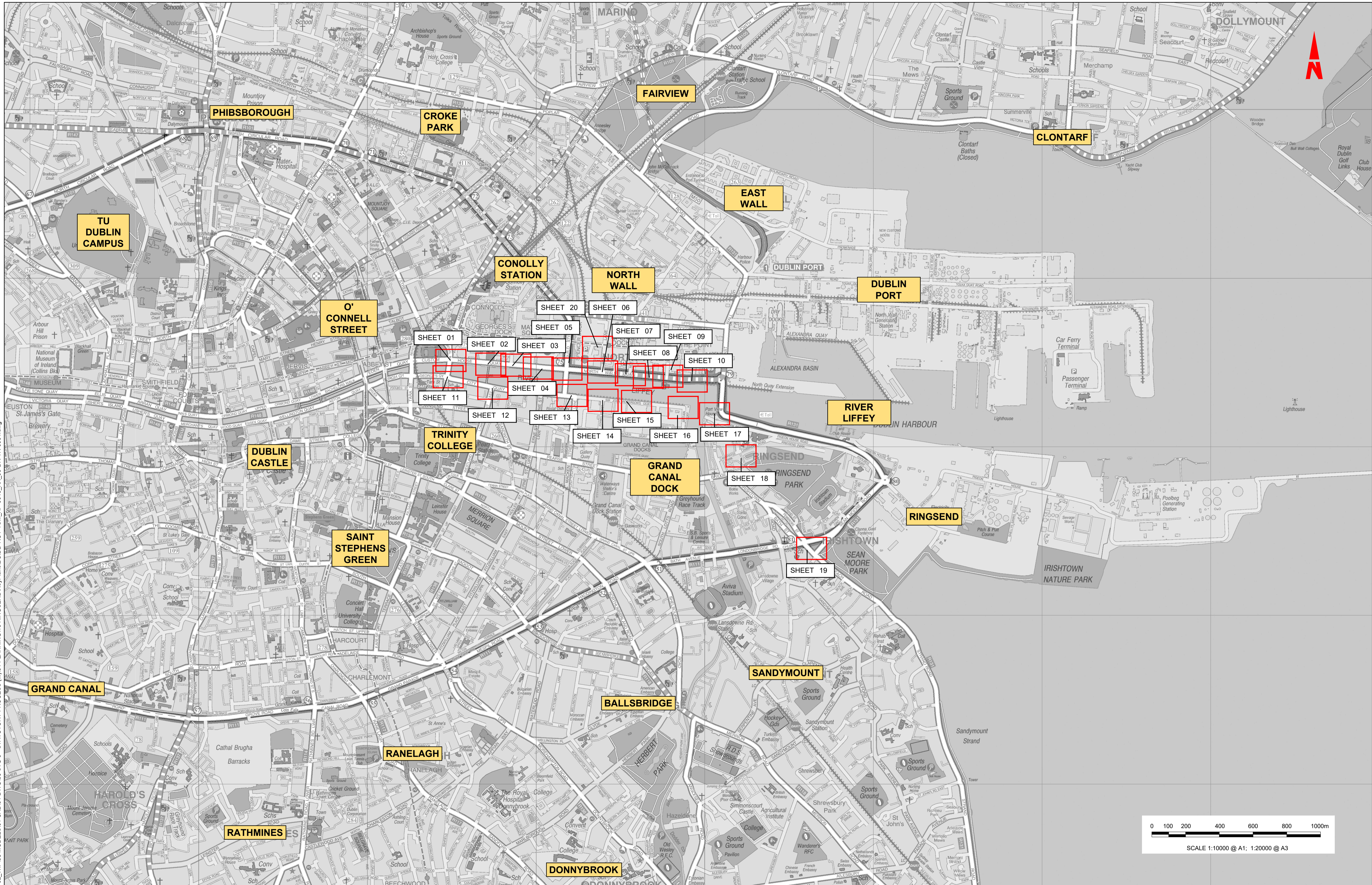


Rev	Date	Dwn	Chk'd	App'd	Description
M01	MAR 2023	CG	EOC	SMG	ISSUE FOR PHASE 4: PLANNING

Client NTA Údarás Náisiúnta Iompair National Transport Authority		Engineering Designer ROD TYP SA ROUGHAN & O'DONOVAN		
Date MAR 2023	Scale NTS @ A1 NTS @ A3	Drawn CG	Checked EOC	Approved SMG
Programme Code BCIDD	Originator Code ROT	QMS Code		

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title RINGSEND TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEM DESIGN COVER SHEET			
Drawing File Name BCIDD-ROT-TSM_IX-0016_XX_00-DR-TR-0001	Sheet Number 01 of 01	Status A	Rev M01

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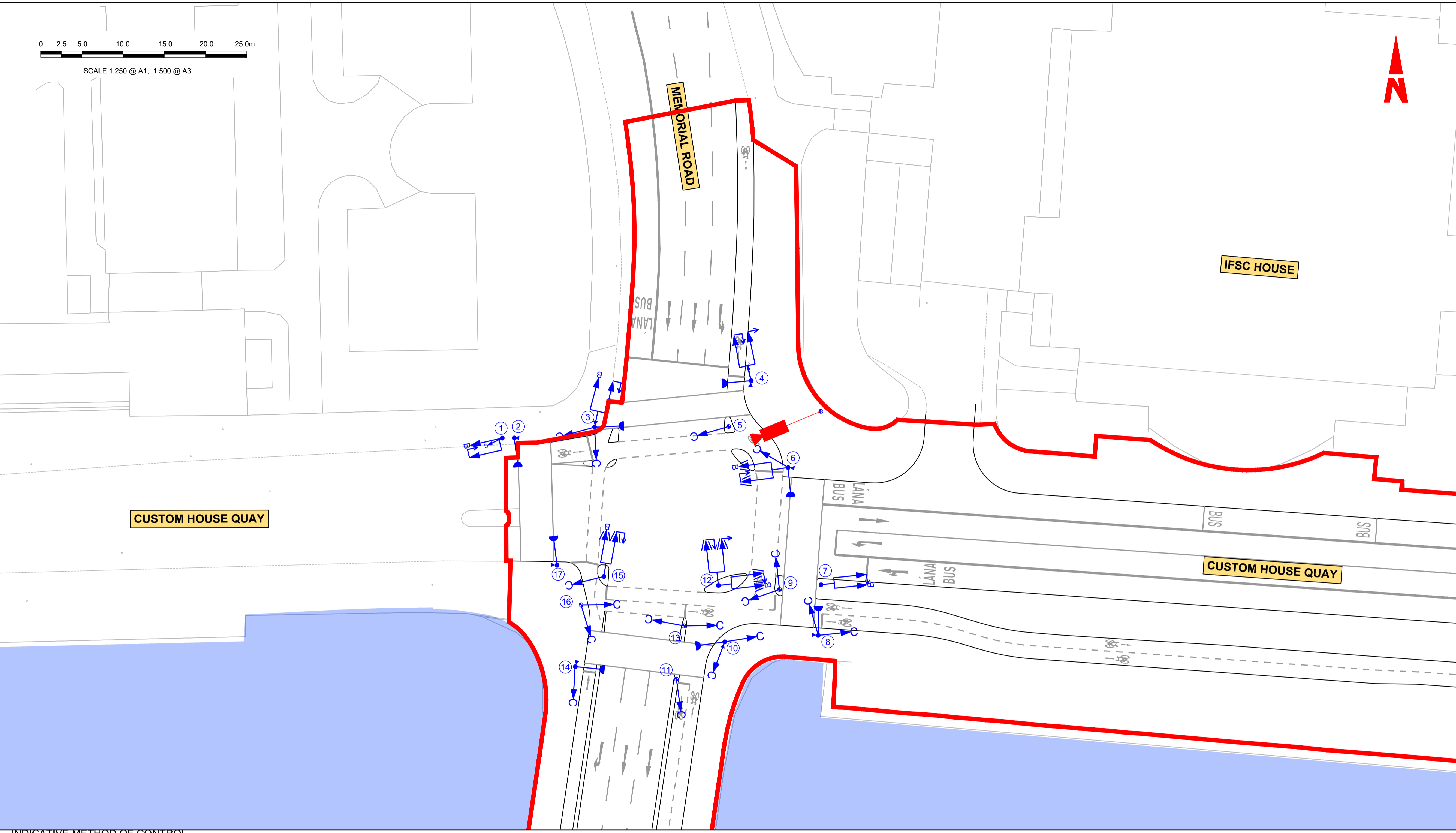
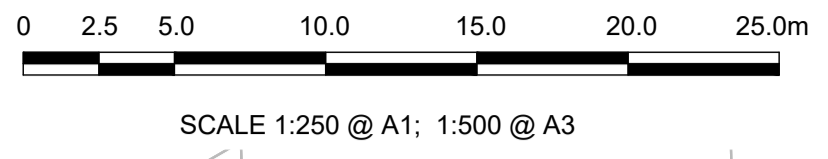
Project Ireland 2040
 Building Ireland's Future

Rev	Date	Drn	Chk'd	App'd	Description
M01	MAR 2023	DS	EOC	SMG	ISSUE FOR PHASE 4: PLANNING

Client		Engineering Designer		Programme Title	
NTA Udárás Náisiúnta Iompair National Transport Authority		CIROD TYPSA		BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS	
Date	Scale	Drawn	Checked	Approved	
MAR 2023	1:10,000 @ A1 1:20,000 @ A3	DS	EOC	SMG	
Programme Code	Originator Code	QMS Code		Drawing File Name	Sheet Number
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				Status	Rev
				A	M01

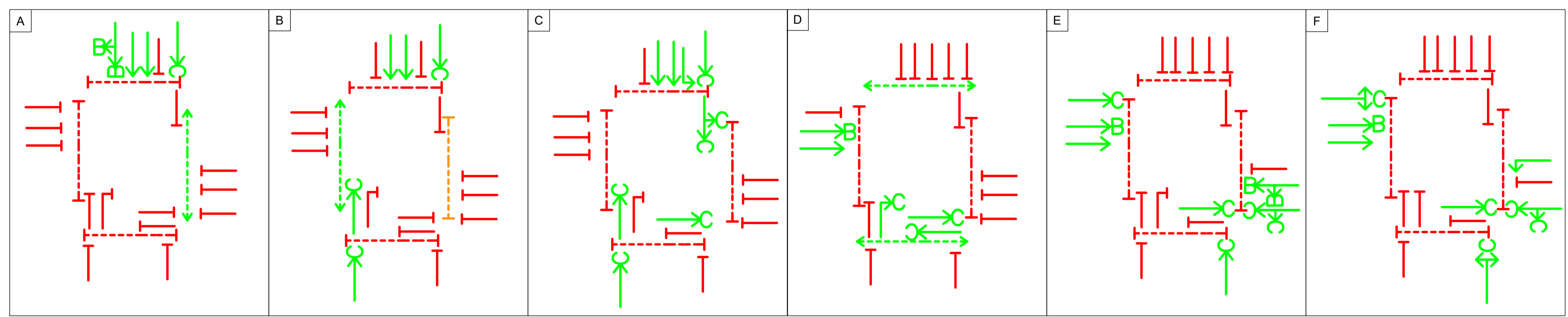
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Drawing Title
 RINGSSEND TO CITY CENTRE CORE BUS CORRIDOR SCHEME
 JUNCTION SYSTEM DESIGN
 KEYPLAN



- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 001 PRIMARY
 - RTS 001 SECONDARY
 - RTS 002 PRIMARY
 - RTS 002 SECONDARY
 - RTS 003 (RUS 012) PRIMARY
 - RTS 003 (RUS 012) SECONDARY
 - RTS 007 (LOW LEVEL)
 - RTS 007 (HIGH LEVEL)
 - RPC 004 PEDESTRIAN HEAD
 - RTC 002(A) PRIMARY
 - RTC 002(A) SECONDARY
 - RTS 003(J) PRIMARY
 - RTS 003(J) SECONDARY
- TRAFFIC SIGNAL EQUIPMENT:**
- POLE (STANDARD HEIGHT)
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
 - POLE NUMBER
 - PUSH BUTTON UNIT
 - PAN / TILT / ZOOM CCTV CAMERA
 - TRAFFIC SIGN MAST ARM (LENGTH VARIES)
- GENERAL:**
- SITE BOUNDARY LINE
 - TEMPORARY LAND ACQUISITION

INDICATIVE METHOD OF CONTROL



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M01	MAR 2023	CG	EOC	SMG	ISSUED FOR PHASE 4: PLANNING

Date	Scale	Drawn	Checked	Approved
MAR 2023	1:250 @ A1 1:500 @ A3	CG	EOC	SMG
Programme Code	Originator Code	QMS Code		
BCIDD	ROT			

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title RINGSEND TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEM DESIGN CUSTOM HOUSE QUAY / MEMORIAL BRIDGE				
Drawing File Name	Sheet Number	Status	Rev	
BCIDD-ROT-TSM_SJ-0016_XX_00-DR-TR-0001	01 of 20	A	M01	

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

GEORGE'S DOCK

CHQ

JURY'S INN HOTEL

SEAN O'CASEY BRIDGE

RIVER LIFFEY



- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
 - RTS 001 PRIMARY
 - RTS 001 SECONDARY
 - RTS 002 PRIMARY
 - RTS 002 SECONDARY
 - RTS 003 (RUS 012) PRIMARY
 - RTS 003 (RUS 012) SECONDARY
 - RTS 007 (LOW LEVEL)
 - RTS 007 (HIGH LEVEL)
 - RPC 004 PEDESTRIAN HEAD
 - RTC 002(A) PRIMARY
 - RTC 002(A) SECONDARY
 - RTS 003(J) PRIMARY
 - RTS 003(J) SECONDARY
 - TRAFFIC SIGNAL EQUIPMENT:**
 - POLE (STANDARD HEIGHT)
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
 - POLE NUMBER
 - PUSH BUTTON UNIT
 - PAN / TILT / ZOOM CCTV CAMERA
 - TRAFFIC SIGN MAST ARM (LENGTH VARIES)
 - GENERAL:**
 - SITE BOUNDARY LINE
 - TEMPORARY LAND ACQUISITION

J:\2019\1917117-02_WIP\08 MODELS\01 CAD\01 DWG\03 STG 3 - STATUTORY PROCESS (M)\01 PLANNING\16 RINGSEND\BCIDD-ROT-TSM_SJ-0016_XX_00-DR-TR-0001.dwg

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Rev	Date	Drn	Chk'd	App'd	Description
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Client
NTA
 Údarás Náisiúnta Iompair
 National Transport Authority

Engineering Designer
CIROD
 TYPSA

Date	Scale	Drawn	Checked	Approved
MAR 2023	1:250 @ A1 1:500 @ A3	CG	EOC	SMG

Programme Code: BCIDD
 Originator Code: ROT
 QMS Code:

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title RINGSEND TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEM DESIGN CHQ PEDESTRIAN CROSSING			
Drawing File Name BCIDD-ROT-TSM_SJ-0016_XX_00-DR-TR-0002	Sheet Number 02 of 20	Status A	Rev M01

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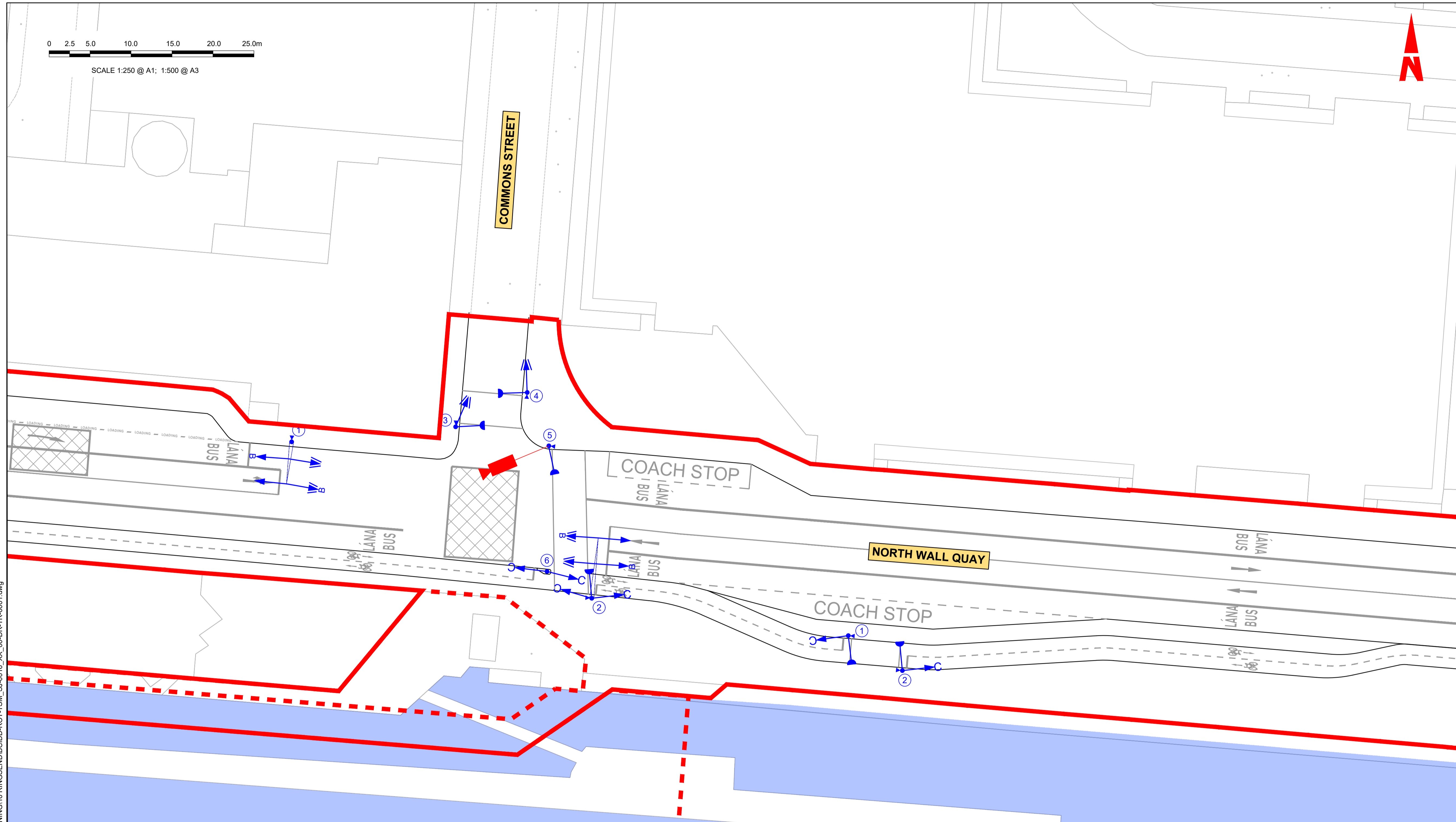
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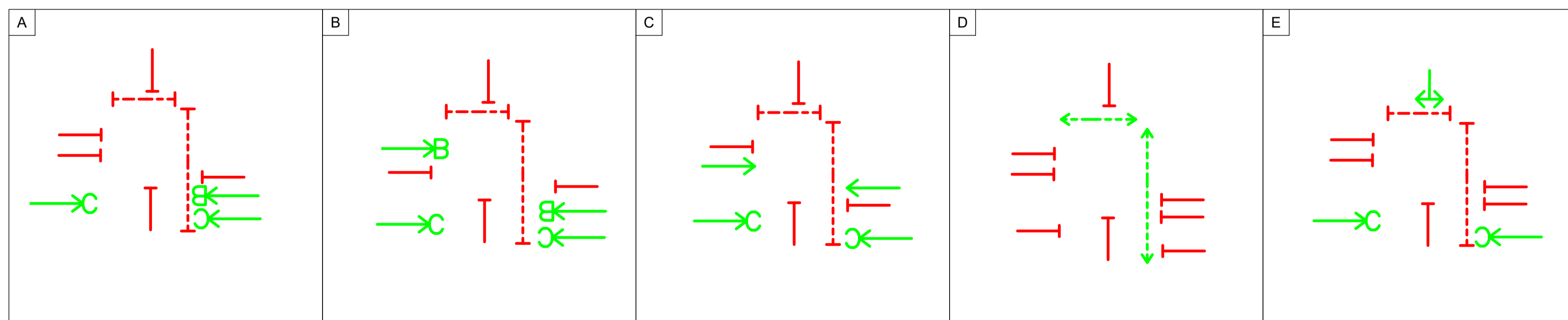


LEGEND:

- TRAFFIC SIGNAL HEADS:**
- RTS 001 PRIMARY
 - RTS 001 SECONDARY
 - RTS 002 PRIMARY
 - RTS 002 SECONDARY
 - RTS 003 (RUS 012) PRIMARY
 - RTS 003 (RUS 012) SECONDARY
 - RTS 007 (LOW LEVEL)
 - RTS 007 (HIGH LEVEL)
 - RPC 004 PEDESTRIAN HEAD
 - RTC 002(A) PRIMARY
 - RTC 002(A) SECONDARY
 - RTS 003(J) PRIMARY
 - RTS 003(J) SECONDARY
- TRAFFIC SIGNAL EQUIPMENT:**
- POLE (STANDARD HEIGHT)
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
 - POLE NUMBER
 - PUSH BUTTON UNIT
 - PAN / TILT / ZOOM CCTV CAMERA
 - TRAFFIC SIGN MAST ARM (LENGTH VARIES)
- GENERAL:**
- SITE BOUNDARY LINE
 - TEMPORARY LAND ACQUISITION



INDICATIVE METHOD OF CONTROL



J:\2019\1917117-02_WIPO8 MODELS\01 CAD\01 DWG\03 STG 3 - STATUTORY PROCESS (M)\01 PLANNING\16 RINGSEND\BCIDD-ROT-TSM_SJ-0016_XX_00-DR-TR-0001.dwg

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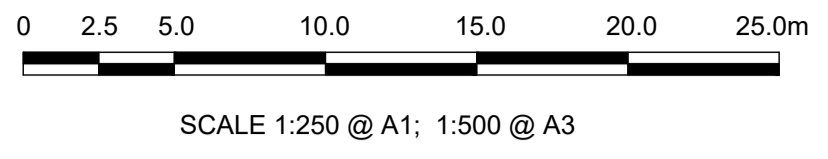


Rev	Date	Dwn	Chk'd	App'd	Description
M01	MAR 2023	CG	EOC	SMG	ISSUED FOR PHASE 4: PLANNING

		Engineering Designer 		
Date	Scale	Drawn	Checked	Approved
MAR 2023	1:250 @ A1 1:500 @ A3	CG	EOC	SMG
Programme Code	Originator Code	QMS Code		
BCIDD	ROT			

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title RINGSEND TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEM DESIGN COMMONS STREET / CUSTOM HOUSE QUAY			
Drawing File Name	Sheet Number	Status	Rev
BCIDD-ROT-TSM_SJ-0016_XX_00-DR-TR-0003	03 of 20	A	M01

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EXCISE WALK

NORTH WALL QUAY

RIVER LIFFEY

- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 001 PRIMARY
 - RTS 001 SECONDARY
 - RTS 002 PRIMARY
 - RTS 002 SECONDARY
 - RTS 003 (RUS 012) PRIMARY
 - RTS 003 (RUS 012) SECONDARY
 - RTS 007 (LOW LEVEL)
 - RTS 007 (HIGH LEVEL)
 - RPC 004 PEDESTRIAN HEAD
 - RTC 002(A) PRIMARY
 - RTC 002(A) SECONDARY
 - RTS 003(J) PRIMARY
 - RTS 003(J) SECONDARY
- TRAFFIC SIGNAL EQUIPMENT:**
- POLE (STANDARD HEIGHT)
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
 - POLE NUMBER
 - PUSH BUTTON UNIT
 - PAN / TILT / ZOOM CCTV CAMERA
 - TRAFFIC SIGN MAST ARM (LENGTH VARIES)
- GENERAL:**
- SITE BOUNDARY LINE
 - TEMPORARY LAND ACQUISITION

J:\2019\191717-02_WIP\08 MODELS\01 CAD\01 DWG\03 STG 3 - STATUTORY PROCESS (M)\01 PLANNING\16 RINGSEND\BCIDD-ROT-TSM_SJ-0016_XX_00-DR-TR-0001.dwg

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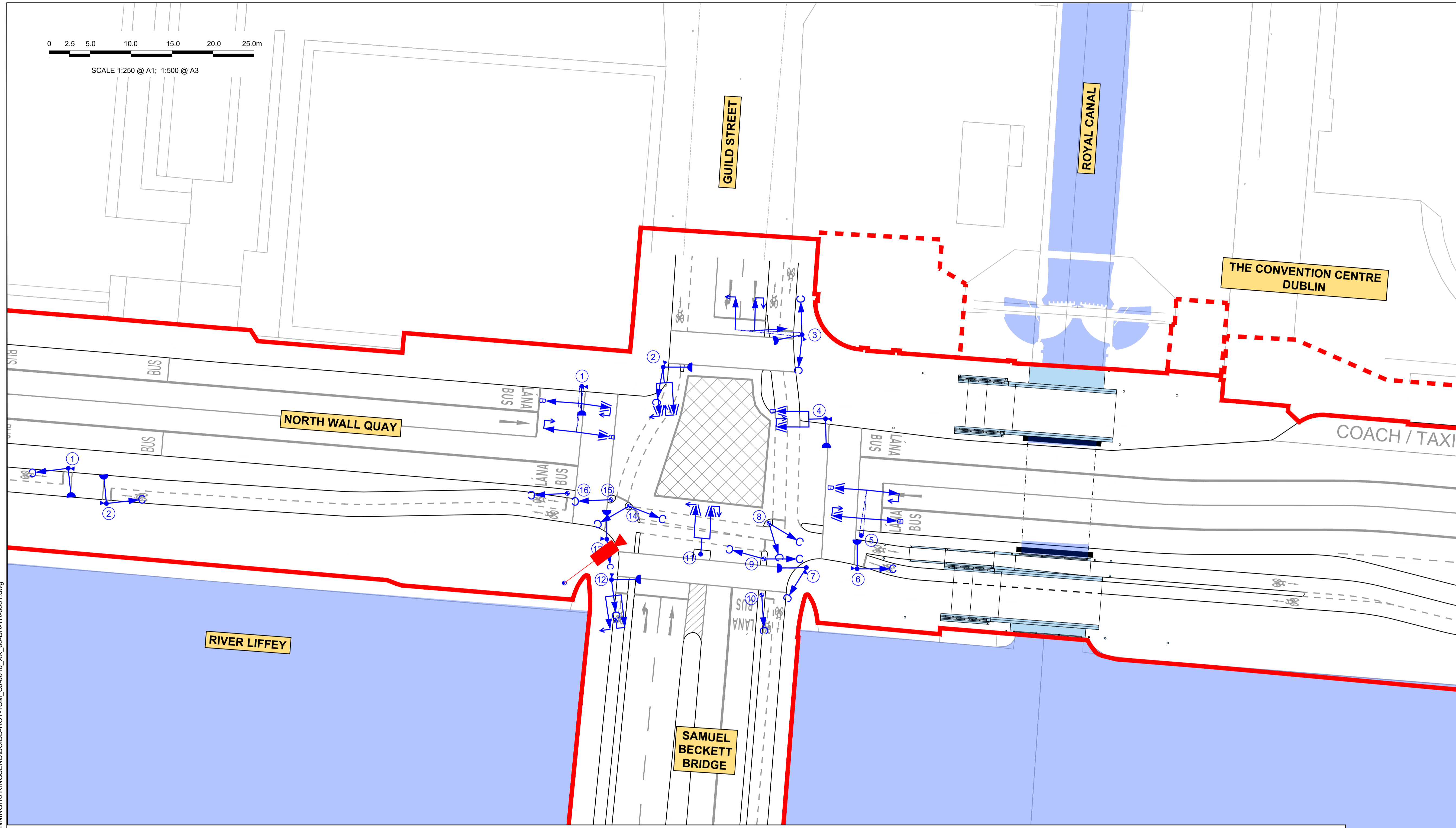
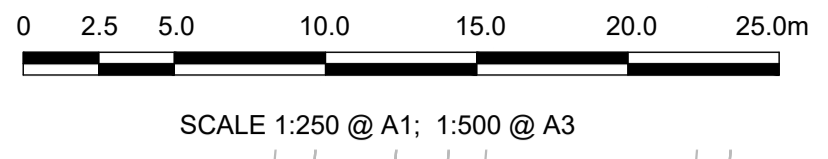
Project Ireland 2040
 Building Ireland's Future

Rev	Date	Drn	Chk'd	App'd	Description
M01	MAR 2023	CG	EOC	SMG	ISSUED FOR PHASE 4: PLANNING

Client		Engineering Designer		Programme Title	
 Údarás Náisiúnta Iompair National Transport Authority		 TYPSA		BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS	
Date	Scale	Drawn	Checked	Approved	Drawing Title
MAR 2023	1:250 @ A1 1:500 @ A3	CG	EOC	SMG	RINGSEND TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEM DESIGN EXCISE WALK TOUCAN CROSSING
Programme Code	Originator Code	QMS Code		Drawing File Name	Sheet Number
BCIDD	ROT			BCIDD-ROT-TSM_SJ-0016_XX_00-DR-TR-0004	04 of 20
				Status	Rev
				A	M01

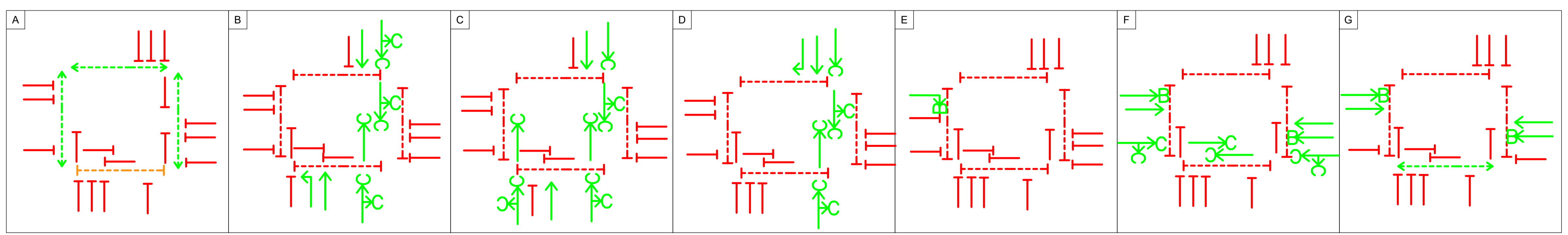
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 Údarás Náisiúnta Iompair National Transport Authority						 TYPSA			BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS		
Date	Scale	Drawn	Checked	Approved	Drawing Title						
MAR 2023	1:250 @ A1 1:500 @ A3	CG	EOC	SMG	RINGSEND TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEM DESIGN EXCISE WALK TOUCAN CROSSING						
Programme Code	Originator Code	QMS Code		Drawing File Name	Sheet Number	Status	Rev				
BCIDD	ROT			BCIDD-ROT-TSM_SJ-0016_XX_00-DR-TR-0004	04 of 20	A	M01				

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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 001 PRIMARY
 - RTS 001 SECONDARY
 - RTS 002 PRIMARY
 - RTS 002 SECONDARY
 - RTS 003 (RUS 012) PRIMARY
 - RTS 003 (RUS 012) SECONDARY
 - RTS 007 (LOW LEVEL)
 - RTS 007 (HIGH LEVEL)
 - RPC 004 PEDESTRIAN HEAD
 - RTC 002(A) PRIMARY
 - RTC 002(A) SECONDARY
 - RTS 003(J) PRIMARY
 - RTS 003(J) SECONDARY
- TRAFFIC SIGNAL EQUIPMENT:**
- POLE (STANDARD HEIGHT)
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
 - POLE NUMBER
 - PUSH BUTTON UNIT
 - PAN / TILT / ZOOM CCTV CAMERA
 - TRAFFIC SIGN MAST ARM (LENGTH VARIES)
- GENERAL:**
- SITE BOUNDARY LINE
 - TEMPORARY LAND ACQUISITION

INDICATIVE METHOD OF CONTROL



J:\2019\1911717-02_WIPO8 MODELS\01 CAD\01 DWG\03 STG 3 - STATUTORY PROCESS (M)\01 PLANNING\16 RINGSEND\BCIDD-ROT-TSM_SJ-0016_XX_00-DR-TR-0001.dwg

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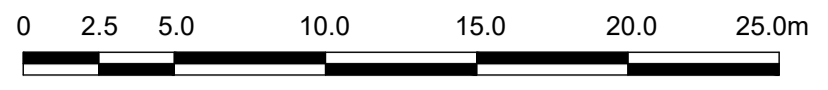


Rev	Date	Drn	Chk'd	App'd	Description
M01	MAR 2023	CG	EOC	SMG	ISSUED FOR PHASE 4: PLANNING

Date	Scale	Drawn	Checked	Approved
MAR 2023	1:250 @ A1 1:500 @ A3	CG	EOC	SMG
Programme Code	Originator Code	QMS Code		
BCIDD	ROT			

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title RINGSEND TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEM DESIGN GUILD STREET / NORTH WALL QUAY				
Drawing File Name	Sheet Number	Status	Rev	
BCIDD-ROT-TSM_SJ-0016_XX_00-DR-TR-0005	05 of 20	A	M01	

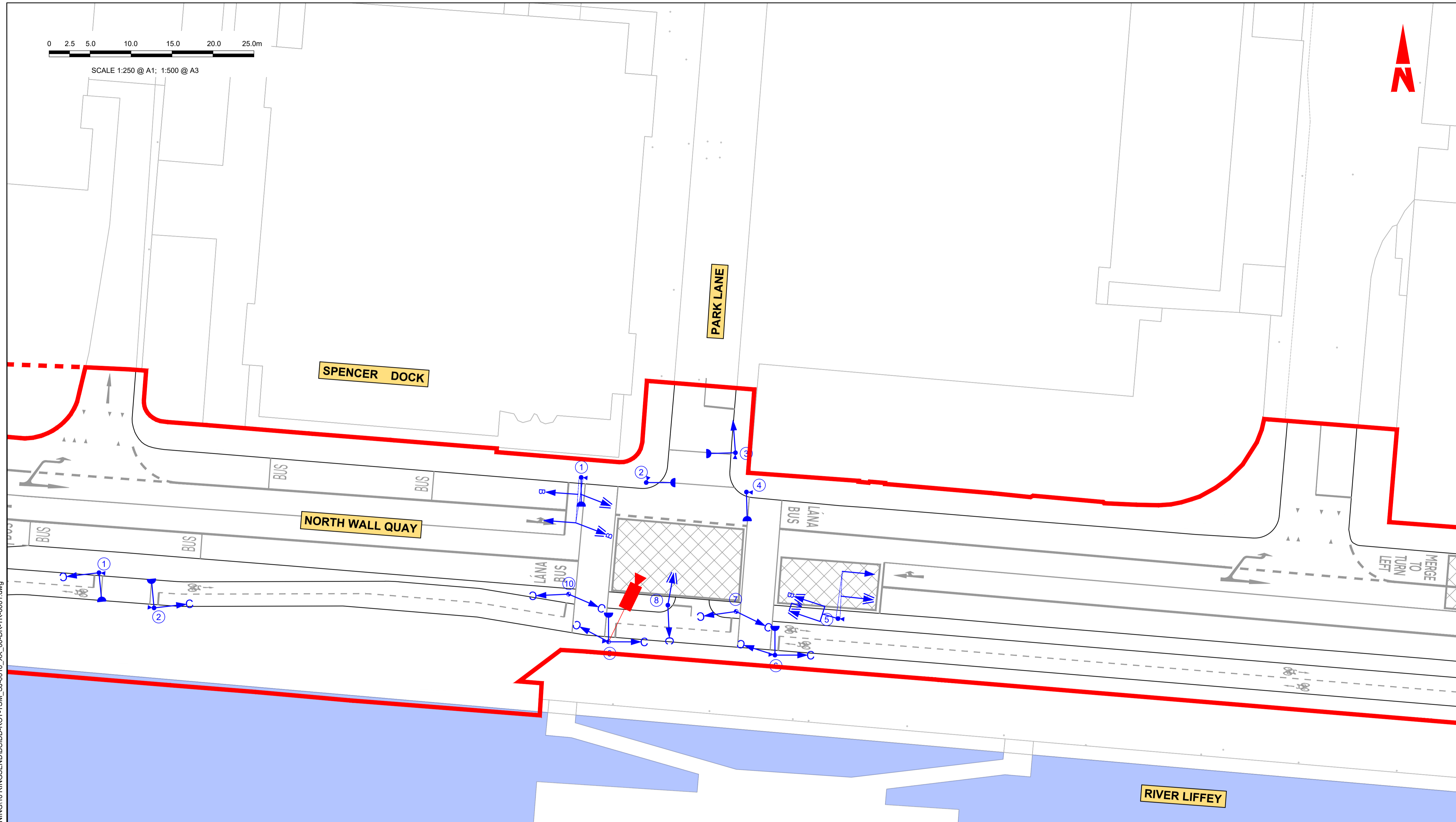
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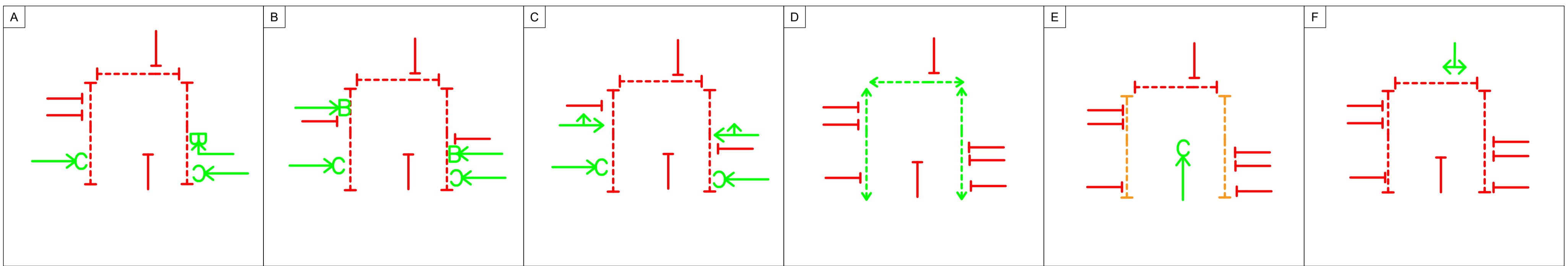
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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 001 PRIMARY
 - RTS 001 SECONDARY
 - RTS 002 PRIMARY
 - RTS 002 SECONDARY
 - RTS 003 (RUS 012) PRIMARY
 - RTS 003 (RUS 012) SECONDARY
 - RTS 007 (LOW LEVEL)
 - RTS 007 (HIGH LEVEL)
 - RPC 004 PEDESTRIAN HEAD
 - RTC 002(A) PRIMARY
 - RTC 002(A) SECONDARY
 - RTS 003(J) PRIMARY
 - RTS 003(J) SECONDARY
- TRAFFIC SIGNAL EQUIPMENT:**
- POLE (STANDARD HEIGHT)
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
 - POLE NUMBER
 - PUSH BUTTON UNIT
 - PAN / TILT / ZOOM CCTV CAMERA
 - TRAFFIC SIGN MAST ARM (LENGTH VARIES)
- GENERAL:**
- SITE BOUNDARY LINE
 - TEMPORARY LAND ACQUISITION



INDICATIVE METHOD OF CONTROL



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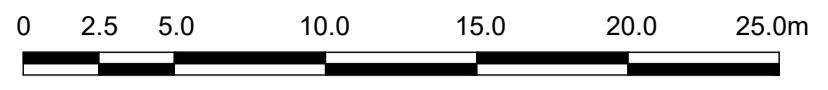
Rev	Date	Drn	Chk'd	App'd	Description
M01	MAR 2023	CG	EOC	SMG	ISSUED FOR PHASE 4: PLANNING

		Engineering Designer 		
Date	Scale	Drawn	Checked	Approved
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Programme Code	Originator Code	QMS Code		
BCIDD	ROT			

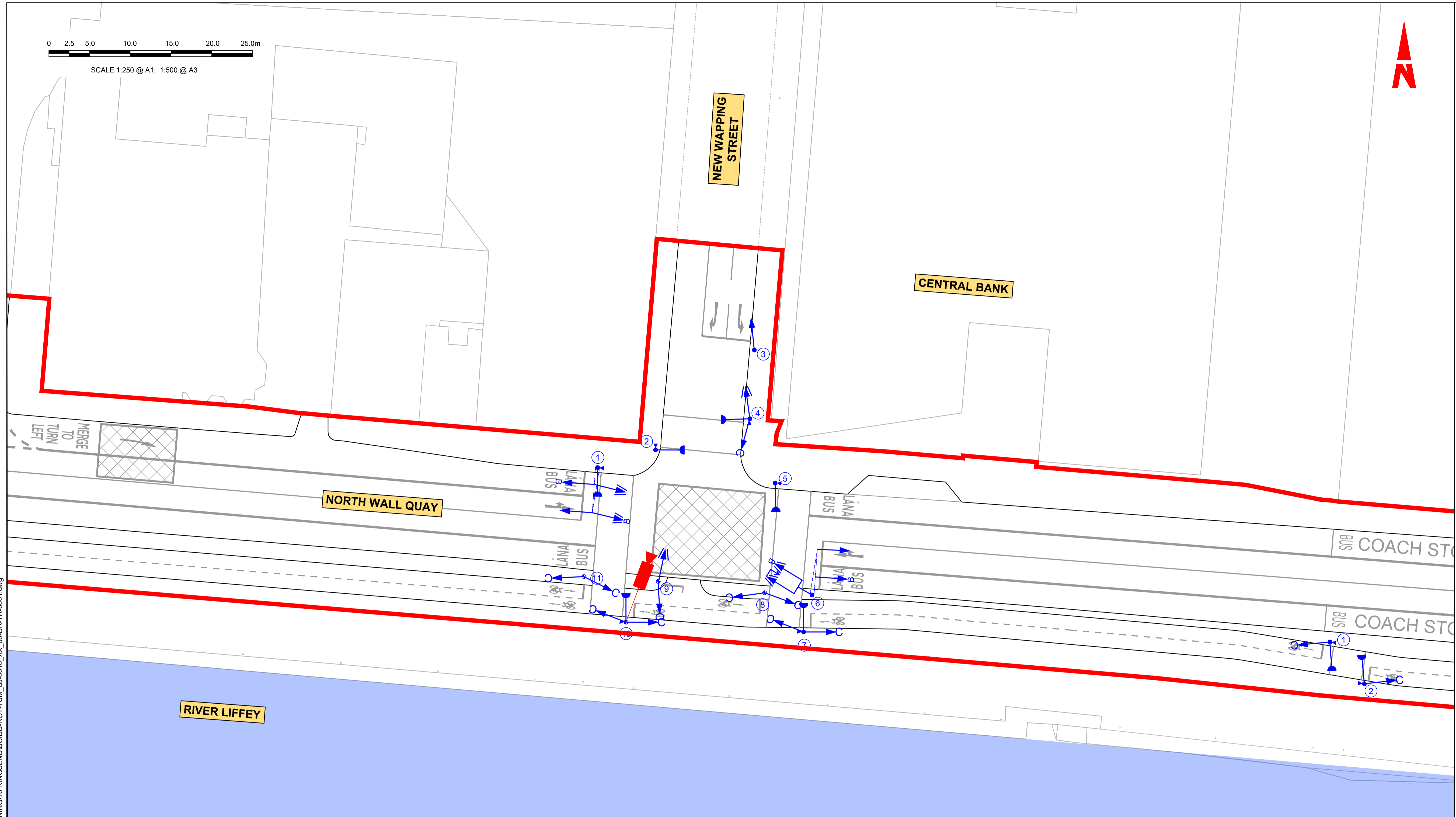
Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title RINGSEND TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEM DESIGN PARK LANE / NORTH WALL QUAY			
Drawing File Name	Sheet Number	Status	Rev
BCIDD-ROT-TSM_SJ-0016_XX_00-DR-TR-0006	06 of 20	A	M01

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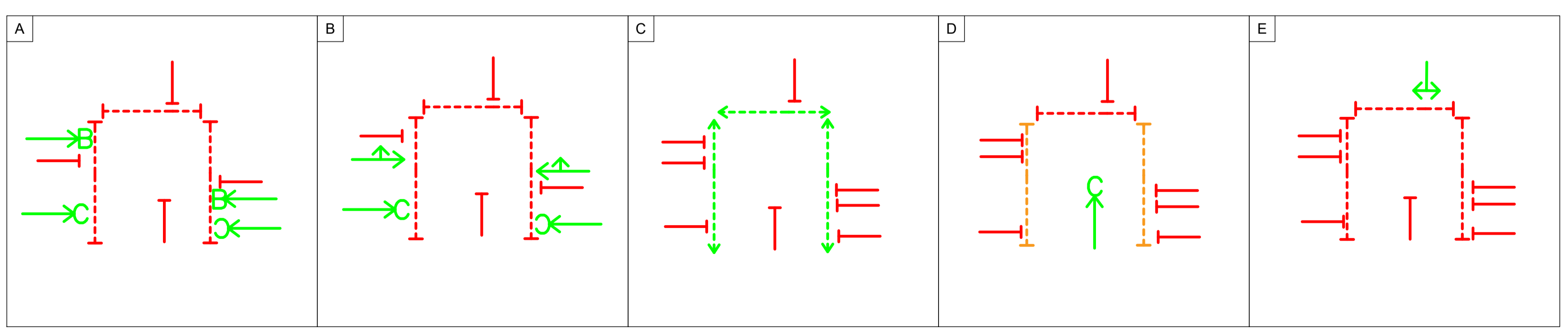


SCALE 1:250 @ A1; 1:500 @ A3



- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 001 PRIMARY
 - RTS 001 SECONDARY
 - RTS 002 PRIMARY
 - RTS 002 SECONDARY
 - RTS 003 (RUS 012) PRIMARY
 - RTS 003 (RUS 012) SECONDARY
 - RTS 007 (LOW LEVEL)
 - RTS 007 (HIGH LEVEL)
 - RPC 004 PEDESTRIAN HEAD
 - RTC 002(A) PRIMARY
 - RTC 002(A) SECONDARY
 - RTS 003(J) PRIMARY
 - RTS 003(J) SECONDARY
- TRAFFIC SIGNAL EQUIPMENT:**
- POLE (STANDARD HEIGHT)
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
 - POLE NUMBER
 - PUSH BUTTON UNIT
 - PAN / TILT / ZOOM CCTV CAMERA
 - TRAFFIC SIGN MAST ARM (LENGTH VARIES)
- GENERAL:**
- SITE BOUNDARY LINE
 - TEMPORARY LAND ACQUISITION

INDICATIVE METHOD OF CONTROL



J:\2019\1917117-02_WIPO8 MODELS\01 CAD\01 DWG\03 STG 3 - STATUTORY PROCESS (M)\01 PLANNING\16 RINGSEND\BCIDD-ROT-TSM_SJ-0016_XX_00-DR-TR-0001.dwg

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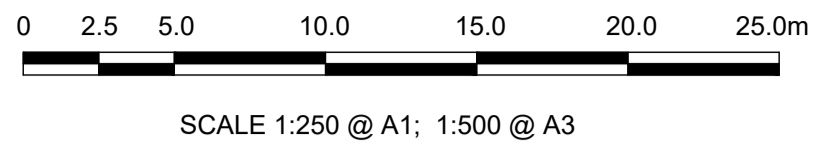


Rev	Date	Drn	Chk'd	App'd	Description
M01	MAR 2023	CG	EOC	SMG	ISSUED FOR PHASE 4: PLANNING

<p>Údarás Náisiúnta Iompair National Transport Authority</p>		<p>Engineering Designer</p>		
Date	Scale	Drawn	Checked	Approved
MAR 2023	1:250 @ A1 1:500 @ A3	CG	EOC	SMG
Programme Code	Originator Code	QMS Code		
BCIDD	ROT			

<p>Programme Title</p> <p>BUSCONNECTS DUBLIN</p> <p>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</p>			
<p>Drawing Title</p> <p>RINGSEND TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEM DESIGN NEW WAPPING STREET / NORTH WALL QUAY</p>			
Drawing File Name	Sheet Number	Status	Rev
BCIDD-ROT-TSM_SJ-0016_XX_00-DR-TR-0007	07 of 20	A	M01

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CENTRAL BANK

BUS COACH STOP

BUS COACH STOP

LÁNA BUS

NORTH WALL QUAY

RIVER LIFFEY

- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 001 PRIMARY
 - RTS 001 SECONDARY
 - RTS 002 PRIMARY
 - RTS 002 SECONDARY
 - RTS 003 (RUS 012) PRIMARY
 - RTS 003 (RUS 012) SECONDARY
 - RTS 007 (LOW LEVEL)
 - RTS 007 (HIGH LEVEL)
 - RPC 004 PEDESTRIAN HEAD
 - RTC 002(A) PRIMARY
 - RTC 002(A) SECONDARY
 - RTS 003(J) PRIMARY
 - RTS 003(J) SECONDARY
- TRAFFIC SIGNAL EQUIPMENT:**
- POLE (STANDARD HEIGHT)
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
 - POLE NUMBER
 - PUSH BUTTON UNIT
 - PAN / TILT / ZOOM CCTV CAMERA
 - TRAFFIC SIGN MAST ARM (LENGTH VARIES)
- GENERAL:**
- SITE BOUNDARY LINE
 - TEMPORARY LAND ACQUISITION

J:\2019\191717-02_WIP\08 MODELS\01 CAD\01 DWG\03 STG 3 - STATUTORY PROCESS (M)\01 PLANNING\16 RINGSEND\BCIDD-ROT-TSM_SJ-0016_XX_00-DR-TR-0001.dwg

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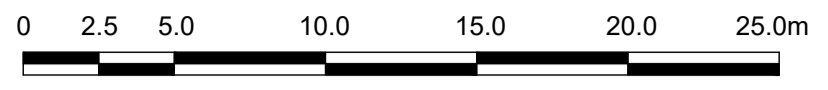


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Date	Scale	Drawn	Checked	Approved
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Programme Code	Originator Code	QMS Code		
BCIDD	ROT			

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title RINGSEND TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEM DESIGN SLATE STREET PEDESTRIAN CROSSING			
Drawing File Name	Sheet Number	Status	Rev
BCIDD-ROT-TSM_SJ-0016_XX_00-DR-TR-0008	08 of 20	A	M01

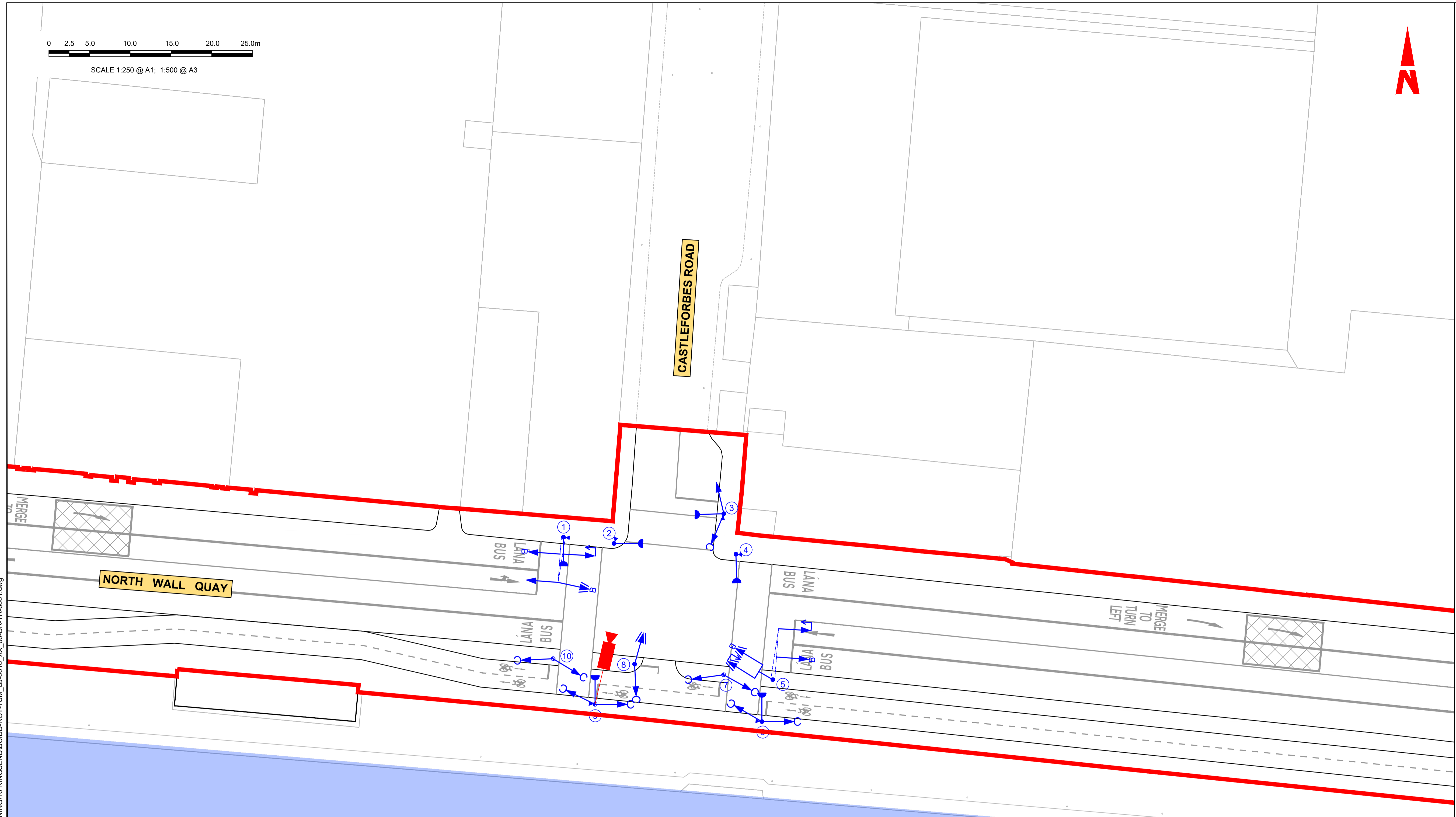
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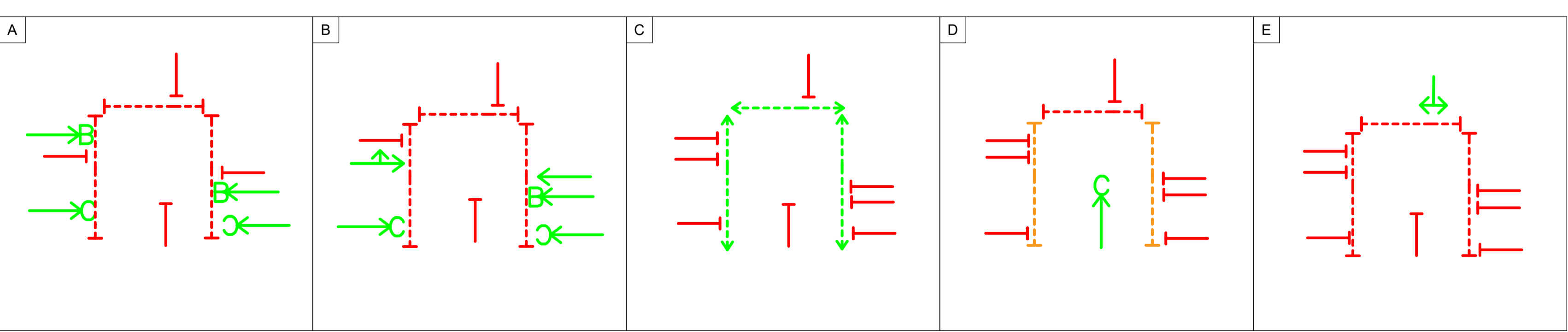
SCALE 1:250 @ A1; 1:500 @ A3



- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 001 PRIMARY
 - RTS 001 SECONDARY
 - RTS 002 PRIMARY
 - RTS 002 SECONDARY
 - RTS 003 (RUS 012) PRIMARY
 - RTS 003 (RUS 012) SECONDARY
 - RTS 007 (LOW LEVEL)
 - RTS 007 (HIGH LEVEL)
 - RPC 004 PEDESTRIAN HEAD
 - RTC 002(A) PRIMARY
 - RTC 002(A) SECONDARY
 - RTS 003(J) PRIMARY
 - RTS 003(J) SECONDARY
- TRAFFIC SIGNAL EQUIPMENT:**
- POLE (STANDARD HEIGHT)
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
 - POLE NUMBER
 - PUSH BUTTON UNIT
 - PAN / TILT / ZOOM CCTV CAMERA
 - TRAFFIC SIGN MAST ARM (LENGTH VARIES)
- GENERAL:**
- SITE BOUNDARY LINE
 - TEMPORARY LAND ACQUISITION



INDICATIVE METHOD OF CONTROL



J:\2019\1917117-02_WIPO8 MODELS\01 CAD\01 DWG\03 STG 3 - STATUTORY PROCESS (M)\01 PLANNING\16 RINGSEND\BCIDD-ROT-TSM_SJ-0016_XX_00-DR-TR-0001.dwg

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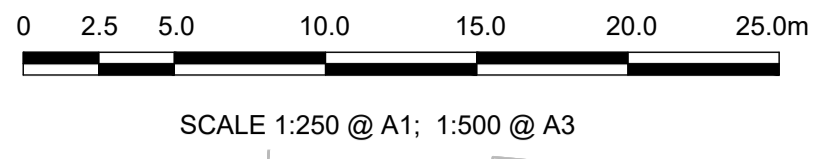


Rev	Date	Drn	Chk'd	App'd	Description
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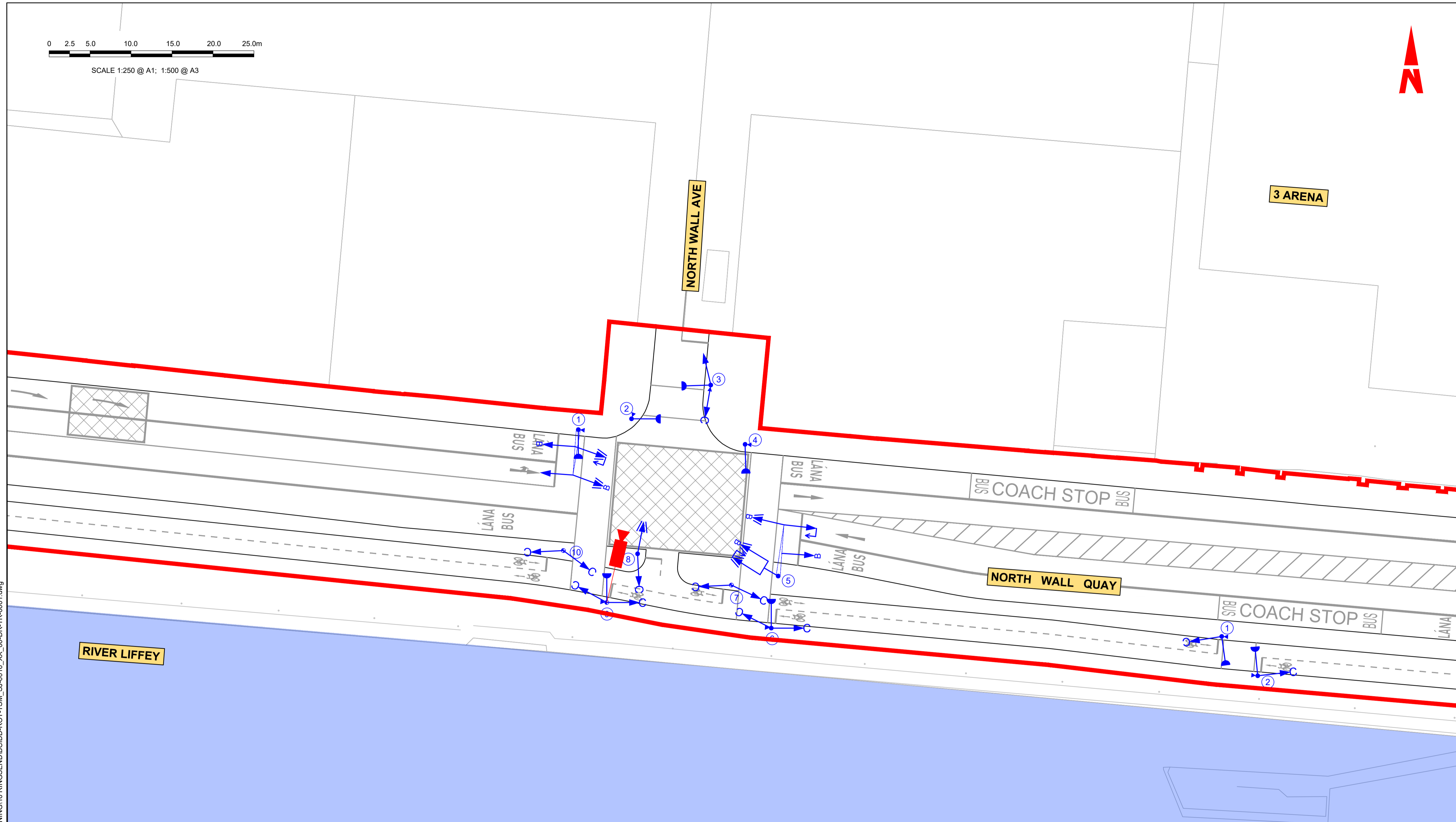
<p>Údarás Náisiúnta Iompair National Transport Authority</p>		<p>Engineering Designer</p>		
Date	Scale	Drawn	Checked	Approved
MAR 2023	1:250 @ A1 1:500 @ A3	CG	EOC	SMG
Programme Code	Originator Code	QMS Code		
BCIDD	ROT			

<p>Programme Title</p> <p>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</p>			
<p>Drawing Title</p> <p>RINGSEND TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEM DESIGN CASTLEFORBES STREET / NORTH WALL QUAY</p>			
Drawing File Name	Sheet Number	Status	Rev
BCIDD-ROT-TSM_SJ-0016_XX_00-DR-TR-0009	09 of 20	A	M01

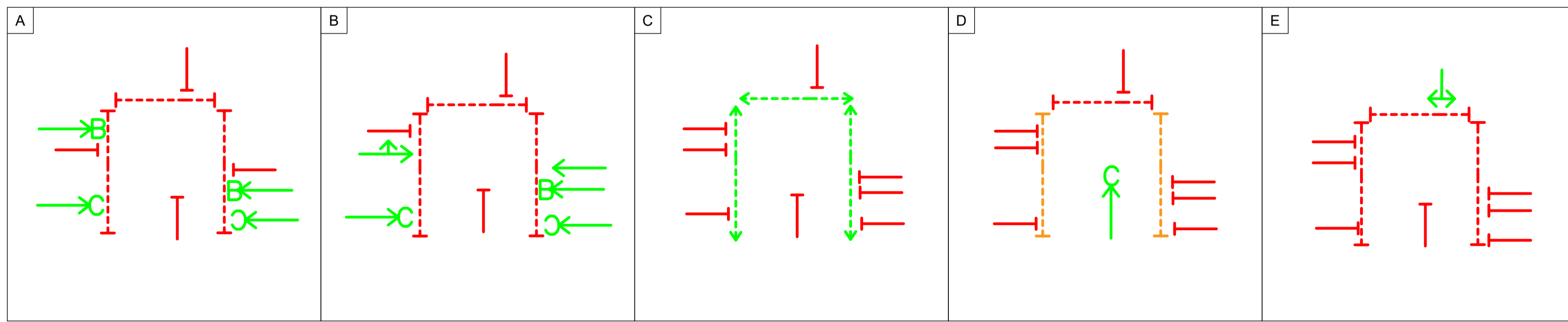
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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 001 PRIMARY
 - RTS 001 SECONDARY
 - RTS 002 PRIMARY
 - RTS 002 SECONDARY
 - RTS 003 (RUS 012) PRIMARY
 - RTS 003 (RUS 012) SECONDARY
 - RTS 007 (LOW LEVEL)
 - RTS 007 (HIGH LEVEL)
 - RPC 004 PEDESTRIAN HEAD
 - RTC 002(A) PRIMARY
 - RTC 002(A) SECONDARY
 - RTS 003(J) PRIMARY
 - RTS 003(J) SECONDARY
- TRAFFIC SIGNAL EQUIPMENT:**
- POLE (STANDARD HEIGHT)
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
 - POLE NUMBER
 - PUSH BUTTON UNIT
 - PAN / TILT / ZOOM CCTV CAMERA
 - TRAFFIC SIGN MAST ARM (LENGTH VARIES)
- GENERAL:**
- SITE BOUNDARY LINE
 - TEMPORARY LAND ACQUISITION



INDICATIVE METHOD OF CONTROL



J:\2019\1917117-02_WIPO8 MODELS\01 CAD\01 DWG\03 STG 3 - STATUTORY PROCESS (M)\01 PLANNING\16 RINGSEND\BCIDD-ROT-TSM_SJ-0016_XX_00-DR-TR-0001.dwg

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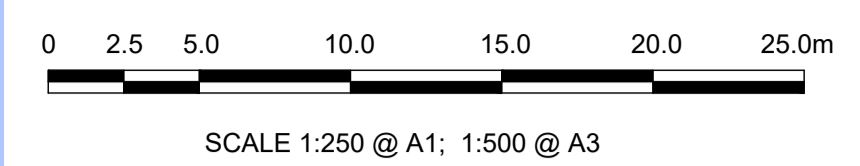


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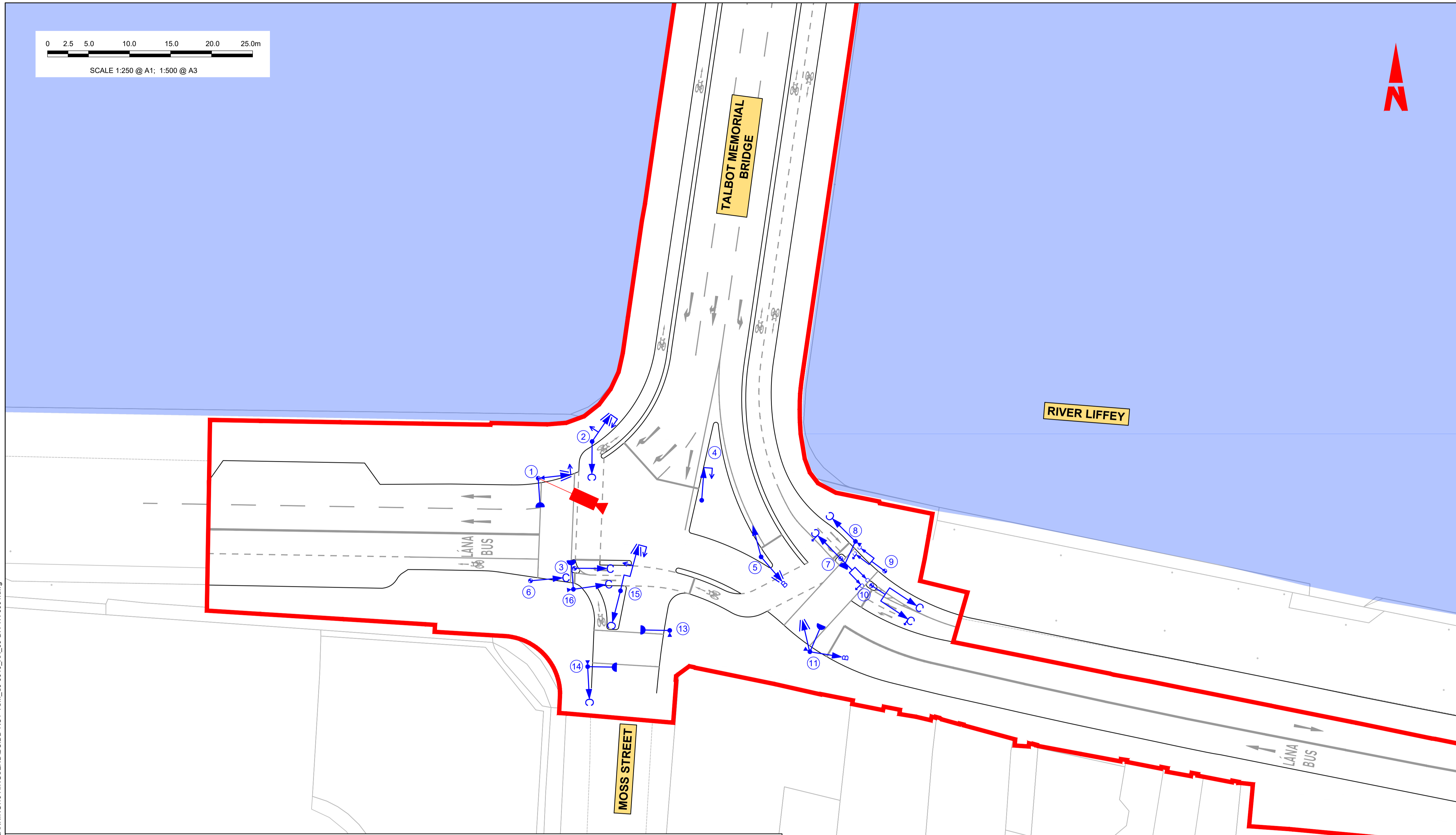
 Údarás Náisiúnta Iompair National Transport Authority		Engineering Designer TYPSA		
Date	Scale	Drawn	Checked	Approved
MAR 2023	1:250 @ A1 1:500 @ A3	CG	EOC	SMG
Programme Code	Originator Code	QMS Code		
BCIDD	ROT			

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title RINGSEND TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEM DESIGN NORTH WALL AVENUE / NORTH WALL QUAY			
Drawing File Name	Sheet Number	Status	Rev
BCIDD-ROT-TSM_SJ-0016_XX_00-DR-TR-0010	10 of 20	A	M01

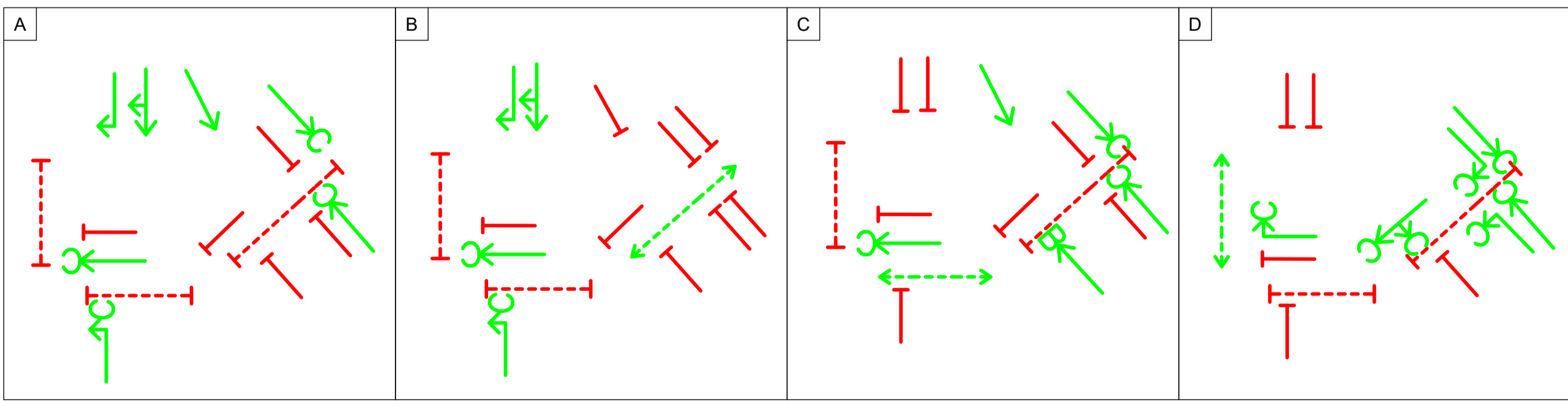
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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 001 PRIMARY
 - RTS 001 SECONDARY
 - RTS 002 PRIMARY
 - RTS 002 SECONDARY
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 - RTS 003 (RUS 012) SECONDARY
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 - RTS 007 (HIGH LEVEL)
 - RPC 004 PEDESTRIAN HEAD
 - RTC 002(A) PRIMARY
 - RTC 002(A) SECONDARY
 - RTS 003(J) PRIMARY
 - RTS 003(J) SECONDARY
- TRAFFIC SIGNAL EQUIPMENT:**
- POLE (STANDARD HEIGHT)
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
 - POLE NUMBER
 - PUSH BUTTON UNIT
 - PAN / TILT / ZOOM CCTV CAMERA
 - TRAFFIC SIGN MAST ARM (LENGTH VARIES)
- GENERAL:**
- SITE BOUNDARY LINE
 - TEMPORARY LAND ACQUISITION



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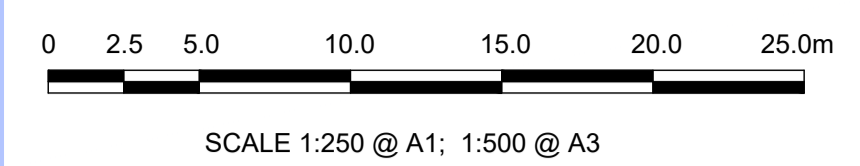
Rev	Date	Drn	Chk'd	App'd	Description
M01	MAR 2023	CG	EOC	SMG	ISSUED FOR PHASE 4: PLANNING

Date	Scale	Drawn	Checked	Approved
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Programme Code	Originator Code	QMS Code		
BCIDD	ROT			

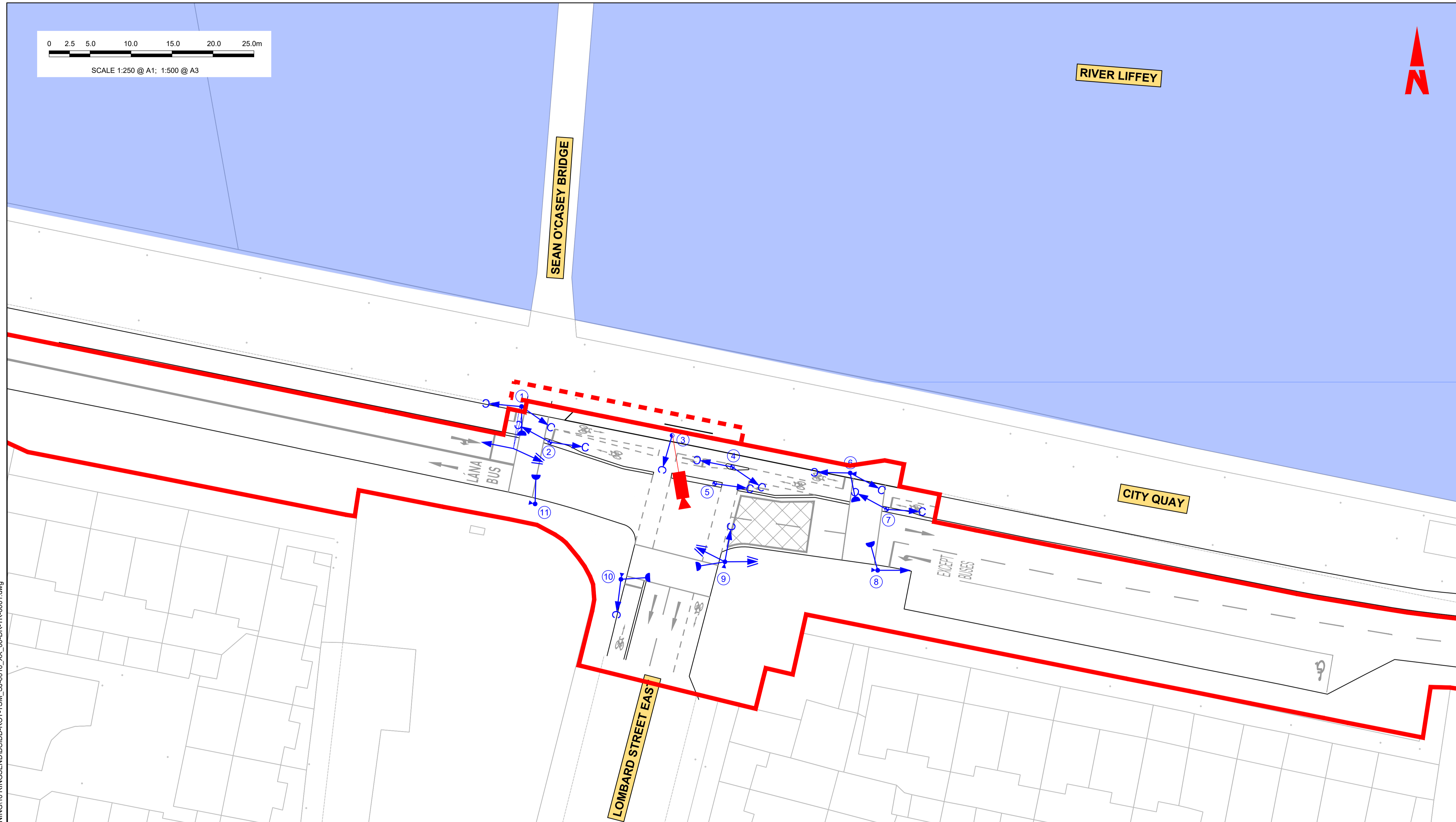
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Drawing Title RINGSEND TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEM DESIGN CITY QUAY / MEMORIAL BRIDGE			
Drawing File Name	Sheet Number	Status	Rev
BCIDD-ROT-TSM_SJ-0016_XX_00-DR-TR-0011	11 of 20	A	M01

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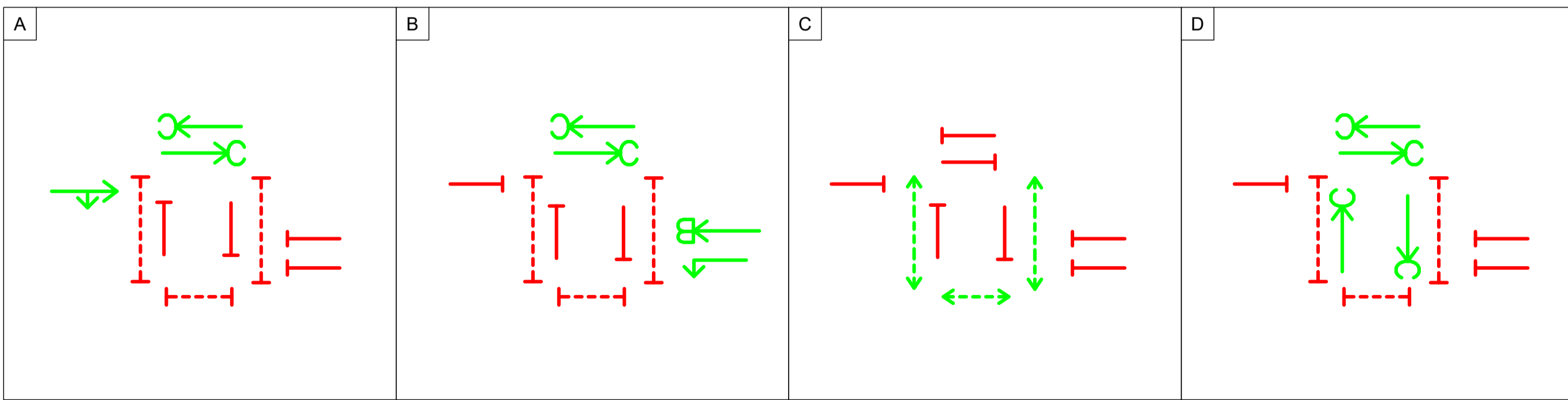
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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 001 PRIMARY
 - RTS 001 SECONDARY
 - RTS 002 PRIMARY
 - RTS 002 SECONDARY
 - RTS 003 (RUS 012) PRIMARY
 - RTS 003 (RUS 012) SECONDARY
 - RTS 007 (LOW LEVEL)
 - RTS 007 (HIGH LEVEL)
 - RPC 004 PEDESTRIAN HEAD
 - RTC 002(A) PRIMARY
 - RTC 002(A) SECONDARY
 - RTS 003(J) PRIMARY
 - RTS 003(J) SECONDARY
- TRAFFIC SIGNAL EQUIPMENT:**
- POLE (STANDARD HEIGHT)
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
 - POLE NUMBER
 - PUSH BUTTON UNIT
 - PAN / TILT / ZOOM CCTV CAMERA
 - TRAFFIC SIGN MAST ARM (LENGTH VARIES)
- GENERAL:**
- SITE BOUNDARY LINE
 - TEMPORARY LAND ACQUISITION



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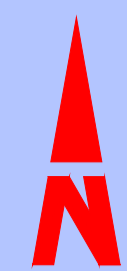
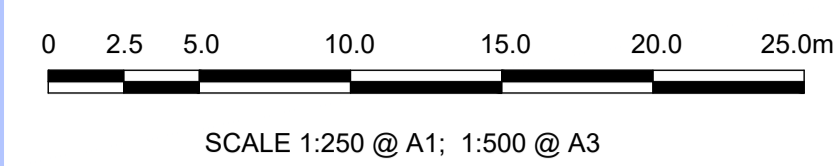
Rev	Date	Drn	Chk'd	App'd	Description
M01	MAR 2023	CG	EOC	SMG	ISSUED FOR PHASE 4: PLANNING

Client NTA Údarás Náisiúnta Iompair National Transport Authority		Engineering Designer CIROD TYPSA		
Date MAR 2023	Scale 1:250 @ A1 1:500 @ A3	Drawn CG	Checked EOC	Approved SMG
Programme Code BCIDD	Originator Code ROT	QMS Code		

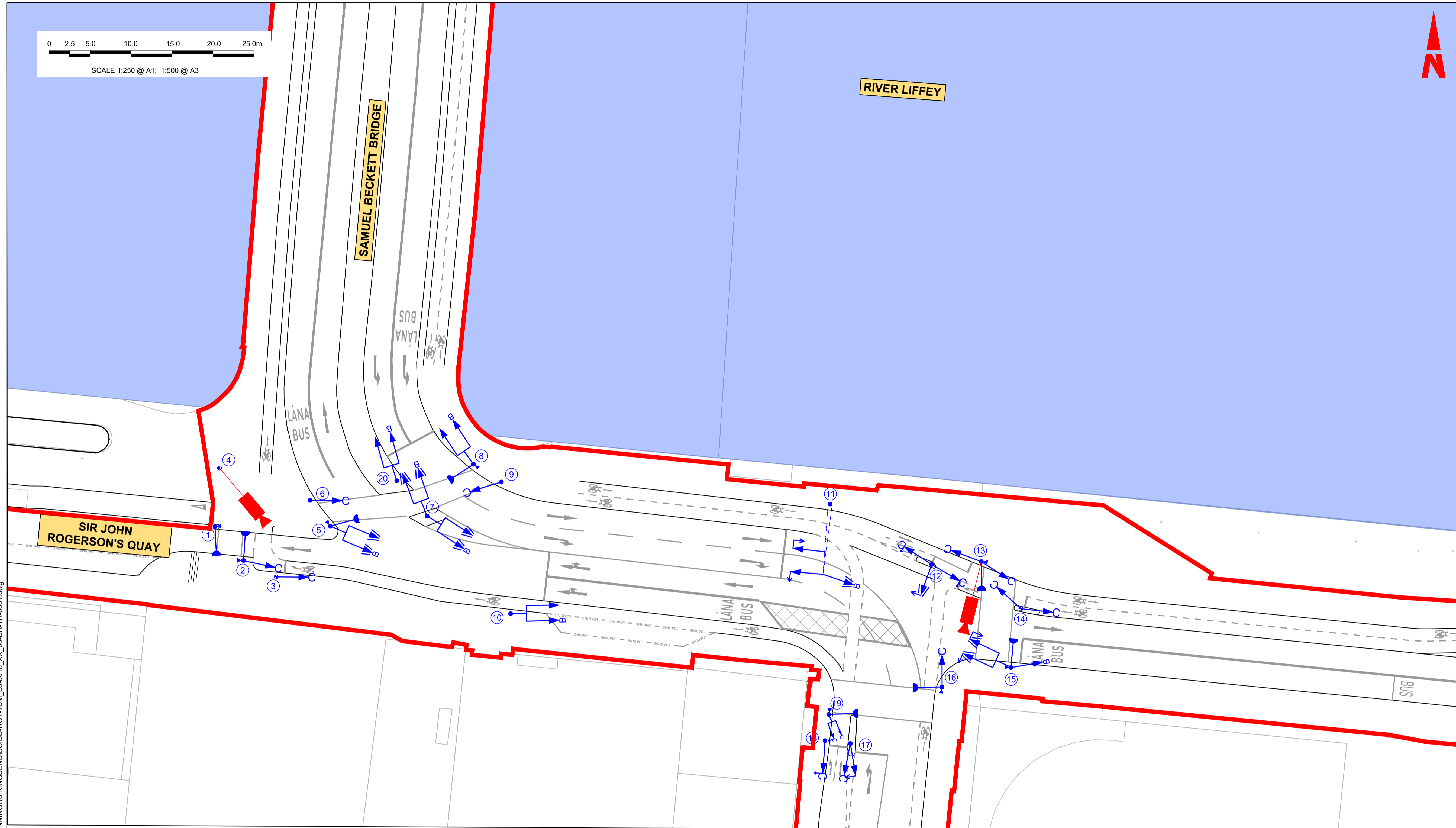
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Drawing Title RINGSEND TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEM DESIGN LOMBARD STREET / CITY QUAY				
Drawing File Name BCIDD-ROT-TSM_SJ-0016_XX_00-DR-TR-0012	Sheet Number 12 of 20	Status A	Rev M01	

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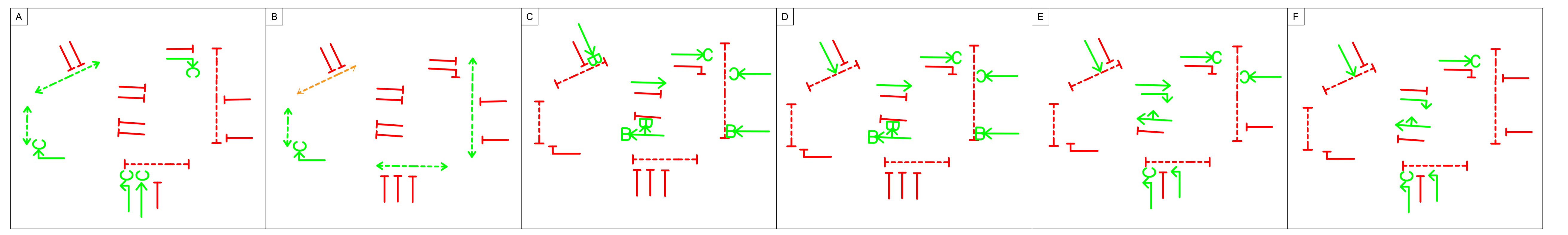
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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 001 PRIMARY
 - RTS 001 SECONDARY
 - RTS 002 PRIMARY
 - RTS 002 SECONDARY
 - RTS 003 (RUS 012) PRIMARY
 - RTS 003 (RUS 012) SECONDARY
 - RTS 007 (LOW LEVEL)
 - RTS 007 (HIGH LEVEL)
 - RPC 004 PEDESTRIAN HEAD
 - RTC 002(A) PRIMARY
 - RTC 002(A) SECONDARY
 - RTS 003(J) PRIMARY
 - RTS 003(J) SECONDARY
- TRAFFIC SIGNAL EQUIPMENT:**
- POLE (STANDARD HEIGHT)
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
 - POLE NUMBER
 - PUSH BUTTON UNIT
 - PAN / TILT / ZOOM CCTV CAMERA
 - TRAFFIC SIGN MAST ARM (LENGTH VARIES)
- GENERAL:**
- SITE BOUNDARY LINE
 - TEMPORARY LAND ACQUISITION



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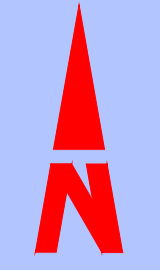
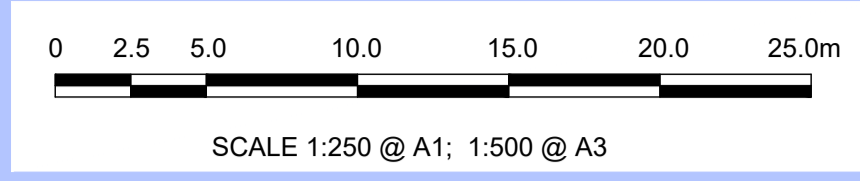
Rev	Date	Drn	Chk'd	App'd	Description
M01	MAR 2023	CG	EOC	SMG	ISSUED FOR PHASE 4: PLANNING

Date	Scale	Drawn	Checked	Approved
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Programme Code	Originator Code	QMS Code		
BCIDD	ROT			

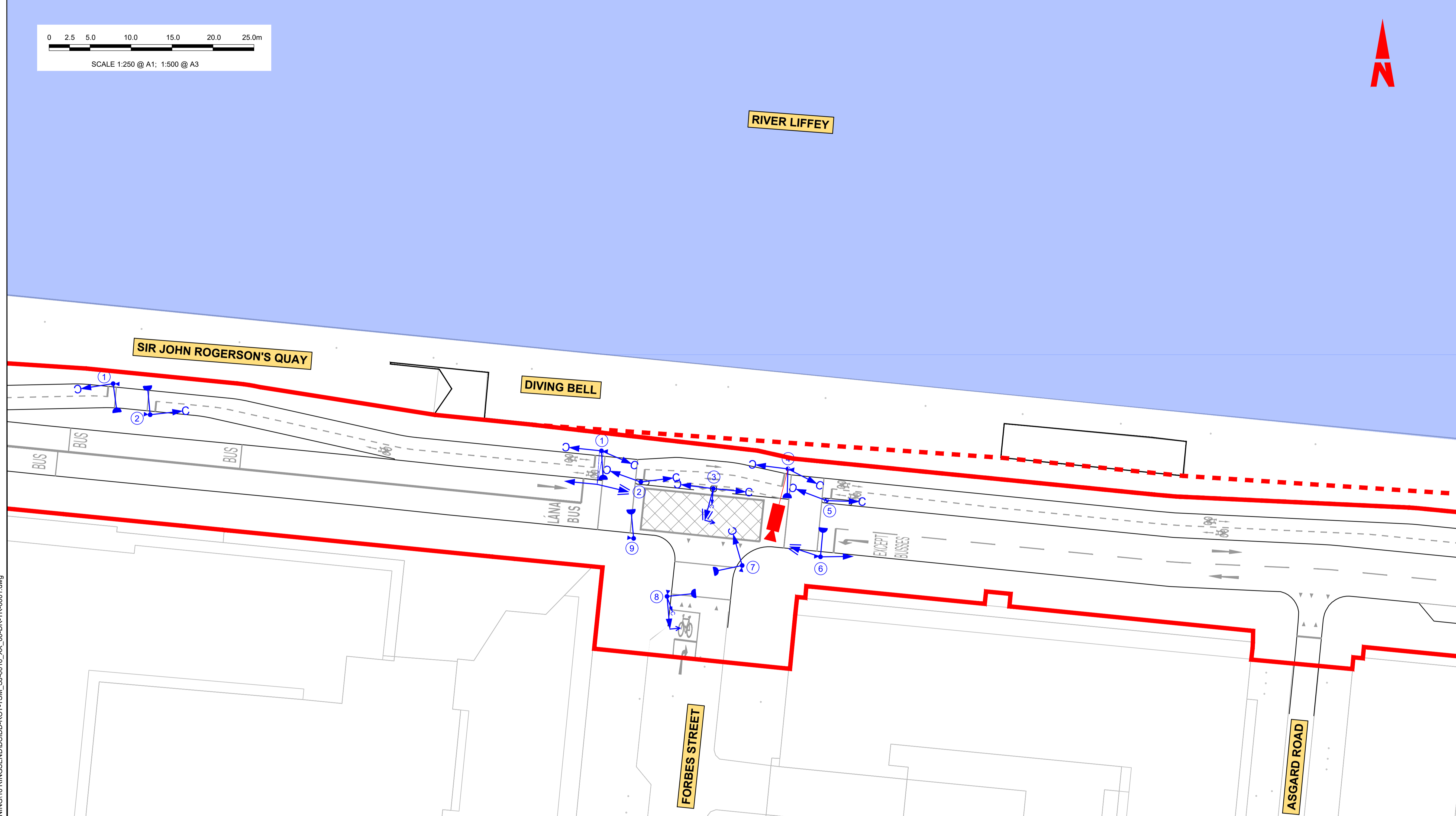
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Drawing Title RINGSEND TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEM DESIGN CARDIFF LANE / SIR JOHN ROGERSON'S QUAY			
Drawing File Name	Sheet Number	Status	Rev
BCIDD-ROT-TSM_SJ-0016_XX_00-DR-TR-0013	13 of 20	A	M01

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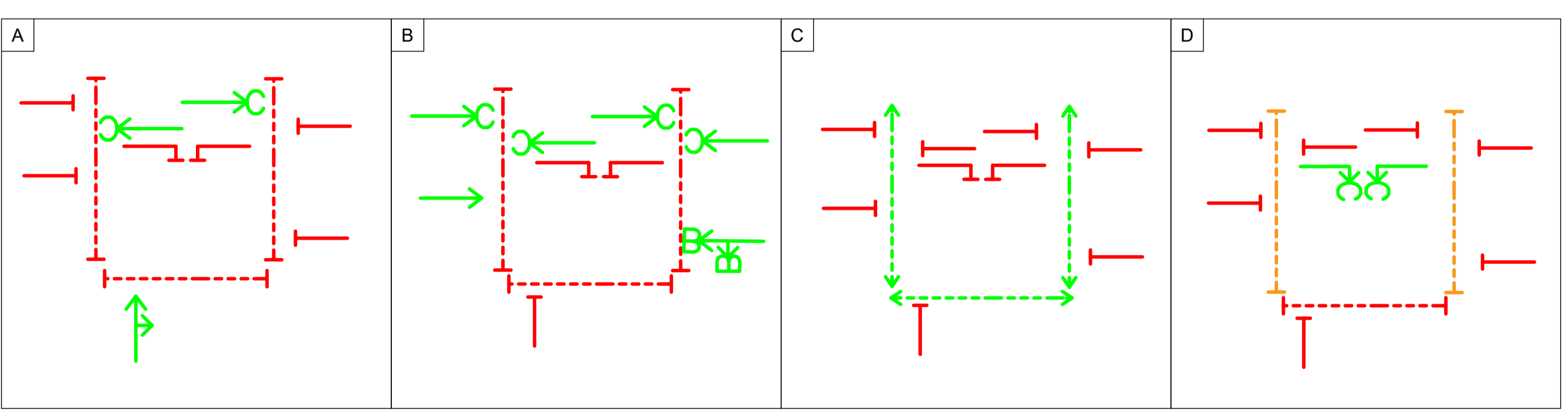
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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 001 PRIMARY
 - RTS 001 SECONDARY
 - RTS 002 PRIMARY
 - RTS 002 SECONDARY
 - RTS 003 (RUS 012) PRIMARY
 - RTS 003 (RUS 012) SECONDARY
 - RTS 007 (LOW LEVEL)
 - RTS 007 (HIGH LEVEL)
 - RPC 004 PEDESTRIAN HEAD
 - RTC 002(A) PRIMARY
 - RTC 002(A) SECONDARY
 - RTS 003(J) PRIMARY
 - RTS 003(J) SECONDARY
- TRAFFIC SIGNAL EQUIPMENT:**
- POLE (STANDARD HEIGHT)
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
 - POLE NUMBER
 - PUSH BUTTON UNIT
 - PAN / TILT / ZOOM CCTV CAMERA
 - TRAFFIC SIGN MAST ARM (LENGTH VARIES)
- GENERAL:**
- SITE BOUNDARY LINE
 - TEMPORARY LAND ACQUISITION



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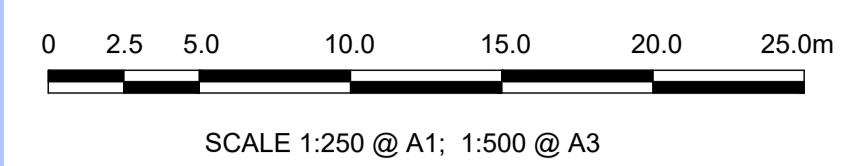
Rev	Date	Dwn	Chk'd	App'd	Description
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Date	Scale	Drawn	Checked	Approved
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Programme Code	Originator Code	QMS Code		
BCIDD	ROT			

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title RINGSEND TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEM DESIGN FORBES STREET / SIR JOHN ROGERSON'S QUAY			
Drawing File Name	Sheet Number	Status	Rev
BCIDD-ROT-TSM_SJ-0016_XX_00-DR-TR-0014	14 of 20	A	M01

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RIVER LIFFEY

SIR JOHN ROGERSON'S QUAY

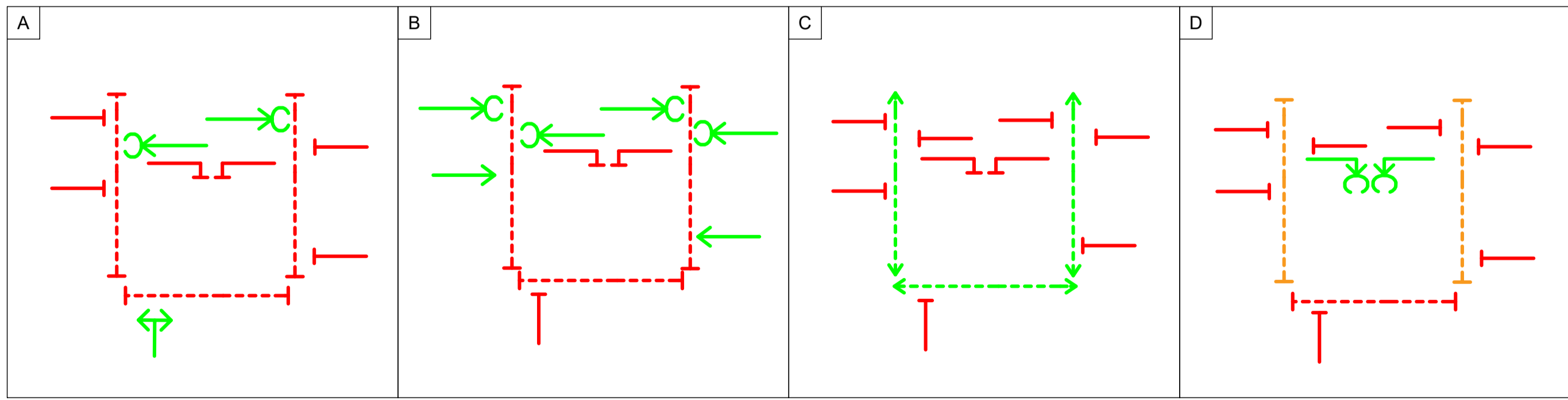
BRITAIN QUAY



LEGEND:

- TRAFFIC SIGNAL HEADS:**
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 - RTS 001 SECONDARY
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 - RTS 002 SECONDARY
 - RTS 003 (RUS 012) PRIMARY
 - RTS 003 (RUS 012) SECONDARY
 - RTS 007 (LOW LEVEL)
 - RTS 007 (HIGH LEVEL)
 - RPC 004 PEDESTRIAN HEAD
 - RTC 002(A) PRIMARY
 - RTC 002(A) SECONDARY
 - RTS 003(J) PRIMARY
 - RTS 003(J) SECONDARY
- TRAFFIC SIGNAL EQUIPMENT:**
- POLE (STANDARD HEIGHT)
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
 - POLE NUMBER
 - PUSH BUTTON UNIT
 - PAN / TILT / ZOOM CCTV CAMERA
 - TRAFFIC SIGN MAST ARM (LENGTH VARIES)
- GENERAL:**
- SITE BOUNDARY LINE
 - TEMPORARY LAND ACQUISITION

INDICATIVE METHOD OF CONTROL



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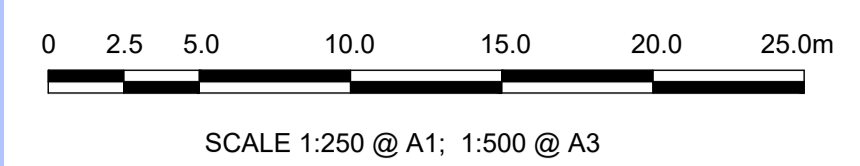


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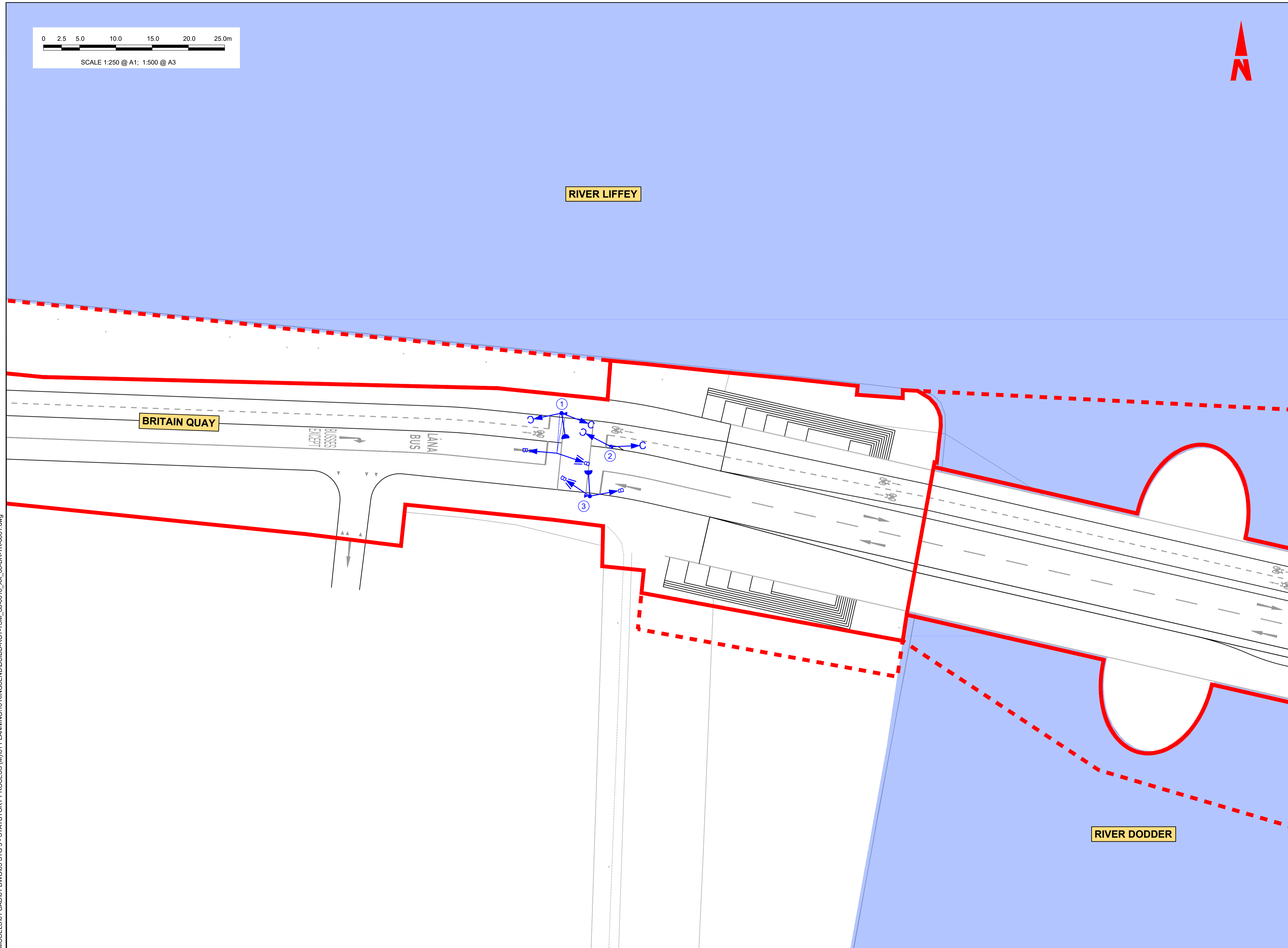
 Údarás Náisiúnta Iompair National Transport Authority		Engineering Designer IROD TYPSA		
Date	Scale	Drawn	Checked	Approved
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Programme Code	Originator Code	QMS Code		
BCIDD	ROT			

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title RINGSEND TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEM DESIGN BLOOD STONEY ROAD / SIR JOHN ROGERSON'S QUAY			
Drawing File Name	Sheet Number	Status	Rev
BCIDD-ROT-TSM_SJ-0016_XX_00-DR-TR-0015	15 of 20	A	M01

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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 001 PRIMARY
 - RTS 001 SECONDARY
 - RTS 002 PRIMARY
 - RTS 002 SECONDARY
 - RTS 003 (RUS 012) PRIMARY
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 - RTS 007 (LOW LEVEL)
 - RTS 007 (HIGH LEVEL)
 - RPC 004 PEDESTRIAN HEAD
 - RTC 002(A) PRIMARY
 - RTC 002(A) SECONDARY
 - RTS 003(J) PRIMARY
 - RTS 003(J) SECONDARY
- TRAFFIC SIGNAL EQUIPMENT:**
- POLE (STANDARD HEIGHT)
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
 - POLE NUMBER
 - PUSH BUTTON UNIT
 - PAN / TILT / ZOOM CCTV CAMERA
 - TRAFFIC SIGN MAST ARM (LENGTH VARIES)
- GENERAL:**
- SITE BOUNDARY LINE
 - TEMPORARY LAND ACQUISITION



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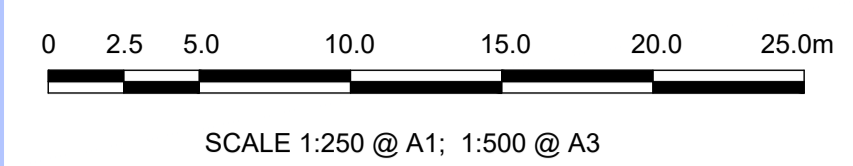
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Date	Scale	Drawn	Checked	Approved
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Programme Code	Originator Code	QMS Code		
BCIDD	ROT			

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title RINGSEND TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEM DESIGN DODDER PT BRIDGE PEDESTRIAN CROSSING			
Drawing File Name	Sheet Number	Status	Rev
BCIDD-ROT-TSM_SJ-0016_XX_00-DR-TR-0016	16 of 20	A	M01



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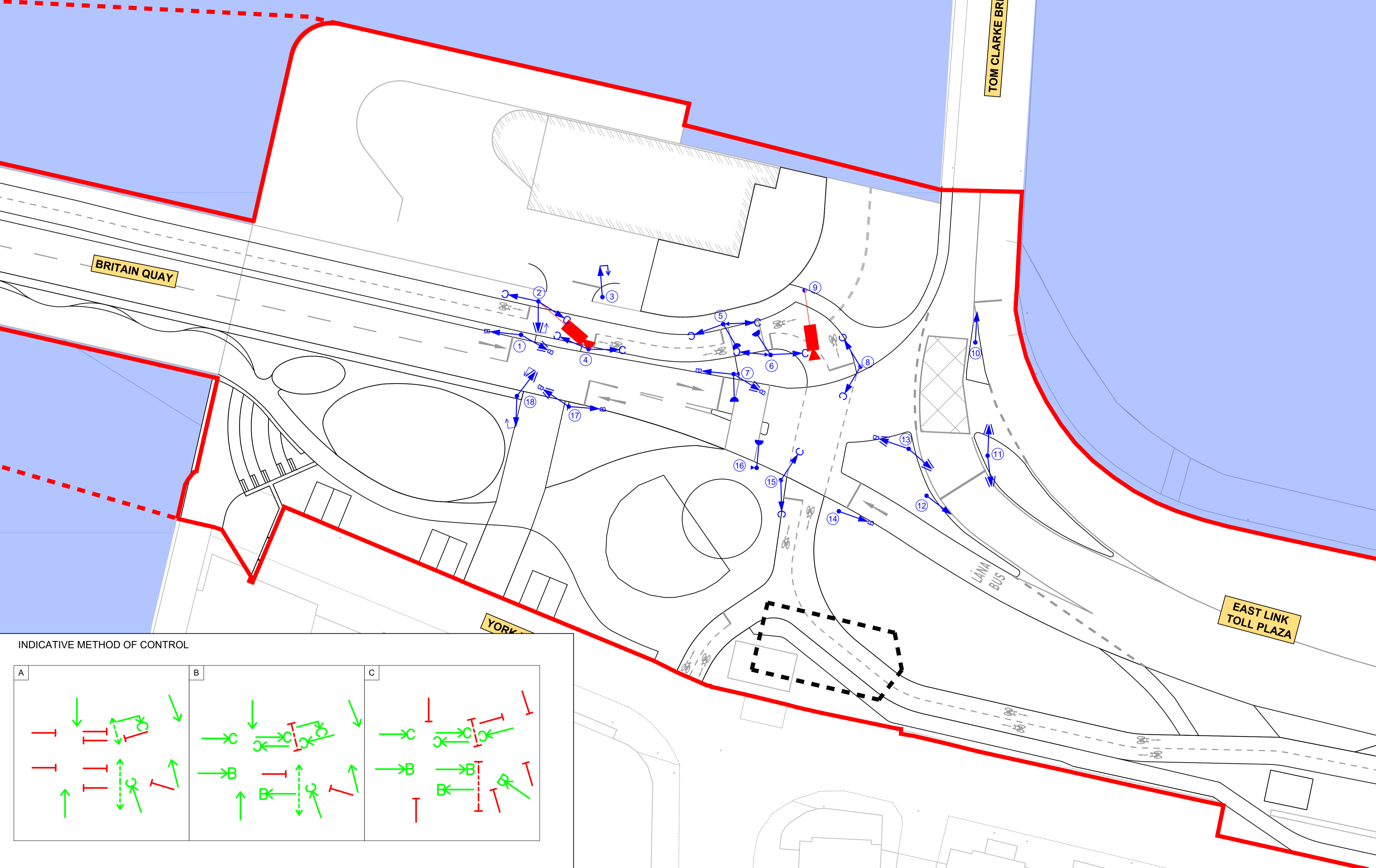
RIVER LIFFEY

TOM CLARKE BRIDGE

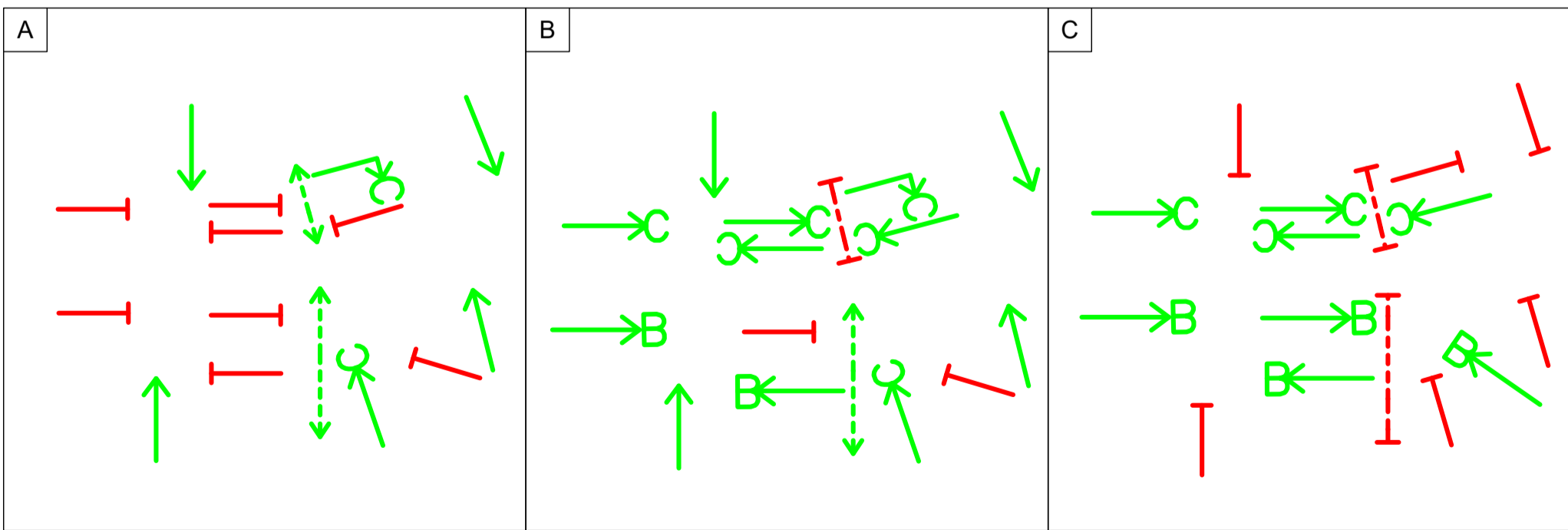


LEGEND:

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



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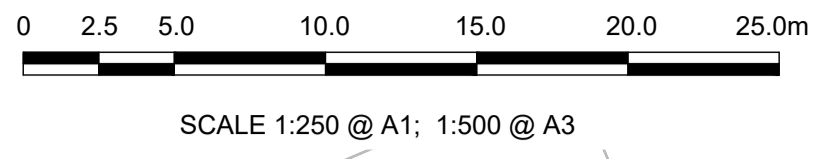
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M01	MAR 2023	CG	EOC	SMG	ISSUED FOR PHASE 4: PLANNING

Date	Scale	Drawn	Checked	Approved
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Programme Code	Originator Code	QMS Code		
BCIDD	ROT			

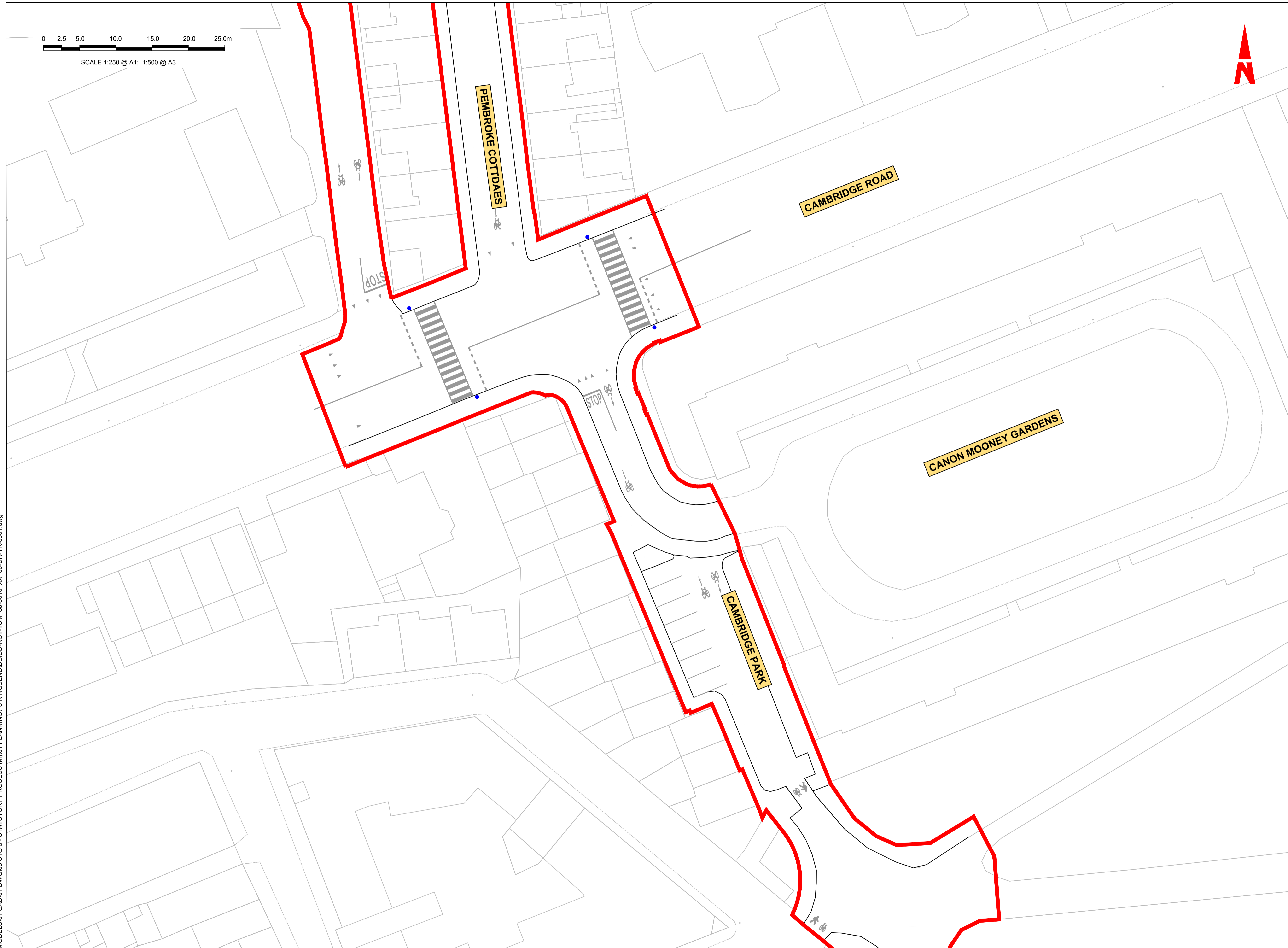
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Drawing Title RINGSEND TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEM DESIGN DODDER PT BRIDGE			
Drawing File Name	Sheet Number	Status	Rev
BCIDD-ROT-TSM_SJ-0016_XX_00-DR-TR-0017	17 of 20	A	M01

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- LEGEND:**
- TRAFFIC SIGNAL HEADS:**
- RTS 001 PRIMARY
 - RTS 001 SECONDARY
 - RTS 002 PRIMARY
 - RTS 002 SECONDARY
 - RTS 003 (RUS 012) PRIMARY
 - RTS 003 (RUS 012) SECONDARY
 - RTS 007 (LOW LEVEL)
 - RTS 007 (HIGH LEVEL)
 - RPC 004 PEDESTRIAN HEAD
 - RTC 002(A) PRIMARY
 - RTC 002(A) SECONDARY
 - RTS 003(J) PRIMARY
 - RTS 003(J) SECONDARY
- TRAFFIC SIGNAL EQUIPMENT:**
- POLE (STANDARD HEIGHT)
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
 - POLE NUMBER
 - PUSH BUTTON UNIT
 - PAN / TILT / ZOOM CCTV CAMERA
 - TRAFFIC SIGN MAST ARM (LENGTH VARIES)
- GENERAL:**
- SITE BOUNDARY LINE
 - TEMPORARY LAND ACQUISITION



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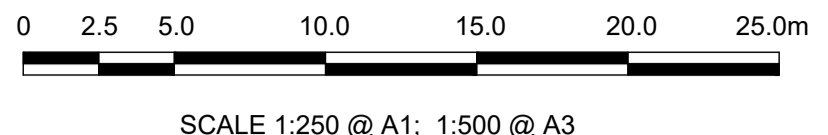


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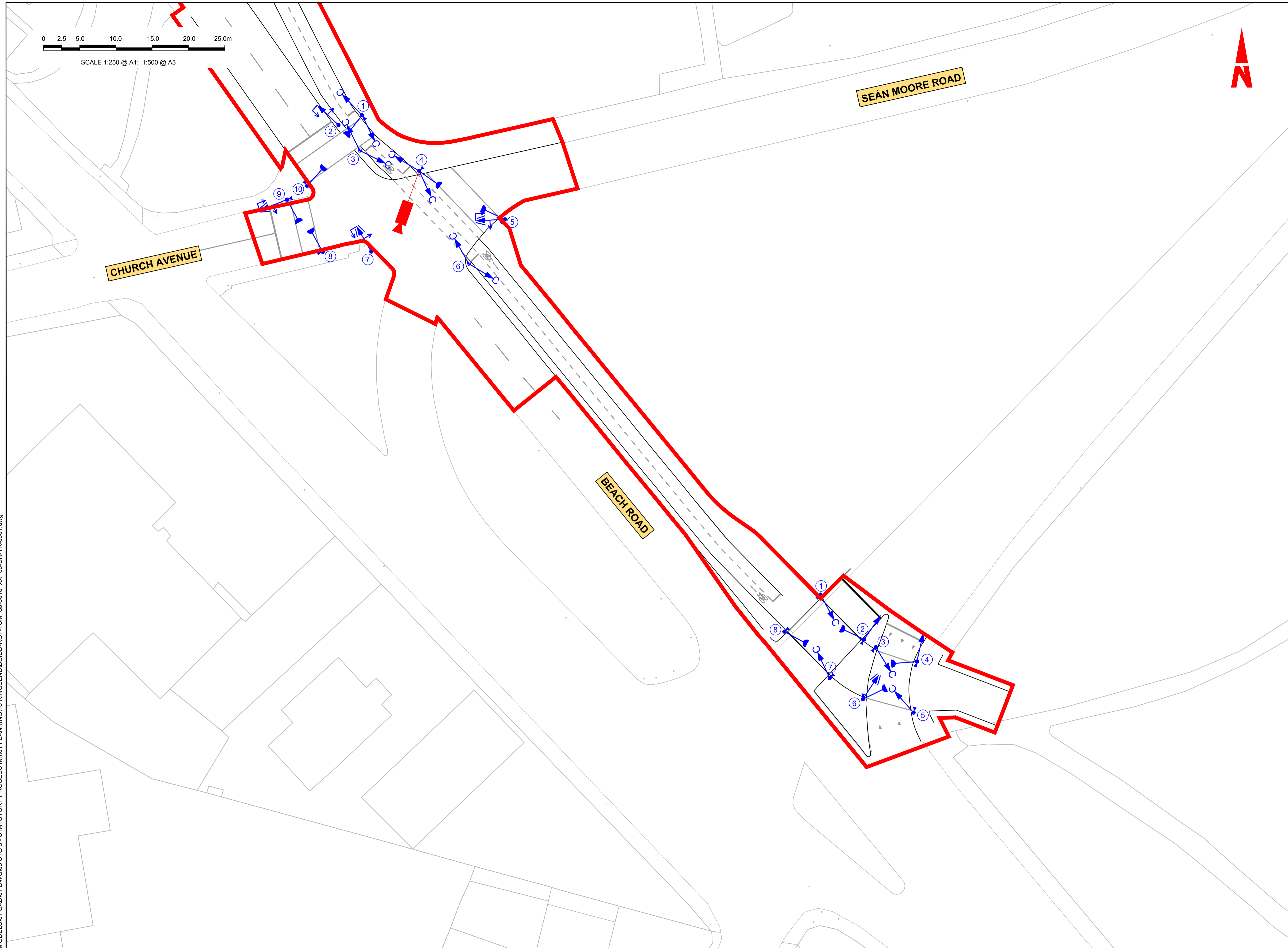
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BCIDD	ROT			

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title RINGSEND TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEM DESIGN CAMBRIDGE ROAD ZEBRA CROSSING			
Drawing File Name	Sheet Number	Status	Rev
BCIDD-ROT-TSM_SJ-0016_XX_00-DR-TR-0018	18 of 20	A	M01

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 - RTS 001 SECONDARY
 - RTS 002 PRIMARY
 - RTS 002 SECONDARY
 - RTS 003 (RUS 012) PRIMARY
 - RTS 003 (RUS 012) SECONDARY
 - RTS 007 (LOW LEVEL)
 - RTS 007 (HIGH LEVEL)
 - RPC 004 PEDESTRIAN HEAD
 - RTC 002(A) PRIMARY
 - RTC 002(A) SECONDARY
 - RTS 003(J) PRIMARY
 - RTS 003(J) SECONDARY
- TRAFFIC SIGNAL EQUIPMENT:**
- POLE (STANDARD HEIGHT)
 - TALL POLE (CCTV/TRAFFIC SIGNALS)
 - POLE NUMBER
 - PUSH BUTTON UNIT
 - PAN / TILT / ZOOM CCTV CAMERA
 - TRAFFIC SIGN MAST ARM (LENGTH VARIES)
- GENERAL:**
- SITE BOUNDARY LINE
 - TEMPORARY LAND ACQUISITION



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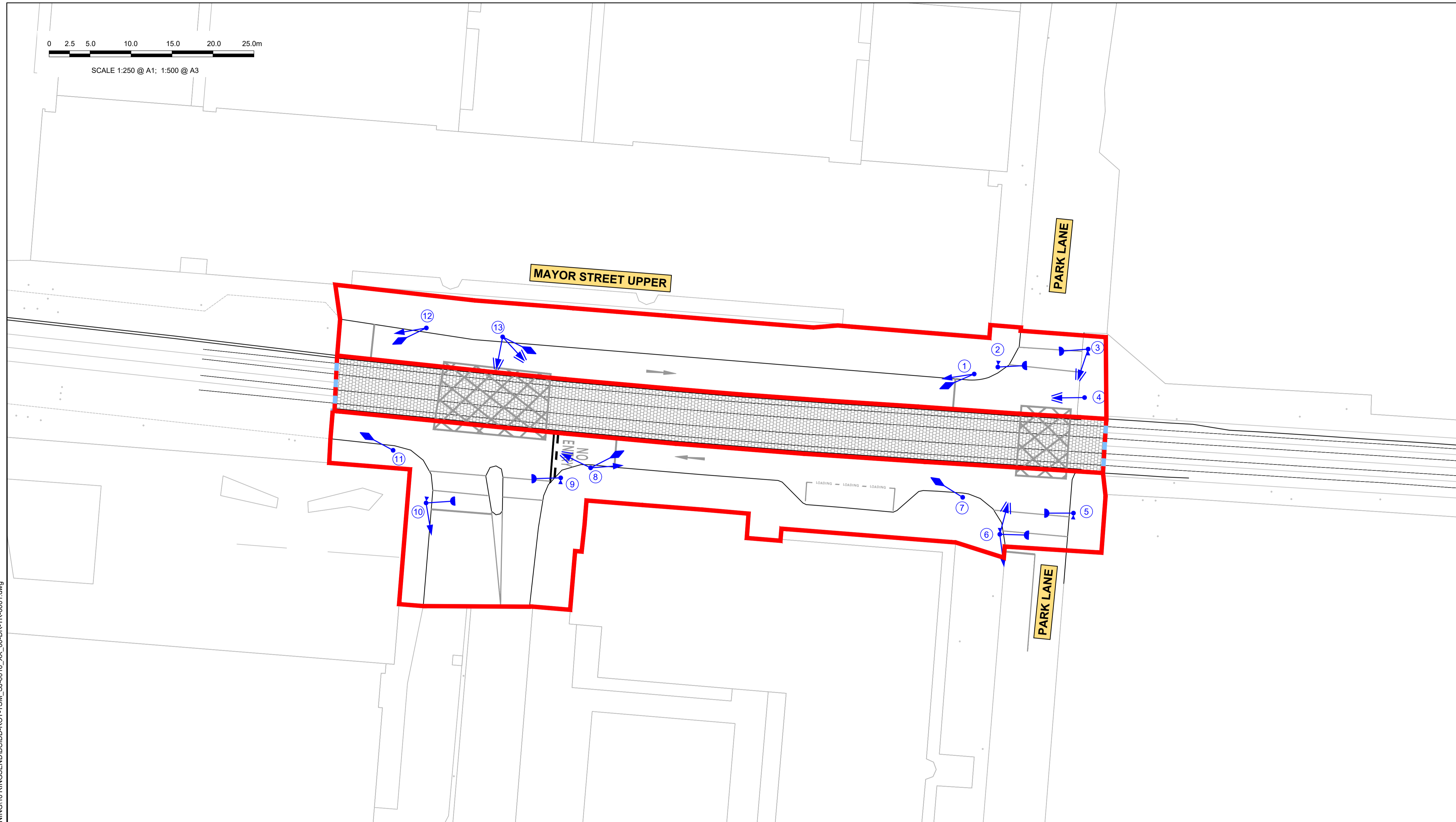
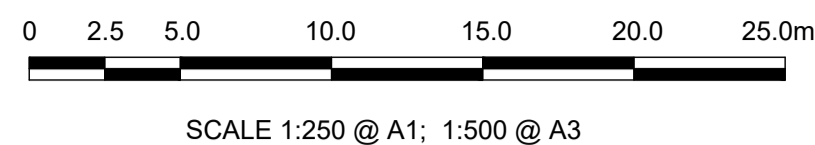
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Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title RINGSEND TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEM DESIGN SEAN MOORE ROAD TOUCAN CROSSINGS			
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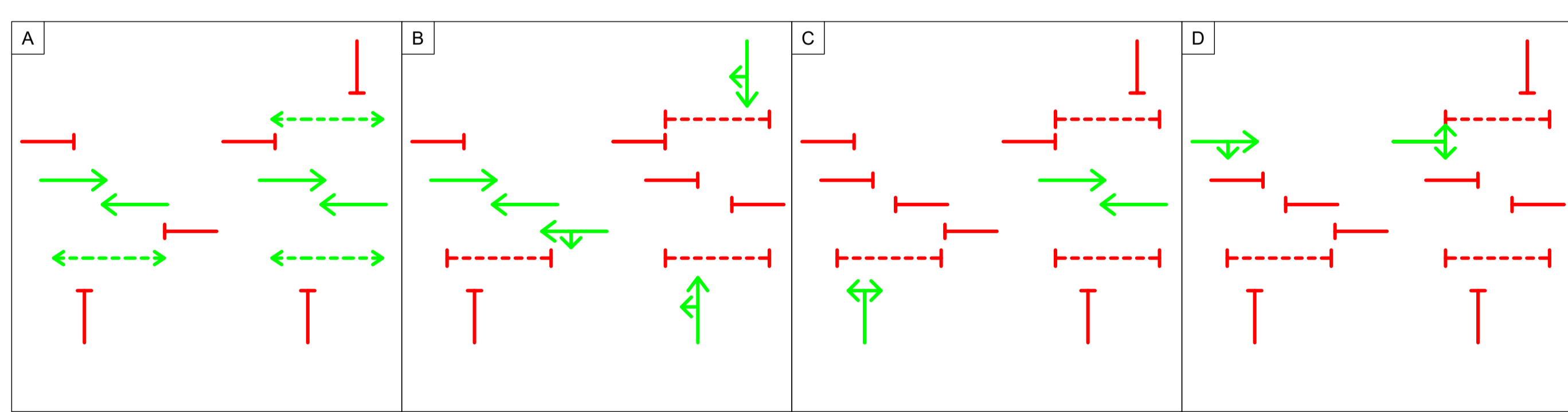


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INDICATIVE METHOD OF CONTROL



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Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title RINGSEND TO CITY CENTRE CORE BUS CORRIDOR SCHEME JUNCTION SYSTEM DESIGN MAYOR STREET UPPER / PARK LANE			
Drawing File Name	Sheet Number	Status	Rev
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