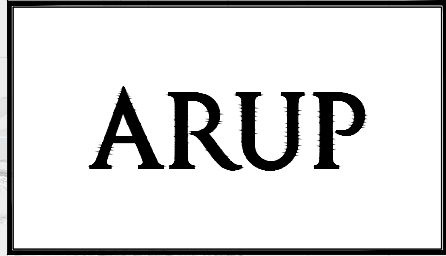


**Appendix B12**  
IW Foul Sewer Asset  
Alterations



# BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS

## BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME

DRAWING SERIES NUMBER(S)	DRAWING SERIES DESCRIPTION
BCIDC-ARP-UTL_IX-1415_XX_00-DR-CU-0002	BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME. IW FOUL SEWER ASSET ALTERATIONS. COVER SHEET
BCIDC-ARP-UTL_KP-1415_XX_00-DR-CU-0002	BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME. IW FOUL SEWER ASSET ALTERATIONS. KEY PLAN
BCIDC-ARP-UTL_UD-1415_XX_00-DR-CU-0001 to 0023	BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME. IW FOUL SEWER ASSET ALTERATIONS

I:\global\europa\Dublin\Jobs\26800\26840\1-004\Internal\4-02 Drawings\DR\BCIDC-ARP-UTL\_IX-1415\_XX\_00-DR-CU-0002.dwg

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

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

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME IW FOUL SEWER ASSET ALTERATIONS COVER SHEET			
Drawing File Name BCIDC-ARP-UTL_IX-1415_XX_00-DR-CU-0002	Sheet Number 01 of 01	Status A	Rev M01

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0 100 200 400 600 800 1000m  
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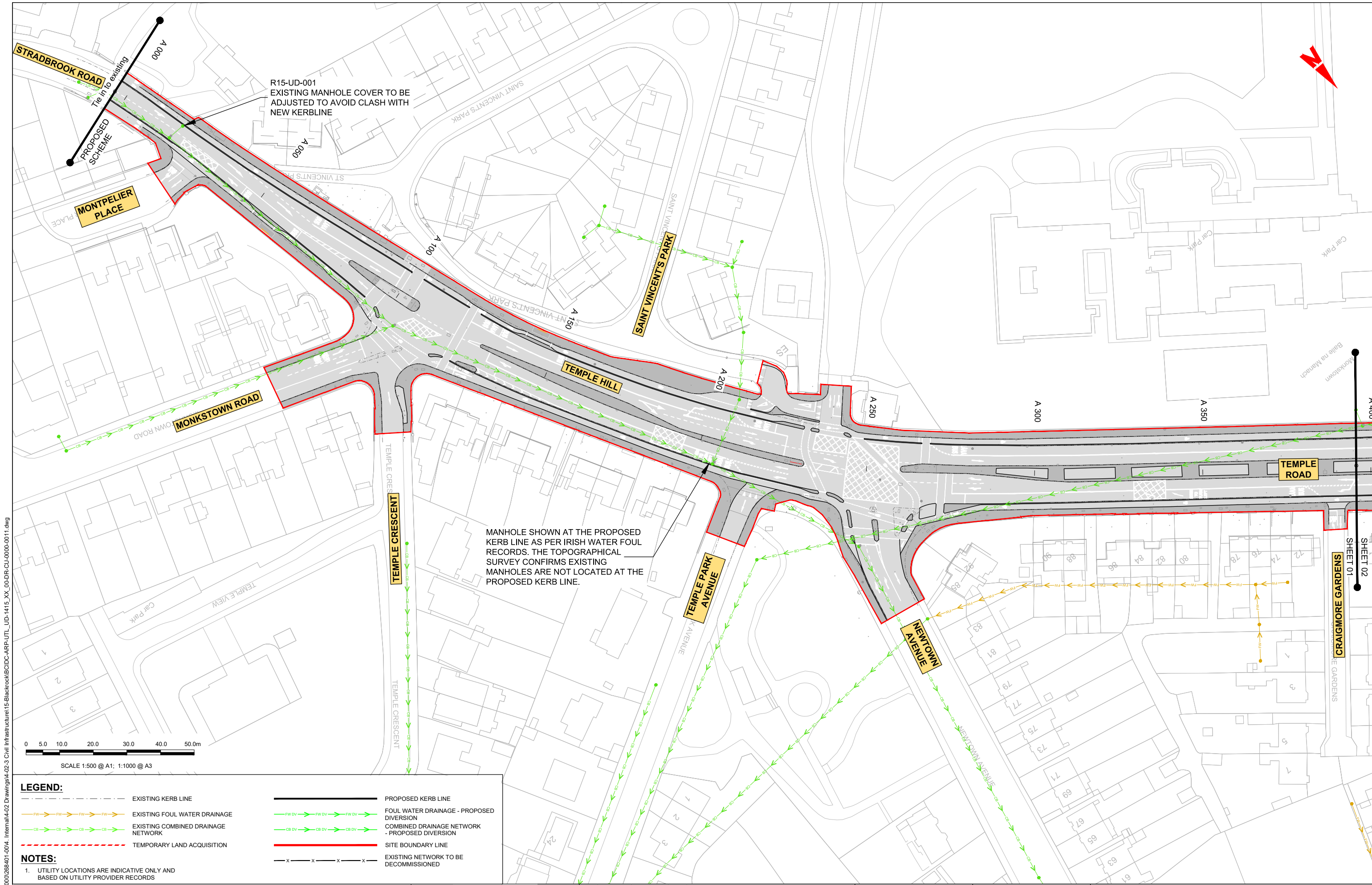
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M01	04/03/2022	AG	SW	NH	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer  
  
**ARUP**

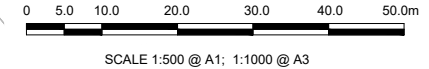
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BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS		BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME IW FOUL SEWER ASSET ALTERATIONS KEY PLAN		BCIDC-ARP-UTL_KP-1415_XX_00-DR-CU-0002		01 of 01	A	M01

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R15-UD-001  
EXISTING MANHOLE COVER TO BE  
ADJUSTED TO AVOID CLASH WITH  
NEW KERBLINE

MANHOLE SHOWN AT THE PROPOSED  
KERB LINE AS PER IRISH WATER FOUL  
RECORDS. THE TOPOGRAPHICAL  
SURVEY CONFIRMS EXISTING  
MANHOLES ARE NOT LOCATED AT THE  
PROPOSED KERB LINE.



LEGEND:	
	EXISTING KERB LINE
	PROPOSED KERB LINE
	EXISTING FOUL WATER DRAINAGE
	FOUL WATER DRAINAGE - PROPOSED DIVERSION
	EXISTING COMBINED DRAINAGE NETWORK
	COMBINED DRAINAGE NETWORK - PROPOSED DIVERSION
	TEMPORARY LAND ACQUISITION
	SITE BOUNDARY LINE
	EXISTING NETWORK TO BE DECOMMISSIONED

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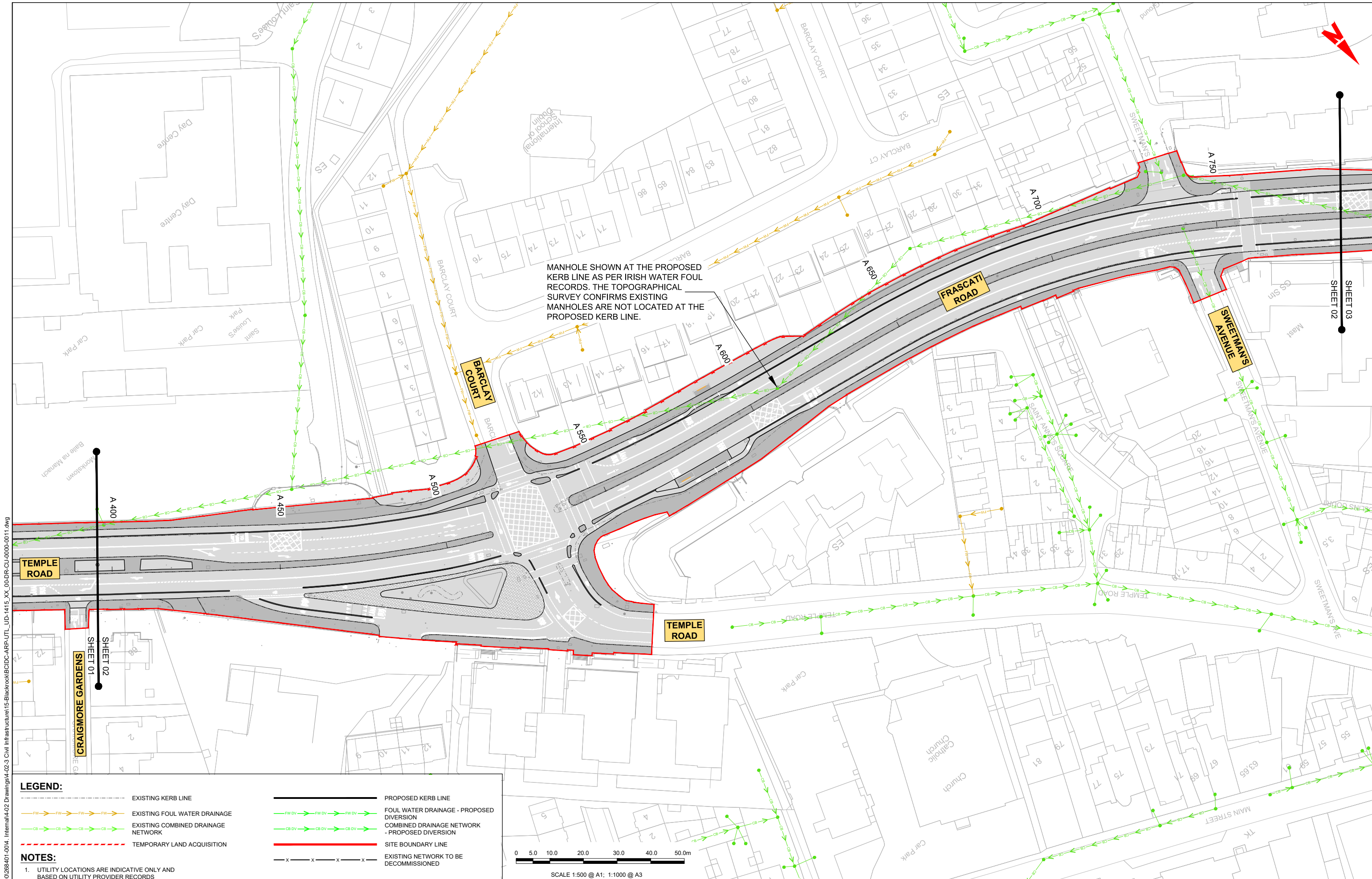
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Client <b>NTA</b> Údarás Náisiúnta Iompair National Transport Authority		Engineering Designer <b>ARUP</b>		
Date 04/03/2022	Scale 1:500 @ A1 1:1000 @ A3	Drawn AG	Checked SW	Approved NH
Project Code BCIDC	Originator Code ARP	QMS Code 268401-00		

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME IW FOUL SEWER ASSET ALTERATIONS				
Drawing File Name BCIDC-ARP-UTL_UD-1415_XX_00-DR-CU-0001	Sheet Number 01 of 23	Status A	Rev M01	

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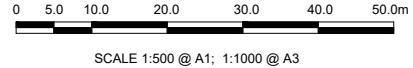


MANHOLE SHOWN AT THE PROPOSED KERB LINE AS PER IRISH WATER FOUL RECORDS. THE TOPOGRAPHICAL SURVEY CONFIRMS EXISTING MANHOLES ARE NOT LOCATED AT THE PROPOSED KERB LINE.

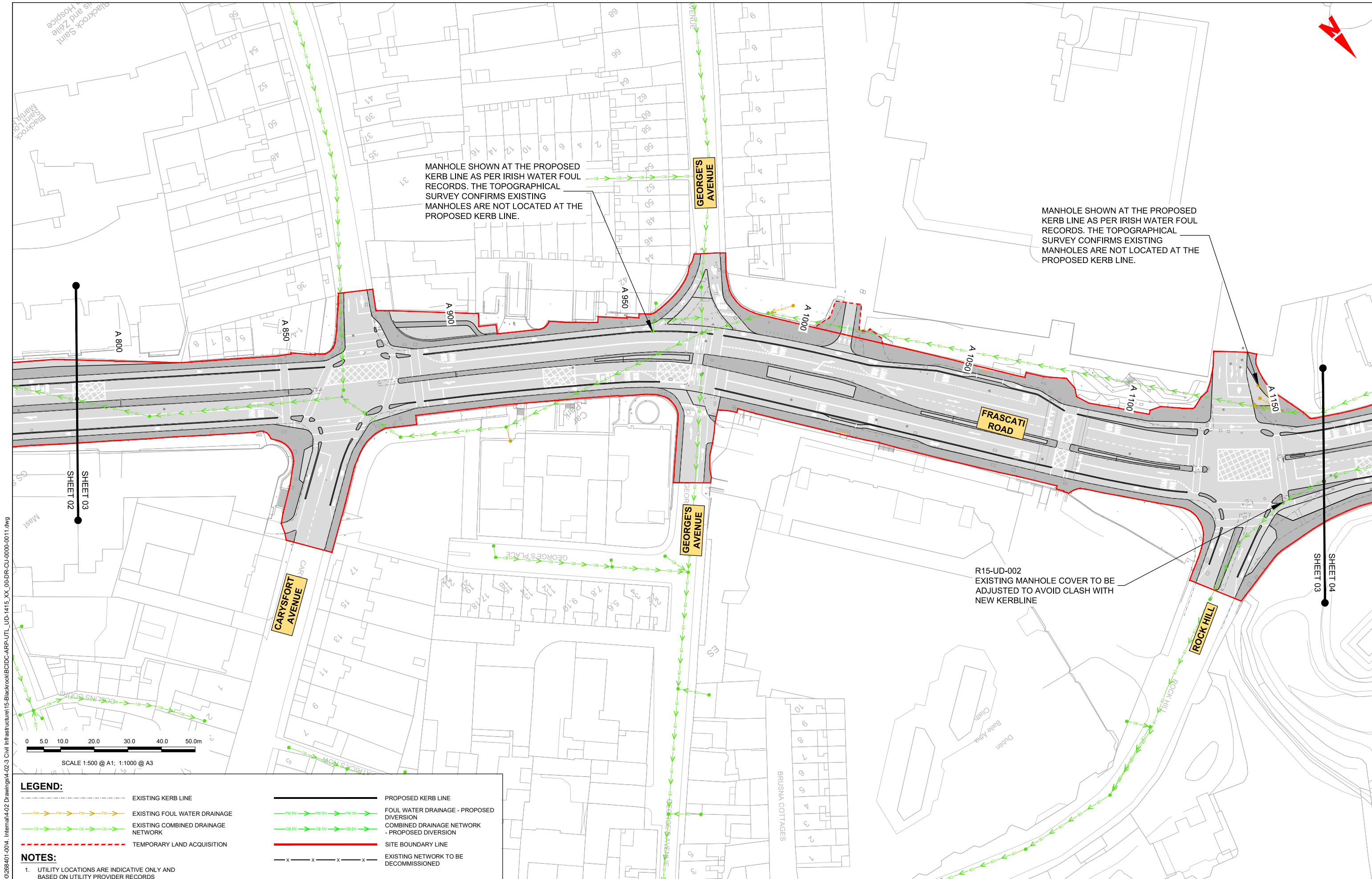
**LEGEND:**

	EXISTING KERB LINE		PROPOSED KERB LINE
	EXISTING FOUL WATER DRAINAGE		FOUL WATER DRAINAGE - PROPOSED DIVERSION
	EXISTING COMBINED DRAINAGE NETWORK		COMBINED DRAINAGE NETWORK - PROPOSED DIVERSION
	TEMPORARY LAND ACQUISITION		EXISTING NETWORK TO BE DECOMMISSIONED

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MANHOLE SHOWN AT THE PROPOSED KERB LINE AS PER IRISH WATER FOUL RECORDS. THE TOPOGRAPHICAL SURVEY CONFIRMS EXISTING MANHOLES ARE NOT LOCATED AT THE PROPOSED KERB LINE.

MANHOLE SHOWN AT THE PROPOSED KERB LINE AS PER IRISH WATER FOUL RECORDS. THE TOPOGRAPHICAL SURVEY CONFIRMS EXISTING MANHOLES ARE NOT LOCATED AT THE PROPOSED KERB LINE.

R15-UD-002 EXISTING MANHOLE COVER TO BE ADJUSTED TO AVOID CLASH WITH NEW KERBLINE

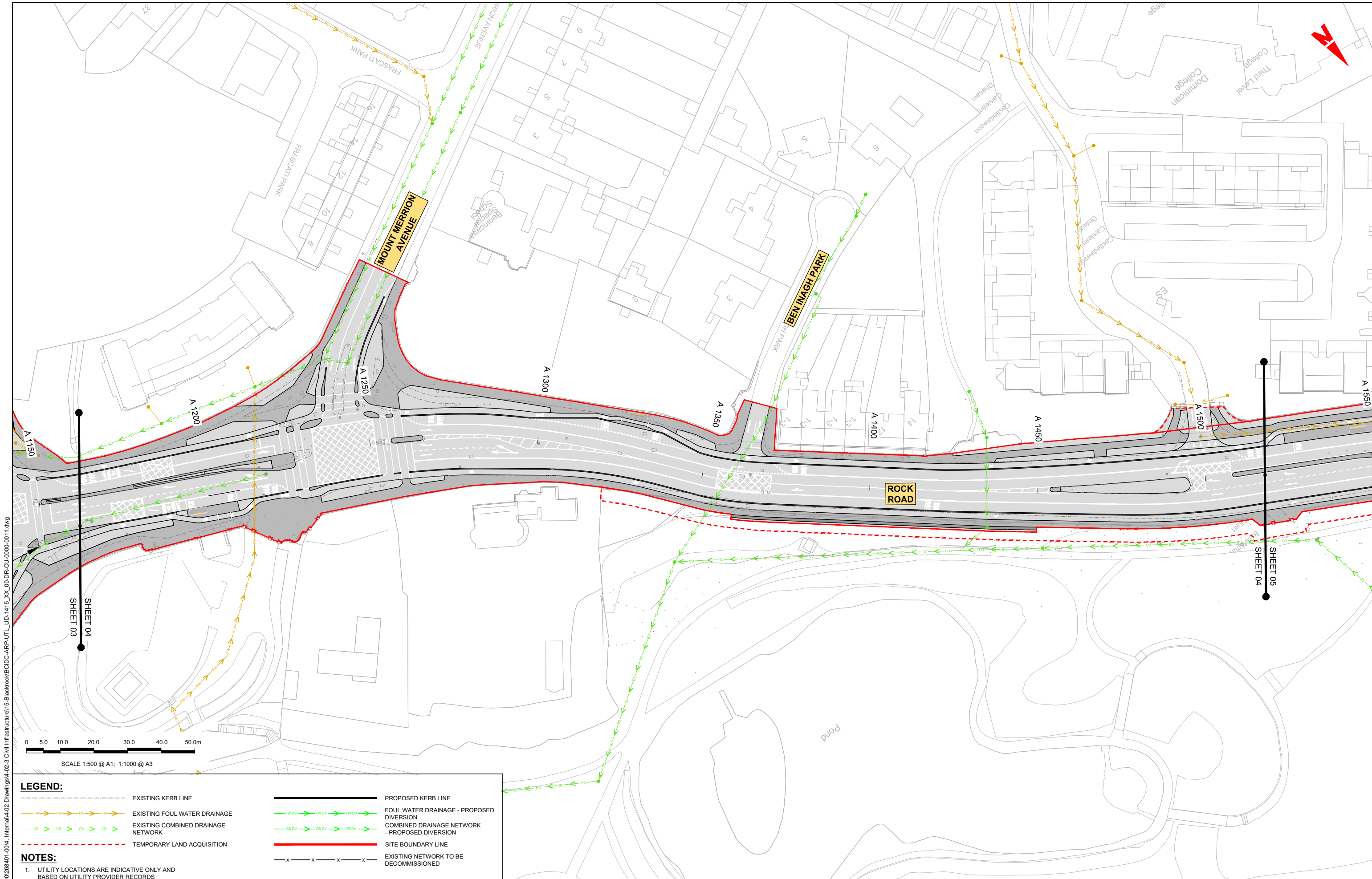
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	PROPOSED KERB LINE
	EXISTING FOUL WATER DRAINAGE
	FOUL WATER DRAINAGE - PROPOSED DIVERSION
	EXISTING COMBINED DRAINAGE NETWORK
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	TEMPORARY LAND ACQUISITION
	SITE BOUNDARY LINE
	EXISTING NETWORK TO BE DECOMMISSIONED

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<p>Date 04/03/2022 Scale 1:500 @ A1 1:1000 @ A3</p>		<p>Drawn AG Checked SW Approved NH</p>		<p>Project Code BCIDC Originator Code ARP QMS Code 268401-00</p>			<p>Drawing File Name BCIDC-ARP-UTL_UD-1415_XX_00-DR-CU-0003 Sheet Number 03 of 23 Status A Rev M01</p>				

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LEGEND:	
	EXISTING KERB LINE
	EXISTING FOUL WATER DRAINAGE
	EXISTING COMBINED DRAINAGE NETWORK
	TEMPORARY LAND ACQUISITION
	PROPOSED KERB LINE
	FOUL WATER DRAINAGE - PROPOSED DIVERSION
	COMBINED DRAINAGE NETWORK - PROPOSED DIVERSION
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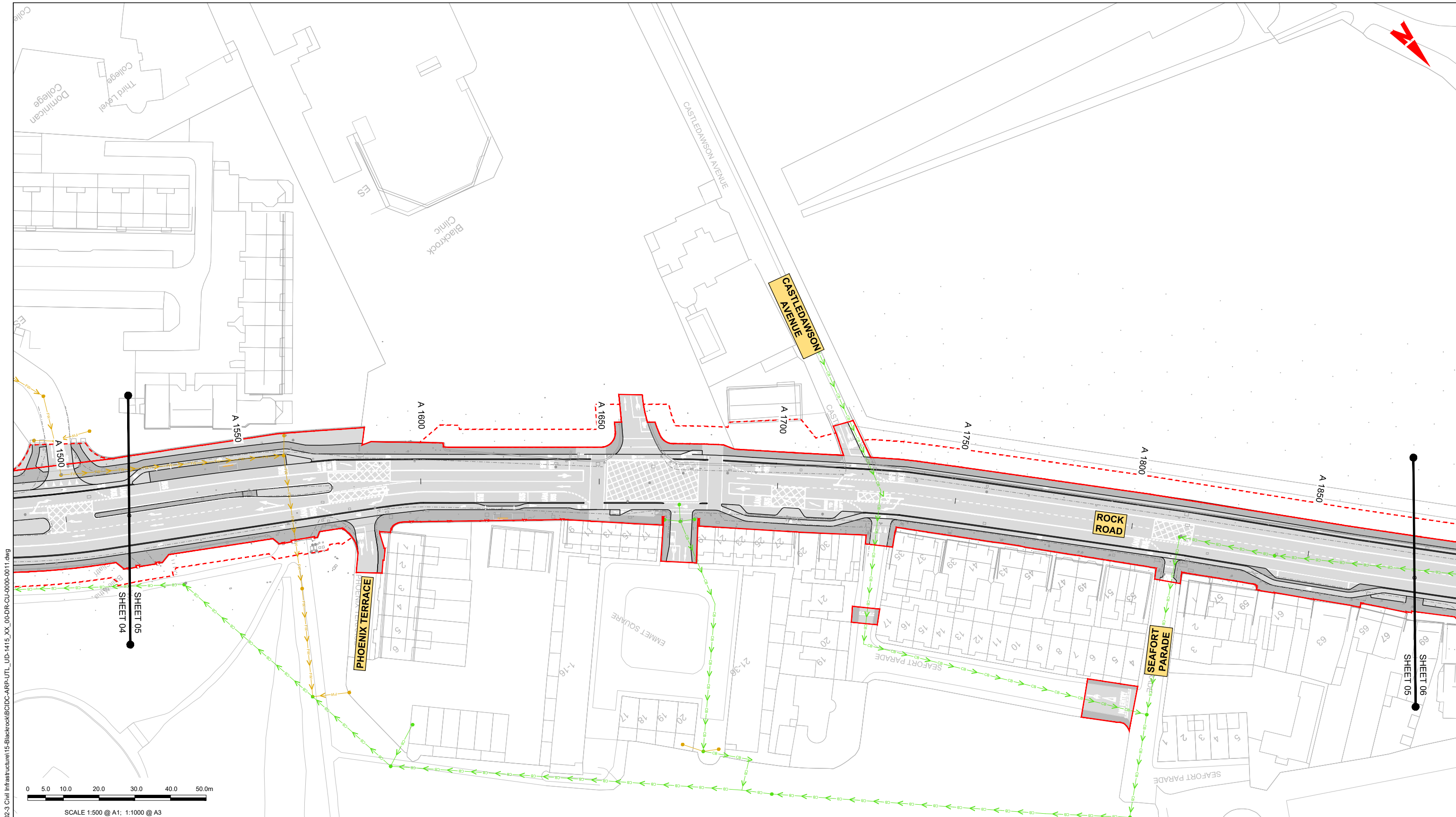
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Client <b>NTA</b> Údarás Náisiúnta Iompair National Transport Authority		Engineering Designer <b>ARUP</b>		
Date 04/03/2022	Scale 1:500 @ A1 1:1000 @ A3	Drawn AG	Checked SW	Approved NH
Project Code BCIDC	Originator Code ARP	QMS Code 268401-00		

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Drawing File Name BCIDC-ARP-UTL_UD-1415_XX_00-DR-CU-0004	Sheet Number 04 of 23	Status A	Rev M01	

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**LEGEND:**

	EXISTING KERB LINE		PROPOSED KERB LINE
	EXISTING FOUL WATER DRAINAGE		FOUL WATER DRAINAGE - PROPOSED DIVERSION
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\global\europa\Dublin\Jobs\268600\0268600\0268600-02-3 Civil Infrastructure\15-Blackrock\BCIDC-ARP-UTL\_UD-1415\_XX\_00-DR-CU-0000-0011.dwg  
 Internal:4-02 Drawings:4-02-3 Civil Infrastructure\15-Blackrock\BCIDC-ARP-UTL\_UD-1415\_XX\_00-DR-CU-0000-0011.dwg

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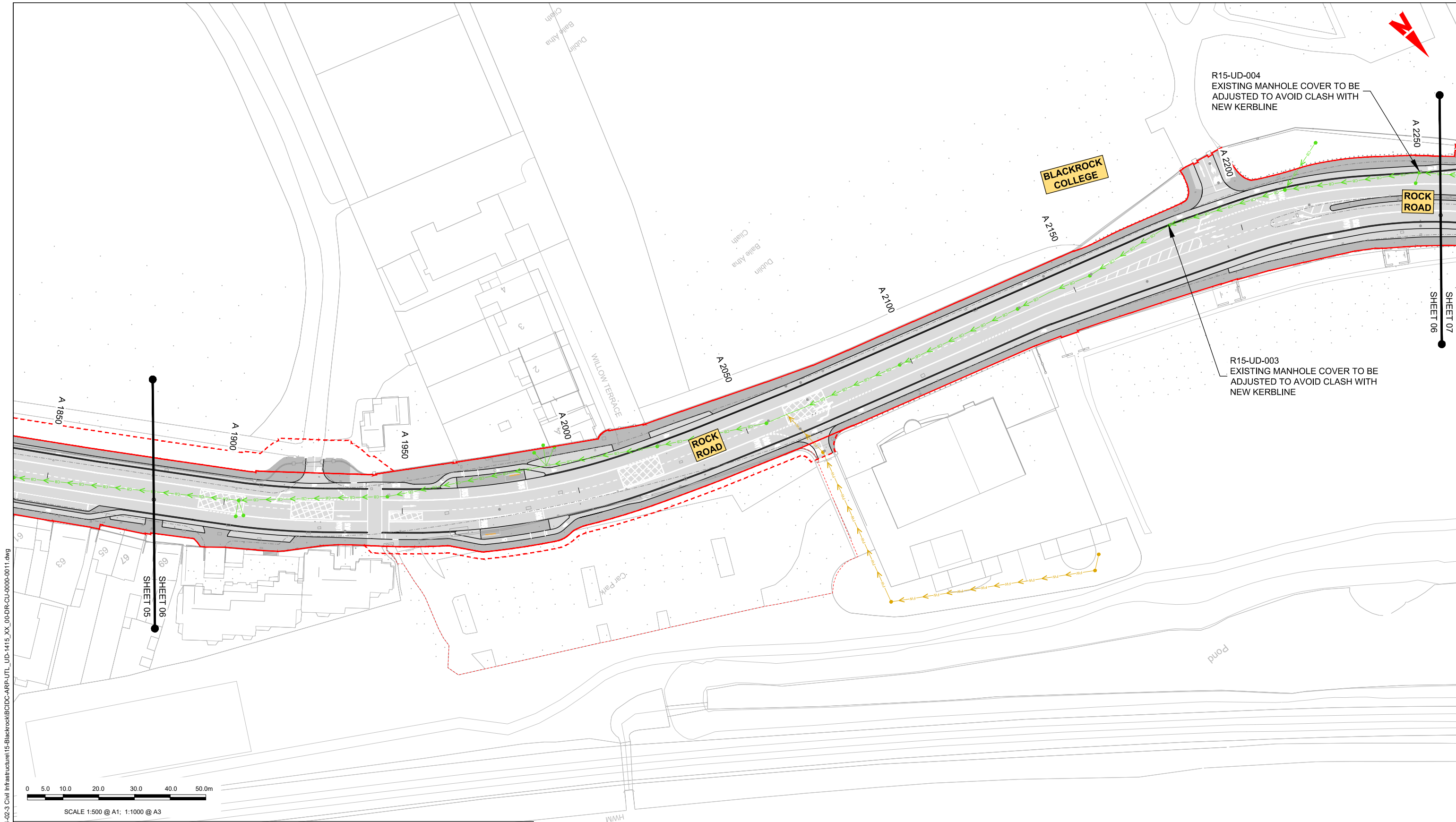
Rev	Date	Drn	Chk'd	App'd	Description
M01	04/03/2022	AG	SW	NH	ISSUE FOR PHASE 4: PLANNING

Client		Engineering Designer		
 Údarás Náisiúnta Iompair National Transport Authority				
Date	Scale	Drawn	Checked	Approved
04/03/2022	1:500 @ A1 1:1000 @ A3	AG	SW	NH
Project Code	Originator Code	QMS Code		
BCIDC	ARP	268401-00		

Programme Title				
BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title				
BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME IW FOUL SEWER ASSET ALTERATIONS				
Drawing File Name		Sheet Number	Status	Rev
BCIDC-ARP-UTL_UD-1415_XX_00-DR-CU-0005		05 of 23	A	M01

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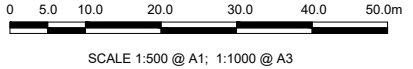




SHEET 07

SHEET 05

SHEET 06



LEGEND:	
	EXISTING KERB LINE
	PROPOSED KERB LINE
	EXISTING FOUL WATER DRAINAGE
	FOUL WATER DRAINAGE - PROPOSED DIVERSION
	EXISTING COMBINED DRAINAGE NETWORK
	COMBINED DRAINAGE NETWORK - PROPOSED DIVERSION
	TEMPORARY LAND ACQUISITION
	SITE BOUNDARY LINE
	EXISTING NETWORK TO BE DECOMMISSIONED

**NOTES:**

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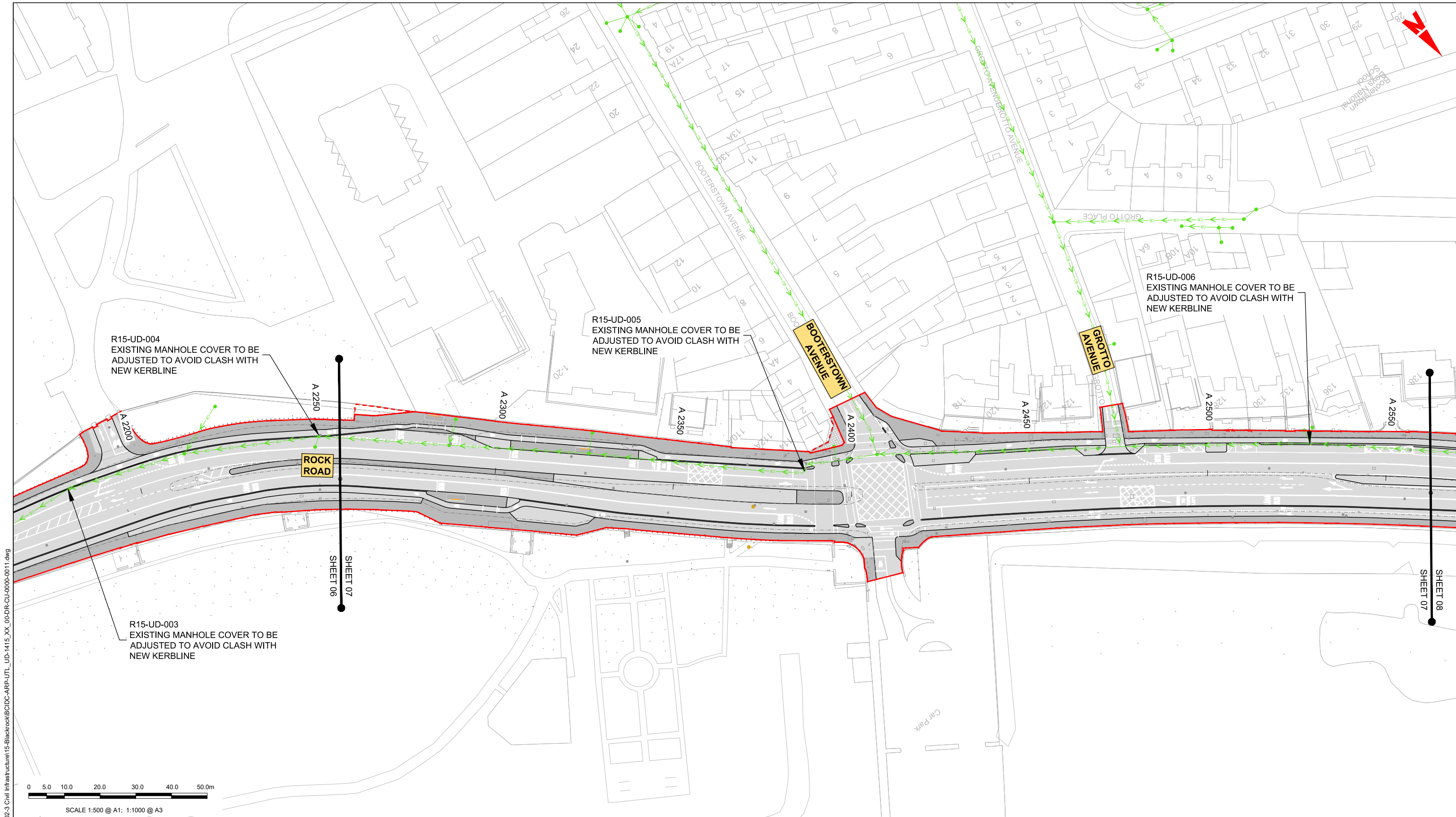
Rev	Date	Drm	Chk'd	App'd	Description
M01	04/03/2022	AG	SW	NH	ISSUE FOR PHASE 4: PLANNING

Client

Engineering Designer

Programme Title				
BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title				
BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME IW FOUL SEWER ASSET ALTERATIONS				
Drawing File Name		Sheet Number	Status	Rev
BCIDC-ARP-UTL_UD-1415_XX_00-DR-CU-0006		06 of 23	A	M01

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**LEGEND:**

- EXISTING KERB LINE
- PROPOSED KERB LINE
- EXISTING FOUL WATER DRAINAGE
- FOUL WATER DRAINAGE - PROPOSED DIVERSION
- EXISTING COMBINED DRAINAGE NETWORK
- COMBINED DRAINAGE NETWORK - PROPOSED DIVERSION
- TEMPORARY LAND ACQUISITION
- SITE BOUNDARY LINE
- EXISTING NETWORK TO BE DECOMMISSIONED

**NOTES:**

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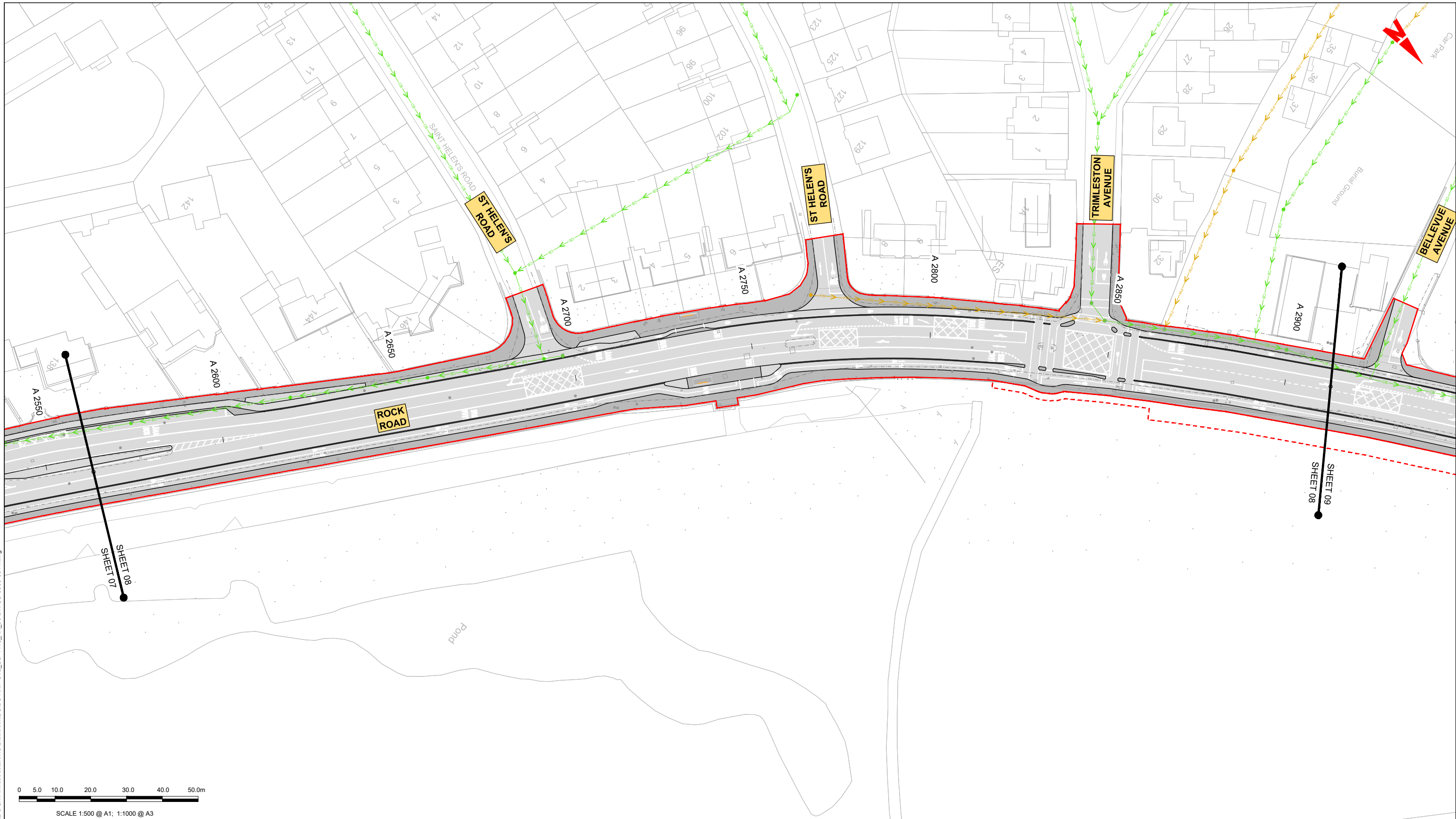


Rev	Date	Drn	Chk'd	App'd	Description
M01	04/03/2022	AG	SW	NH	ISSUE FOR PHASE 4: PLANNING

Client <b>NTA</b> Údarás Náisiúnta Iompair National Transport Authority		Engineering Designer <b>ARUP</b>		
Date 04/03/2022	Scale 1:500 @ A1 1:1000 @ A3	Drawn AG	Checked SW	Approved NH
Project Code BCIDC	Originator Code ARP	QMS Code 268401-00		

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME IW FOUL SEWER ASSET ALTERATIONS				
Drawing File Name BCIDC-ARP-UTL_UD-1415_XX_00-DR-CU-0007	Sheet Number 07 of 23	Status A	Rev M01	

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**LEGEND:**

	EXISTING KERB LINE		PROPOSED KERB LINE
	EXISTING FOUL WATER DRAINAGE		FOUL WATER DRAINAGE - PROPOSED DIVERSION
	EXISTING COMBINED DRAINAGE NETWORK		COMBINED DRAINAGE NETWORK - PROPOSED DIVERSION
	TEMPORARY LAND ACQUISITION		SITE BOUNDARY LINE
	EXISTING NETWORK TO BE DECOMMISSIONED		

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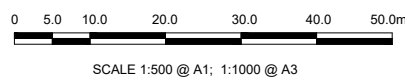
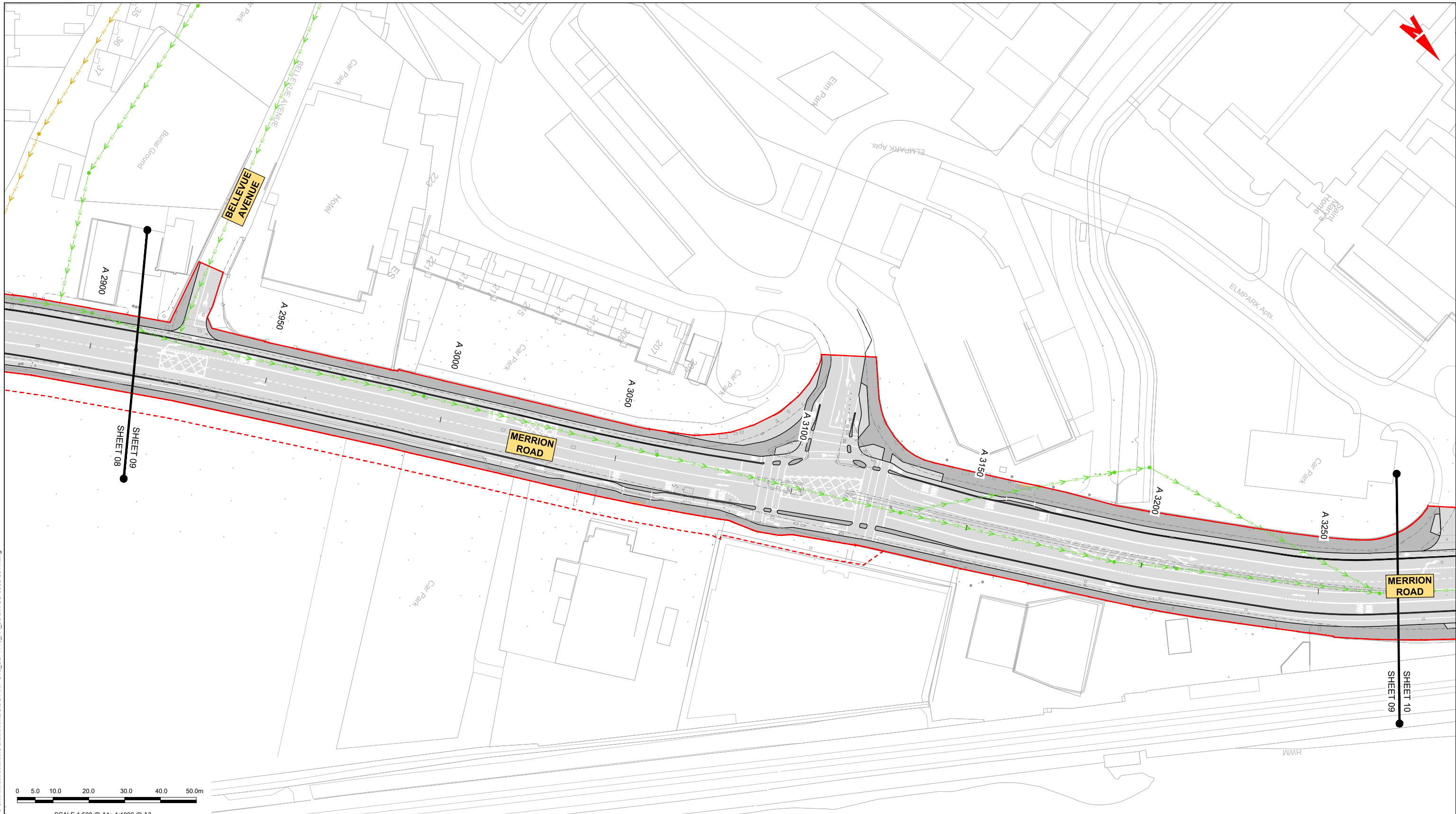
Rev	Date	Drm	Chk'd	App'd	Description
M01	04/03/2022	AG	SW	NH	ISSUE FOR PHASE 4: PLANNING

Client <b>NTA</b> Údarás Náisiúnta Iompair National Transport Authority		Engineering Designer <b>ARUP</b>		
Date 04/03/2022	Scale 1:500 @ A1 1:1000 @ A3	Drawn AG	Checked SW	Approved NH
Project Code BCIDC	Originator Code ARP	QMS Code 268401-00		

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME IW FOUL SEWER ASSET ALTERATIONS				
Drawing File Name BCIDC-ARP-UTL_UD-1415_XX_00-DR-CU-0008	Sheet Number 08 of 23	Status A	Rev M01	

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**LEGEND:**

	EXISTING KERB LINE		PROPOSED KERB LINE
	EXISTING FOUL WATER DRAINAGE		FOUL WATER DRAINAGE - PROPOSED DIVERSION
	EXISTING COMBINED DRAINAGE NETWORK		COMBINED DRAINAGE NETWORK - PROPOSED DIVERSION
	TEMPORARY LAND ACQUISITION		SITE BOUNDARY LINE
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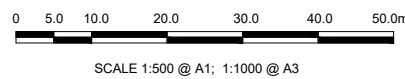
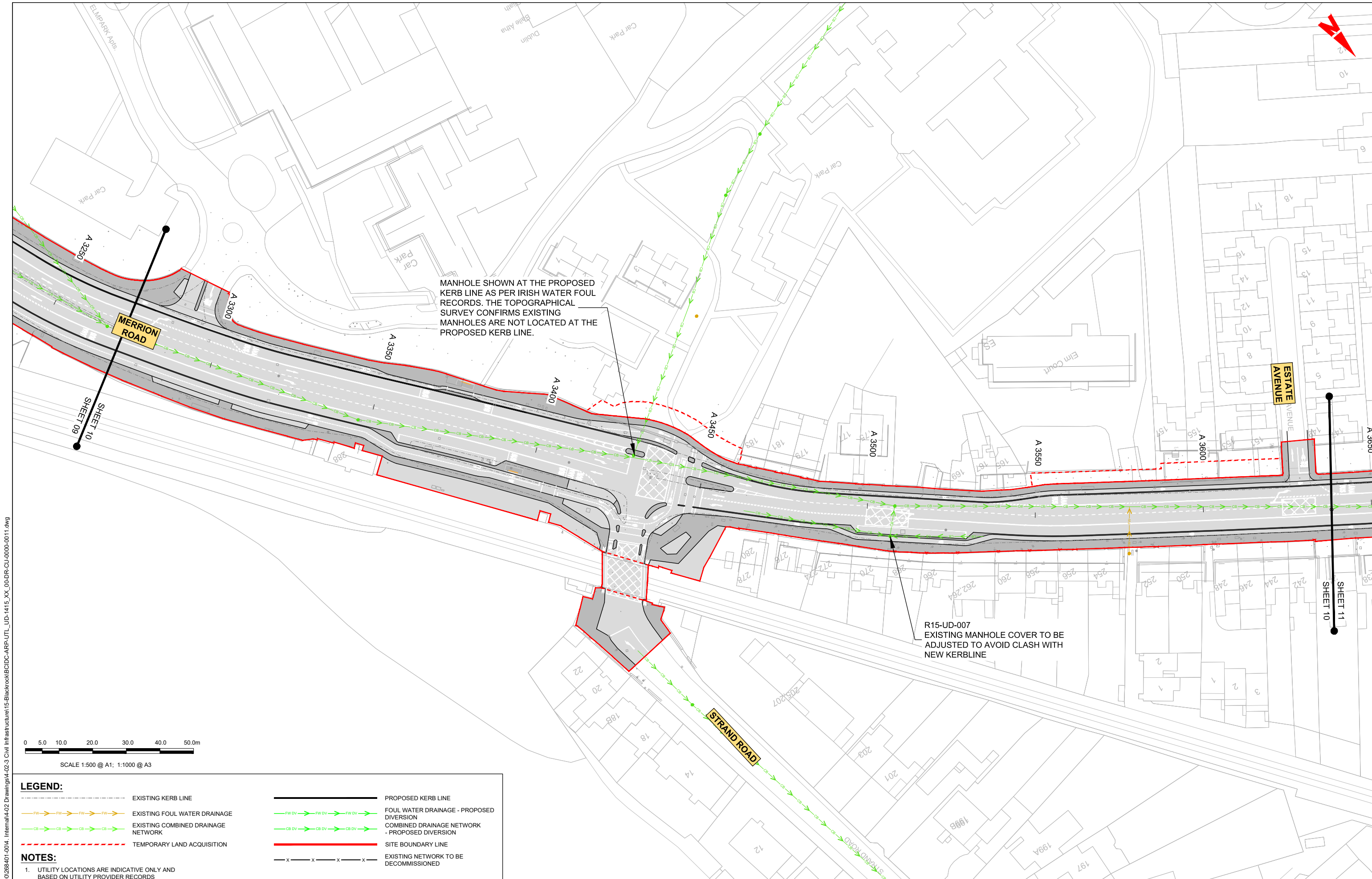
Rev	Date	Drm	Chk'd	App'd	Description
M01	04/03/2022	AG	SW	NH	ISSUE FOR PHASE 4: PLANNING

Client <b>NTA</b> Údarás Náisiúnta Iompair National Transport Authority		Engineering Designer <b>ARUP</b>		
Date 04/03/2022	Scale 1:500 @ A1 1:1000 @ A3	Drawn AG	Checked SW	Approved NH
Project Code BCIDC	Originator Code ARP	QMS Code 268401-00		

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME IW FOUL SEWER ASSET ALTERATIONS			
Drawing File Name BCIDC-ARP-UTL_UD-1415_XX_00-DR-CU-0009	Sheet Number 09 of 23	Status A	Rev M01

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**LEGEND:**

	EXISTING KERB LINE		PROPOSED KERB LINE
	EXISTING FOUL WATER DRAINAGE		FOUL WATER DRAINAGE - PROPOSED DIVERSION
	EXISTING COMBINED DRAINAGE NETWORK		COMBINED DRAINAGE NETWORK - PROPOSED DIVERSION
	TEMPORARY LAND ACQUISITION		SITE BOUNDARY LINE
	EXISTING NETWORK TO BE DECOMMISSIONED		

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

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

Date: 04/03/2022 | Scale: 1:500 @ A1, 1:1000 @ A3

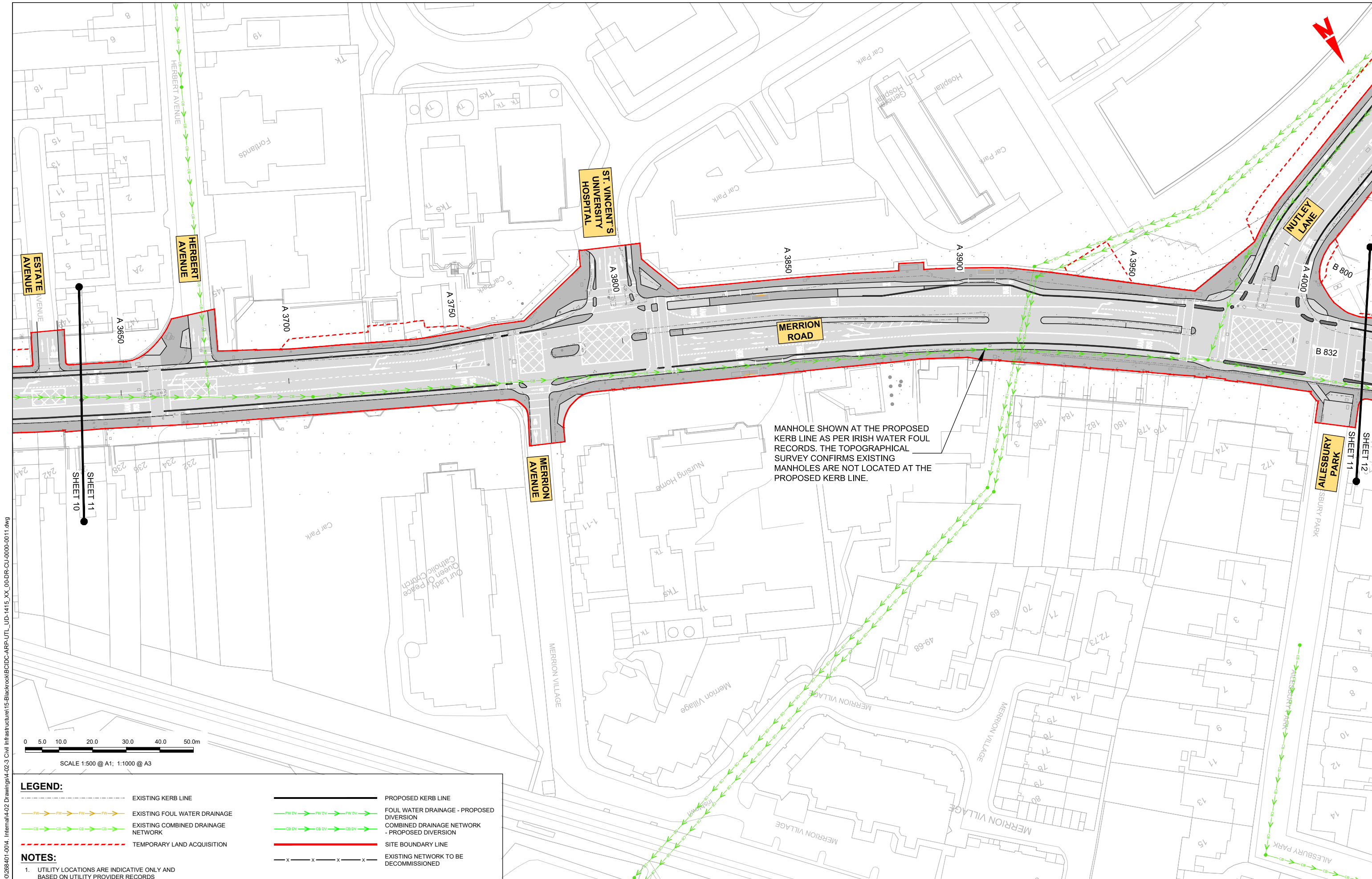
Engineering Designer: **ARUP**

Drawn: AG | Checked: SW | Approved: NH

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

Programme Title: <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title: BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME IW FOUL SEWER ASSET ALTERATIONS			
Drawing File Name: BCIDC-ARP-UTL_UD-1415_XX_00-DR-CU-0010	Sheet Number: 10 of 23	Status: A	Rev: M01

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**LEGEND:**

- EXISTING KERB LINE
- PROPOSED KERB LINE
- EXISTING FOUL WATER DRAINAGE
- FOUL WATER DRAINAGE - PROPOSED DIVERSION
- EXISTING COMBINED DRAINAGE NETWORK
- COMBINED DRAINAGE NETWORK - PROPOSED DIVERSION
- TEMPORARY LAND ACQUISITION
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Rev	Date	Drm	Chk'd	App'd	Description
M01	04/03/2022	AG	SW	NH	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **ARUP**

Date: 04/03/2022  
 Scale: 1:500 @ A1  
 1:1000 @ A3

Drawn: AG  
 Checked: SW  
 Approved: NH

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

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

Drawing Title: BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME IW FOUL SEWER ASSET ALTERATIONS

Drawing File Name: BCIDC-ARP-UTL\_UD-1415\_XX\_00-DR-CU-0011

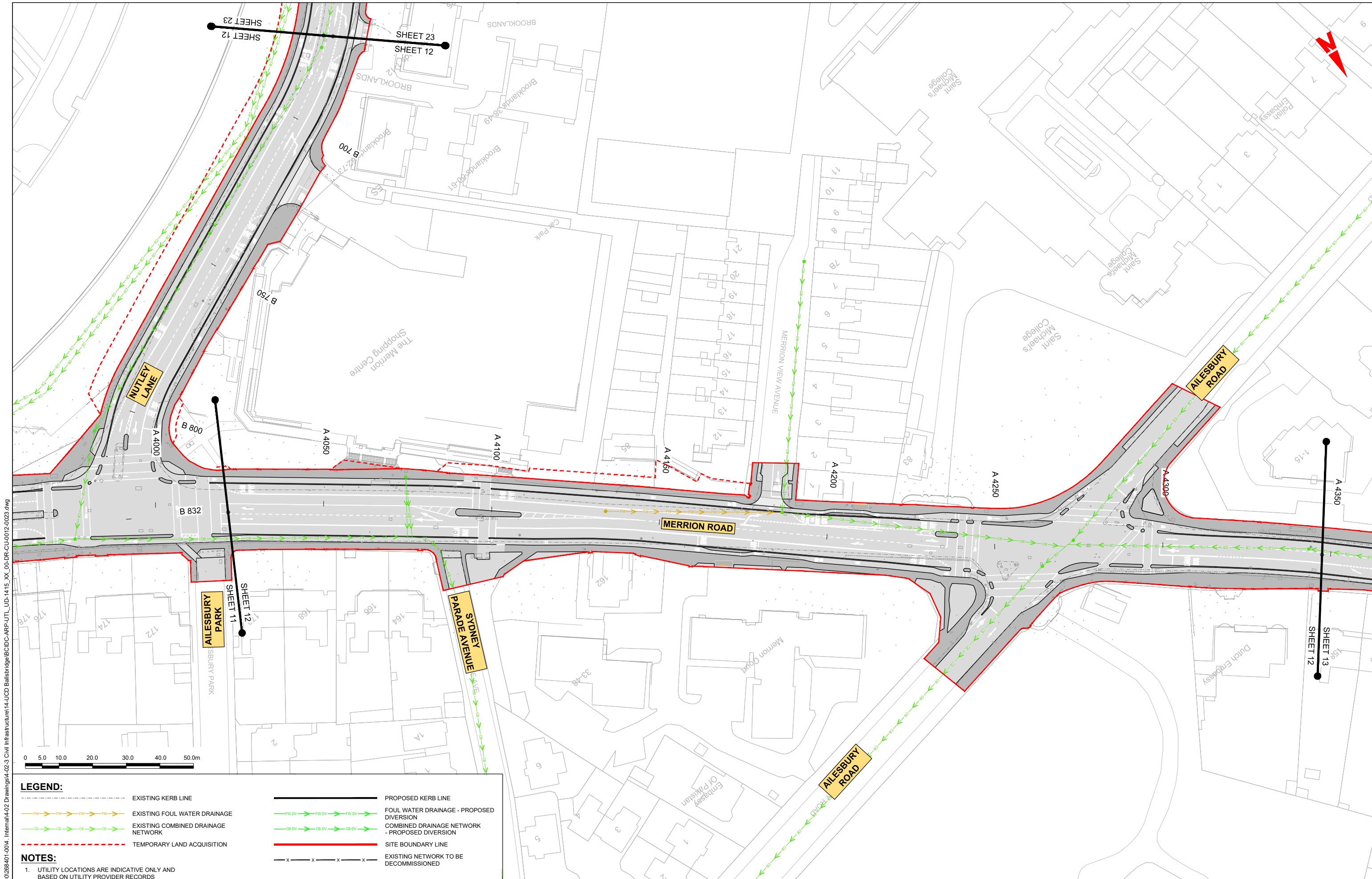
Sheet Number: 11 of 23

Status: A

Rev: M01

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	EXISTING KERB LINE		PROPOSED KERB LINE
	EXISTING FOUL WATER DRAINAGE		FOUL WATER DRAINAGE - PROPOSED DIVERSION
	EXISTING COMBINED DRAINAGE NETWORK		COMBINED DRAINAGE NETWORK - PROPOSED DIVERSION
	TEMPORARY LAND ACQUISITION		SITE BOUNDARY LINE
			EXISTING NETWORK TO BE DECOMMISSIONED

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Rev	Date	Dm	Chk'd	App'd	Description
M01	04/03/2022	AG	SW	BB	ISSUE FOR PHASE 4: PLANNING

Client  
  
 Údarás Náisiúnta Iompair  
 National Transport Authority

Engineering Designer  
  
 Drawn AG  
 Checked SW  
 Approved BB

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

Drawing Title  
 BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME  
 IW FOUL SEWER ASSET ALTERATIONS

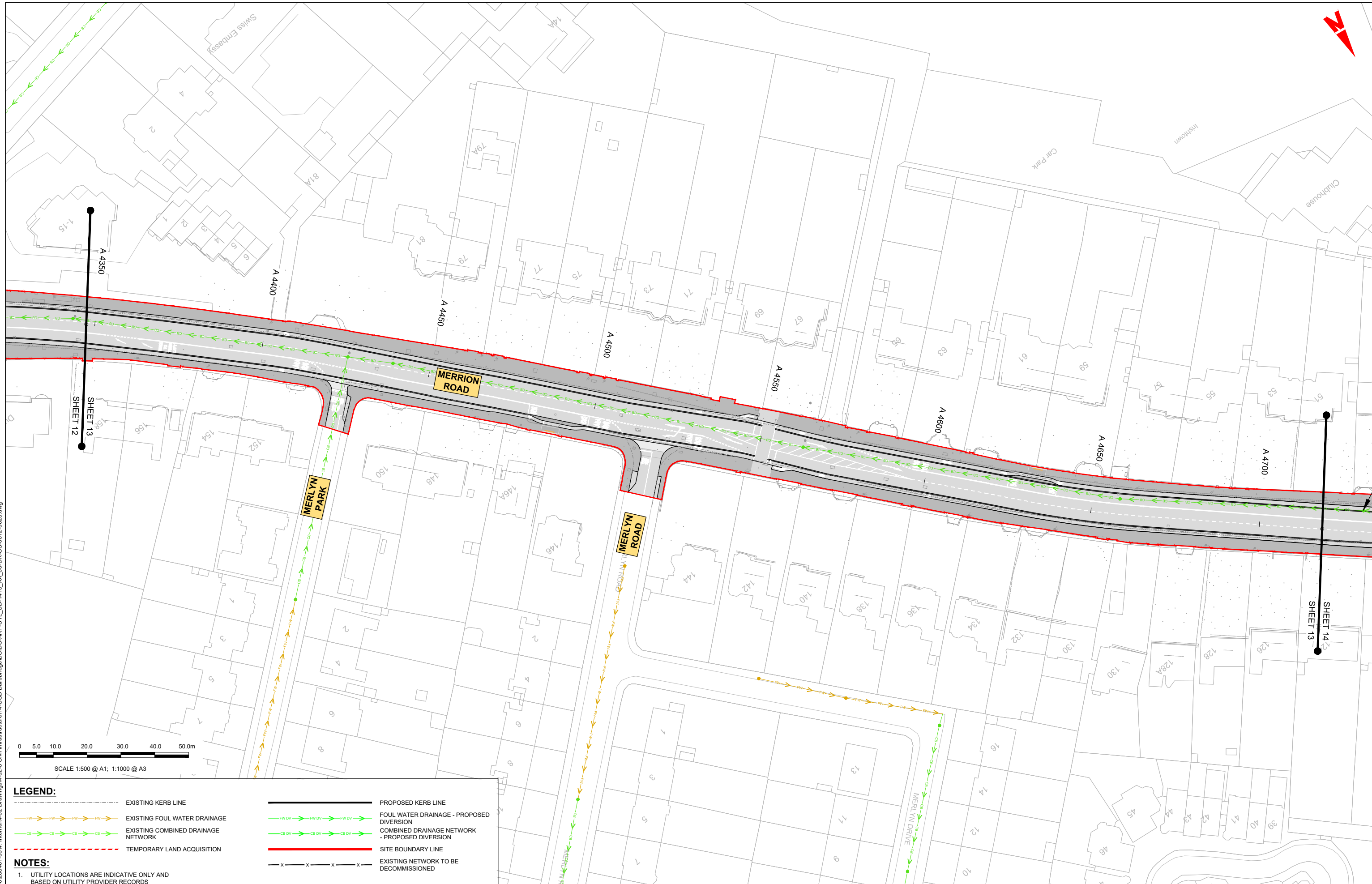
Drawing File Name  
 BCIDC-ARP-UTL\_UD-1415\_XX\_00-DR-CU-0012

Sheet Number  
 12 of 23

Status  
 A

Rev  
 M01

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**LEGEND:**

	EXISTING KERB LINE		PROPOSED KERB LINE
	EXISTING FOUL WATER DRAINAGE		FOUL WATER DRAINAGE - PROPOSED DIVERSION
	EXISTING COMBINED DRAINAGE NETWORK		COMBINED DRAINAGE NETWORK - PROPOSED DIVERSION
	TEMPORARY LAND ACQUISITION		SITE BOUNDARY LINE
	EXISTING NETWORK TO BE DECOMMISSIONED		

**NOTES:**  
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Rev	Date	Drn	Chk'd	App'd	Description
M01	04/03/2022	AG	SW	BB	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **ARUP**

Date	Scale	Drawn	Checked	Approved
04/03/2022	1:500 @ A1 1:1000 @ A3	AG	SW	BB

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

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

Drawing Title: BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME  
 IW FOUL SEWER ASSET ALTERATIONS

Drawing File Name	Sheet Number	Status	Rev
BCIDC-ARP-UTL_UD-1415_XX_00-DR-CU-0013	13 of 23	A	M01

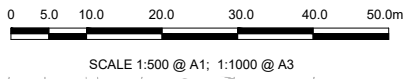
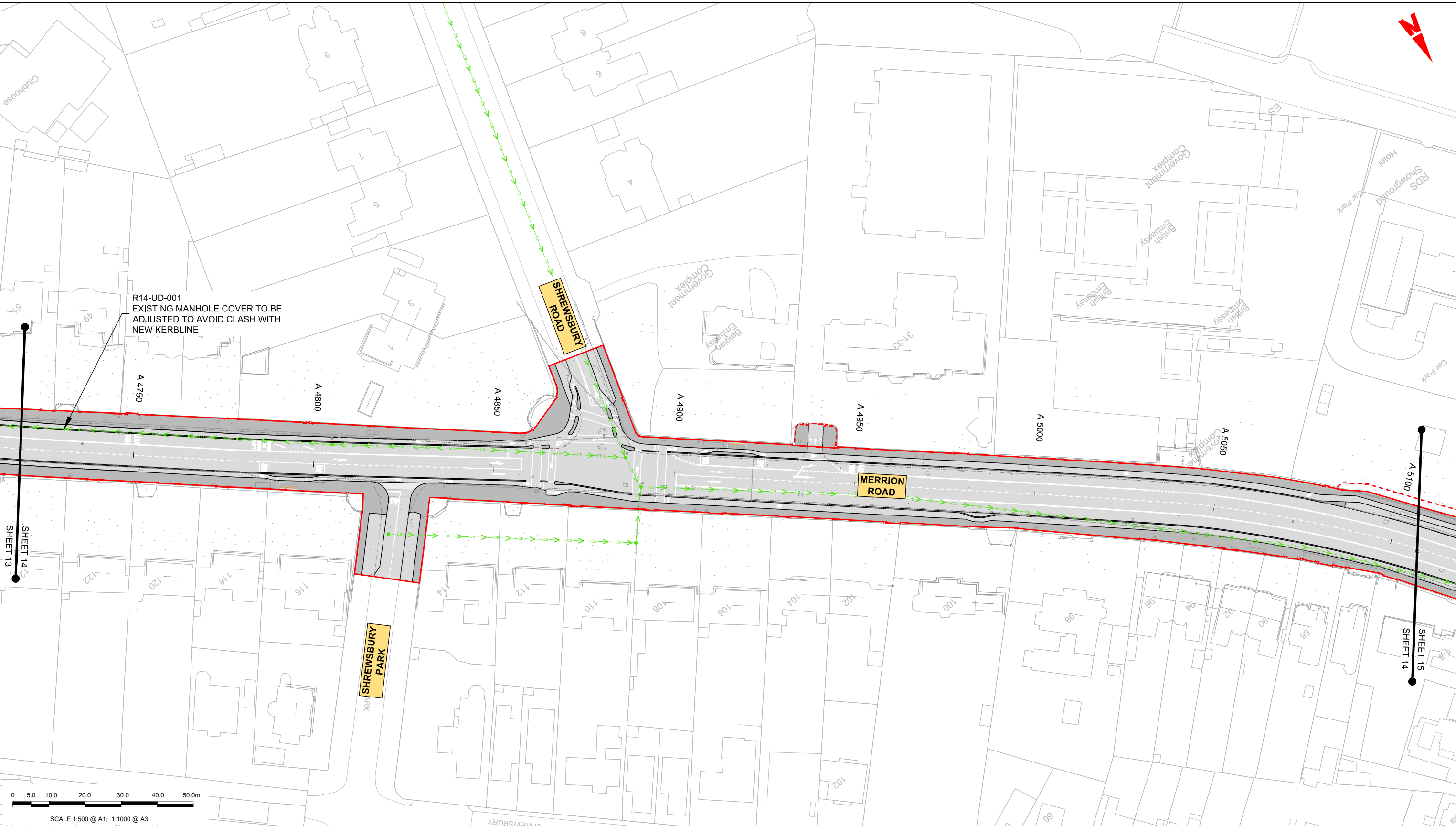
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R14-UD-001  
EXISTING MANHOLE COVER TO BE  
ADJUSTED TO AVOID CLASH WITH  
NEW KERBLINE



LEGEND:	
	EXISTING KERB LINE
	EXISTING FOUL WATER DRAINAGE
	EXISTING COMBINED DRAINAGE NETWORK
	TEMPORARY LAND ACQUISITION
	PROPOSED KERB LINE
	FOUL WATER DRAINAGE - PROPOSED DIVERSION
	COMBINED DRAINAGE NETWORK - PROPOSED DIVERSION
	SITE BOUNDARY LINE
	EXISTING NETWORK TO BE DECOMMISSIONED

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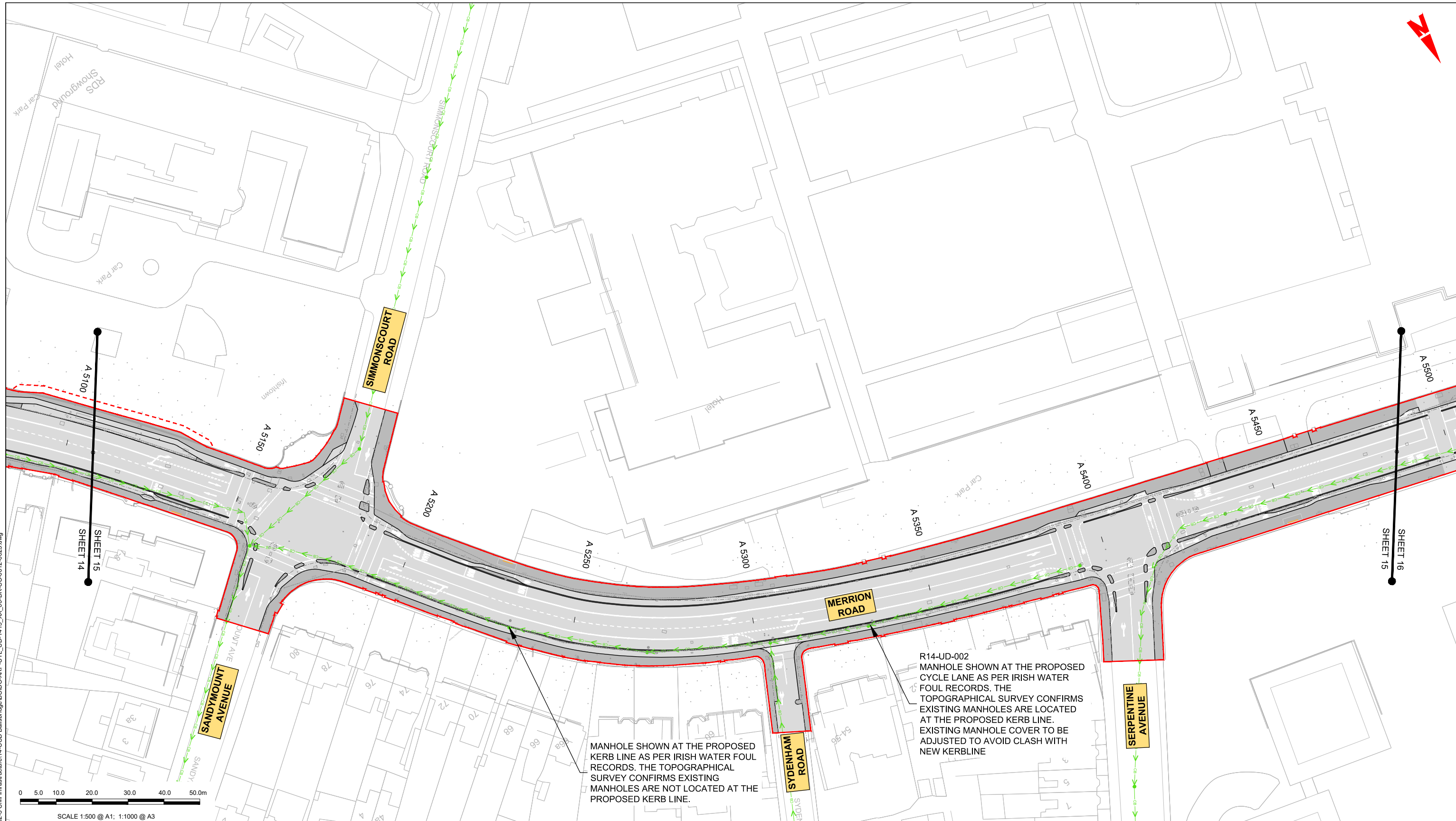
Rev	Date	Drm	Chk'd	App'd	Description
M01	04/03/2022	AG	SW	BB	ISSUE FOR PHASE 4: PLANNING

Client <b>NTA</b> Údarás Náisiúnta Iompair National Transport Authority		Engineering Designer <b>ARUP</b>		
Date 04/03/2022	Scale 1:500 @ A1 1:1000 @ A3	Drawn AG	Checked SW	Approved BB
Project Code BCIDC	Originator Code ARP	QMS Code 268401-00		

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME IW FOUL SEWER ASSET ALTERATIONS				
Drawing File Name BCIDC-ARP-UTL_UD-1415_XX_00-DR-CU-0014	Sheet Number 14 of 23	Status A	Rev M01	

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MANHOLE SHOWN AT THE PROPOSED KERB LINE AS PER IRISH WATER FOUL RECORDS. THE TOPOGRAPHICAL SURVEY CONFIRMS EXISTING MANHOLES ARE NOT LOCATED AT THE PROPOSED KERB LINE.

R14-UD-002 MANHOLE SHOWN AT THE PROPOSED CYCLE LANE AS PER IRISH WATER FOUL RECORDS. THE TOPOGRAPHICAL SURVEY CONFIRMS EXISTING MANHOLES ARE LOCATED AT THE PROPOSED KERB LINE. EXISTING MANHOLE COVER TO BE ADJUSTED TO AVOID CLASH WITH NEW KERBLINE

**LEGEND:**

	EXISTING KERB LINE		PROPOSED KERB LINE
	EXISTING FOUL WATER DRAINAGE		FOUL WATER DRAINAGE - PROPOSED DIVERSION
	EXISTING COMBINED DRAINAGE NETWORK		COMBINED DRAINAGE NETWORK - PROPOSED DIVERSION
	TEMPORARY LAND ACQUISITION		EXISTING NETWORK TO BE DECOMMISSIONED

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Rev	Date	Dm	Chk'd	App'd	Description
M01	04/03/2022	AG	SW	BB	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **ARUP**

Date: 04/03/2022  
Scale: 1:500 @ A1  
1:1000 @ A3

Drawn: AG  
Checked: SW  
Approved: BB

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

Programme Title: <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title: BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME IW FOUL SEWER ASSET ALTERATIONS			
Drawing File Name: BCIDC-ARP-UTL_UD-1415_XX_00-DR-CU-0015	Sheet Number: 15 of 23	Status: A	Rev: M01

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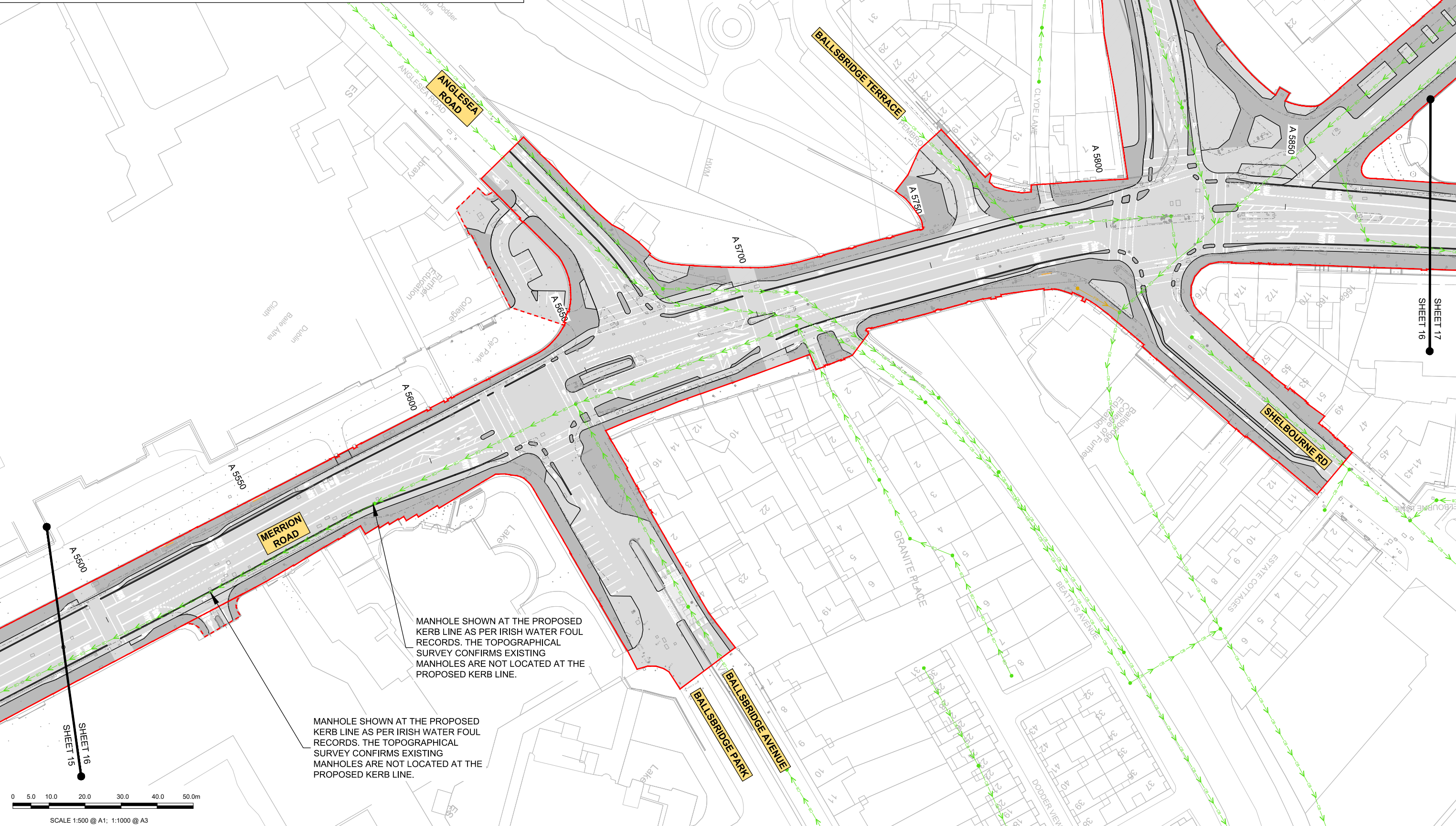
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**LEGEND:**

- EXISTING KERB LINE
- EXISTING FOUL WATER DRAINAGE
- EXISTING COMBINED DRAINAGE NETWORK
- - - TEMPORARY LAND ACQUISITION
- PROPOSED KERB LINE
- FOUL WATER DRAINAGE - PROPOSED DIVERSION
- COMBINED DRAINAGE NETWORK - PROPOSED DIVERSION
- SITE BOUNDARY LINE
- EXISTING NETWORK TO BE DECOMMISSIONED

**NOTES:**

- UTILITY LOCATIONS ARE INDICATIVE ONLY AND BASED ON UTILITY PROVIDER RECORDS



MANHOLE SHOWN AT THE PROPOSED KERB LINE AS PER IRISH WATER FOUL RECORDS. THE TOPOGRAPHICAL SURVEY CONFIRMS EXISTING MANHOLES ARE NOT LOCATED AT THE PROPOSED KERB LINE.

MANHOLE SHOWN AT THE PROPOSED KERB LINE AS PER IRISH WATER FOUL RECORDS. THE TOPOGRAPHICAL SURVEY CONFIRMS EXISTING MANHOLES ARE NOT LOCATED AT THE PROPOSED KERB LINE.

Scale: 1:500 @ A1; 1:1000 @ A3

0 5.0 10.0 20.0 30.0 40.0 50.0m

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

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

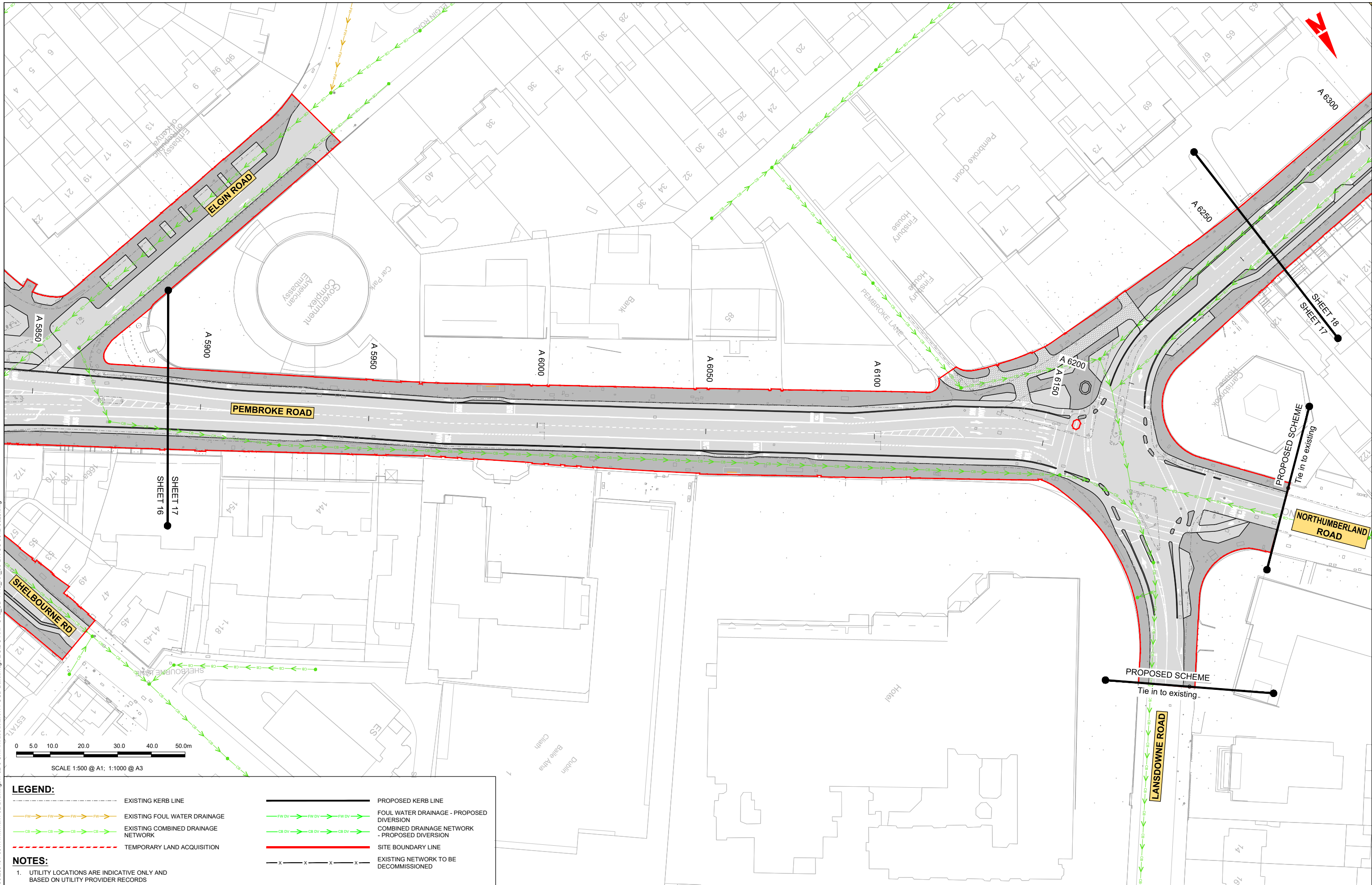
Engineering Designer: **ARUP**

Date: 04/03/2022 | Scale: 1:500 @ A1, 1:1000 @ A3 | Drawn: AG | Checked: SW | Approved: BB

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

Programme Title: <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title: BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME IW FOUL SEWER ASSET ALTERATIONS			
Drawing File Name: BCIDC-ARP-UTL_UD-1415_XX_00-DR-CU-0016	Sheet Number: 16 of 23	Status: A	Rev: M01

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**LEGEND:**

- EXISTING KERB LINE
- PROPOSED KERB LINE
- EXISTING FOUL WATER DRAINAGE
- FOUL WATER DRAINAGE - PROPOSED DIVERSION
- EXISTING COMBINED DRAINAGE NETWORK
- COMBINED DRAINAGE NETWORK - PROPOSED DIVERSION
- TEMPORARY LAND ACQUISITION
- SITE BOUNDARY LINE
- EXISTING NETWORK TO BE DECOMMISSIONED

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M01	04/03/2022	AG	SW	BB	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **ARUP**

Date: 04/03/2022 | Scale: 1:500 @ A1, 1:1000 @ A3 | Drawn: AG | Checked: SW | Approved: BB

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

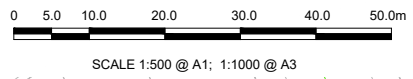
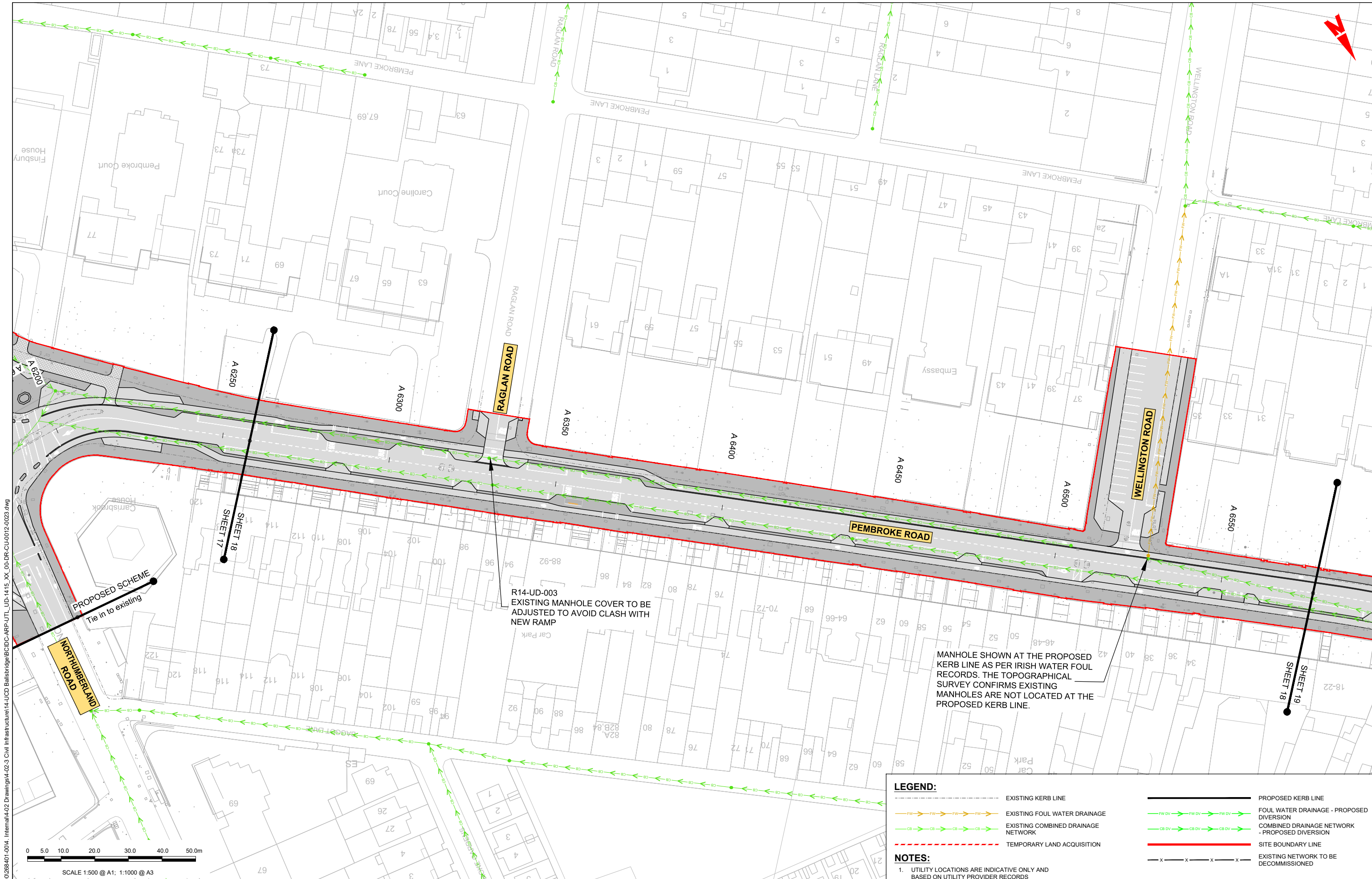
Programme Title: **BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS**

Drawing Title: BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME IW FOUL SEWER ASSET ALTERATIONS

Drawing File Name: BCIDC-ARP-UTL\_UD-1415\_XX\_00-DR-CU-0017 | Sheet Number: 17 of 23 | Status: A | Rev: M01

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**LEGEND:**

	EXISTING KERB LINE		PROPOSED KERB LINE
	EXISTING FOUL WATER DRAINAGE		FOUL WATER DRAINAGE - PROPOSED DIVERSION
	EXISTING COMBINED DRAINAGE NETWORK		COMBINED DRAINAGE NETWORK - PROPOSED DIVERSION
	TEMPORARY LAND ACQUISITION		SITE BOUNDARY LINE
	EXISTING NETWORK TO BE DECOMMISSIONED		

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<p>Date 04/03/2022 Scale 1:500 @ A1 1:1000 @ A3 Drawn AG Checked SW Approved BB</p>		<p>Project Code BCIDC Originator Code ARP QMS Code 268401-00</p>			<p>Drawing File Name BCIDC-ARP-UTL_UD-1415_XX_00-DR-CU-0018 Sheet Number 18 of 23 Status A Rev M01</p>						

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**LEGEND:**

	EXISTING KERB LINE		PROPOSED KERB LINE
	EXISTING FOUL WATER DRAINAGE		FOUL WATER DRAINAGE - PROPOSED DIVERSION
	EXISTING COMBINED DRAINAGE NETWORK		COMBINED DRAINAGE NETWORK - PROPOSED DIVERSION
	TEMPORARY LAND ACQUISITION		SITE BOUNDARY LINE
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Rev	Date	Drm	Chk'd	App'd	Description
M01	04/03/2022	AG	SW	BB	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **ARUP**

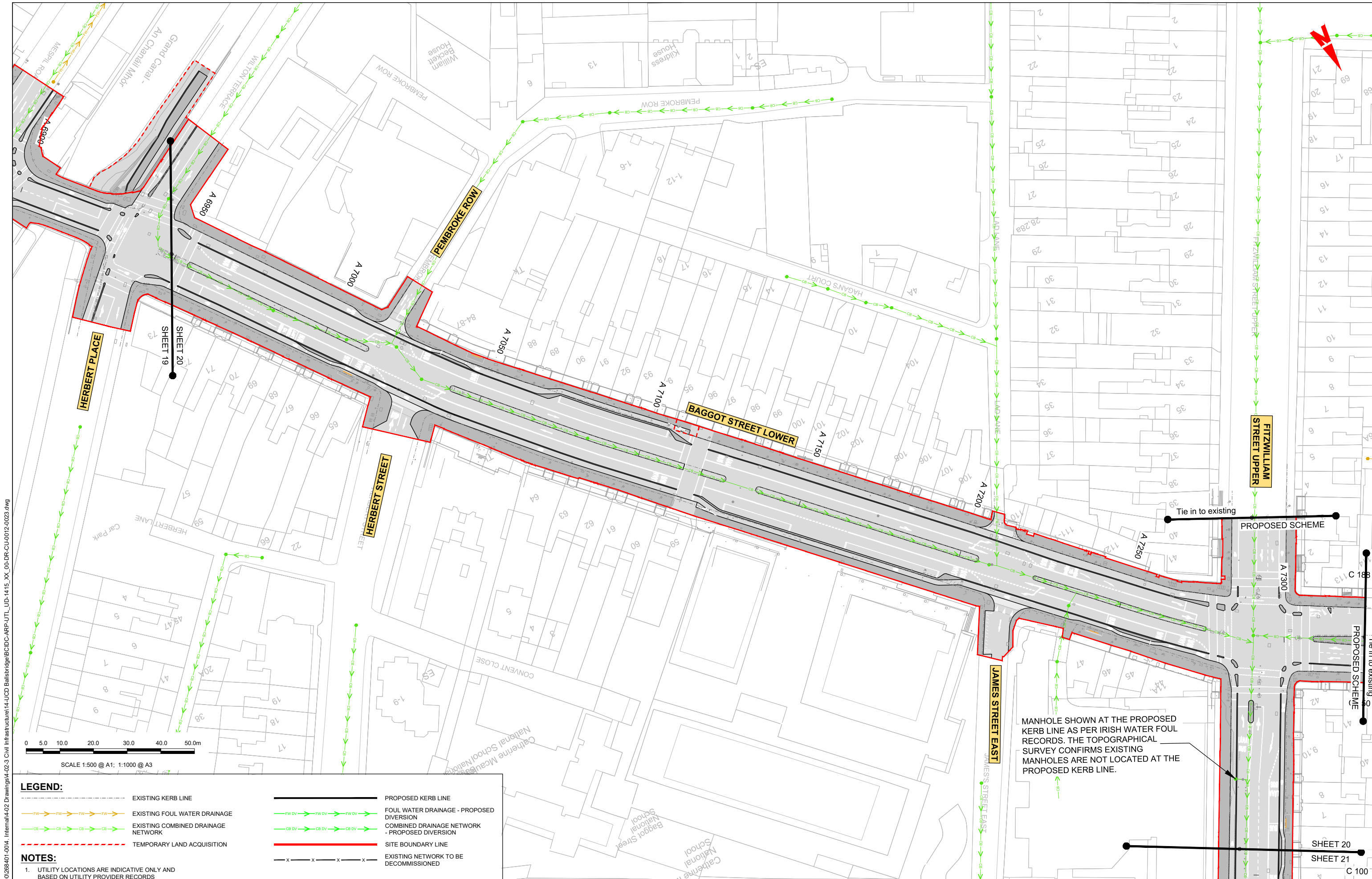
Date	Scale	Drawn	Checked	Approved
04/03/2022	1:500 @ A1 1:1000 @ A3	AG	SW	BB

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

Programme Title: <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title: <b>BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME IW FOUL SEWER ASSET ALTERATIONS</b>			
Drawing File Name: BCIDC-ARP-UTL_UD-1415_XX_00-DR-CU-0019	Sheet Number: 19 of 23	Status: A	Rev: M01

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**LEGEND:**

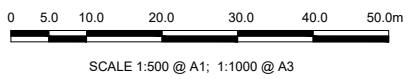
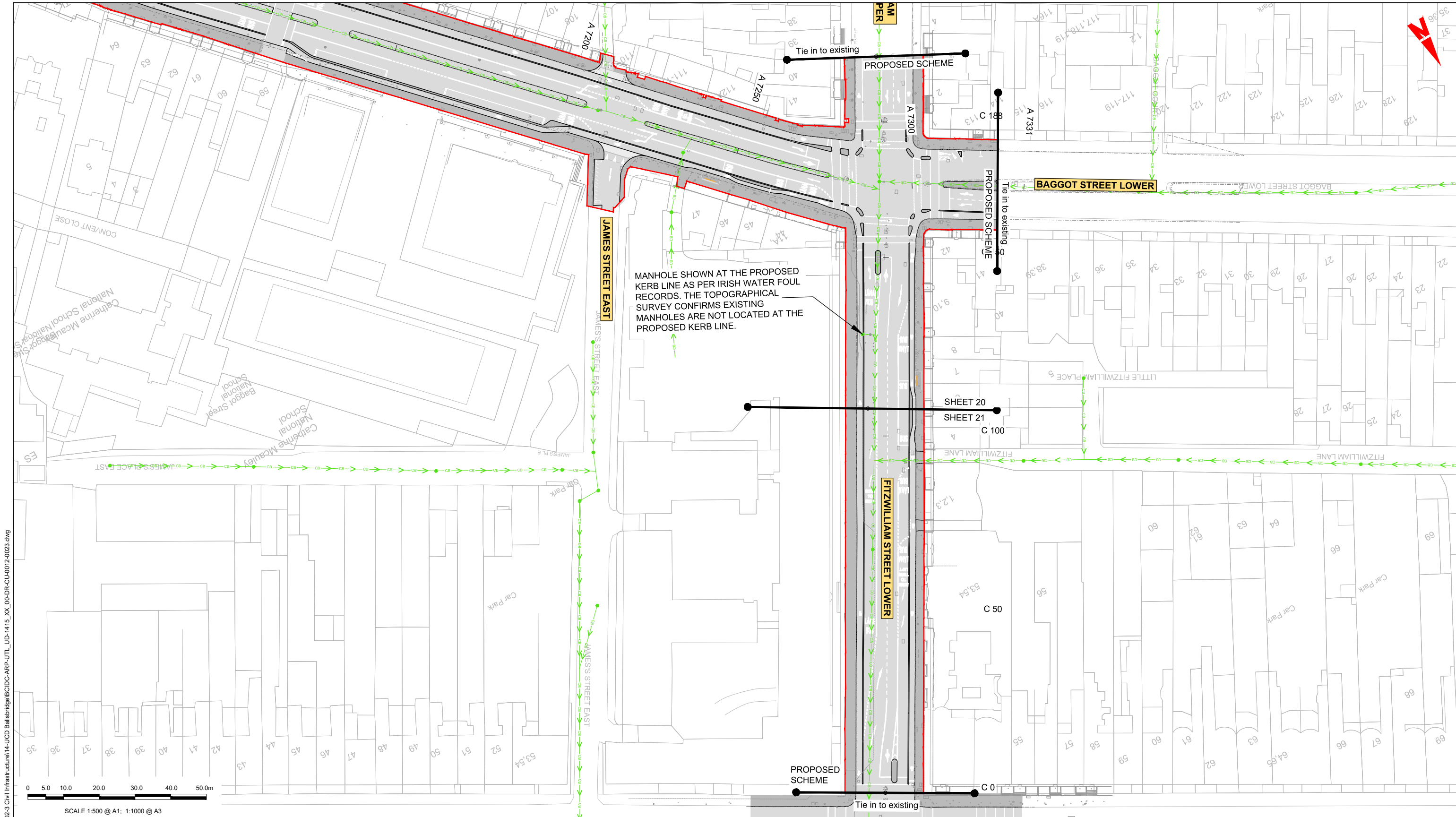
- EXISTING KERB LINE
- EXISTING FOUL WATER DRAINAGE
- EXISTING COMBINED DRAINAGE NETWORK
- - - TEMPORARY LAND ACQUISITION
- PROPOSED KERB LINE
- FOUL WATER DRAINAGE - PROPOSED DIVERSION
- COMBINED DRAINAGE NETWORK - PROPOSED DIVERSION
- SITE BOUNDARY LINE
- - - EXISTING NETWORK TO BE DECOMMISSIONED

**NOTES:**

- UTILITY LOCATIONS ARE INDICATIVE ONLY AND BASED ON UTILITY PROVIDER RECORDS

MANHOLE SHOWN AT THE PROPOSED KERB LINE AS PER IRISH WATER FOUL RECORDS. THE TOPOGRAPHICAL SURVEY CONFIRMS EXISTING MANHOLES ARE NOT LOCATED AT THE PROPOSED KERB LINE.

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		Rev	Date	Drm	Chk'd	App'd	Description										
M01	04/03/2022	AG	SW	BB	ISSUE FOR PHASE 4: PLANNING												
<p>Date</p> <p>04/03/2022</p>	<p>Scale</p> <p>1:500 @ A1 1:1000 @ A3</p>	<p>Drawn</p> <p>AG</p>	<p>Checked</p> <p>SW</p>	<p>Approved</p> <p>BB</p>	<p>Drawing Title</p> <p>BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME IW FOUL SEWER ASSET ALTERATIONS</p>												
<p>Project Code</p> <p>BCIDC</p>	<p>Originator Code</p> <p>ARP</p>	<p>QMS Code</p> <p>268401-00</p>	<p>Drawing File Name</p> <p>BCIDC-ARP-UTL_UD-1415_XX_00-DR-CU-0020</p>	<p>Sheet Number</p> <p>20 of 23</p>	<p>Status</p> <p>A</p>	<p>Rev</p> <p>M01</p>											



**LEGEND:**

	EXISTING KERB LINE		PROPOSED KERB LINE
	EXISTING FOUL WATER DRAINAGE		FOUL WATER DRAINAGE - PROPOSED DIVERSION
	EXISTING COMBINED DRAINAGE NETWORK		COMBINED DRAINAGE NETWORK - PROPOSED DIVERSION
	TEMPORARY LAND ACQUISITION		EXISTING NETWORK TO BE DECOMMISSIONED

**NOTES:**

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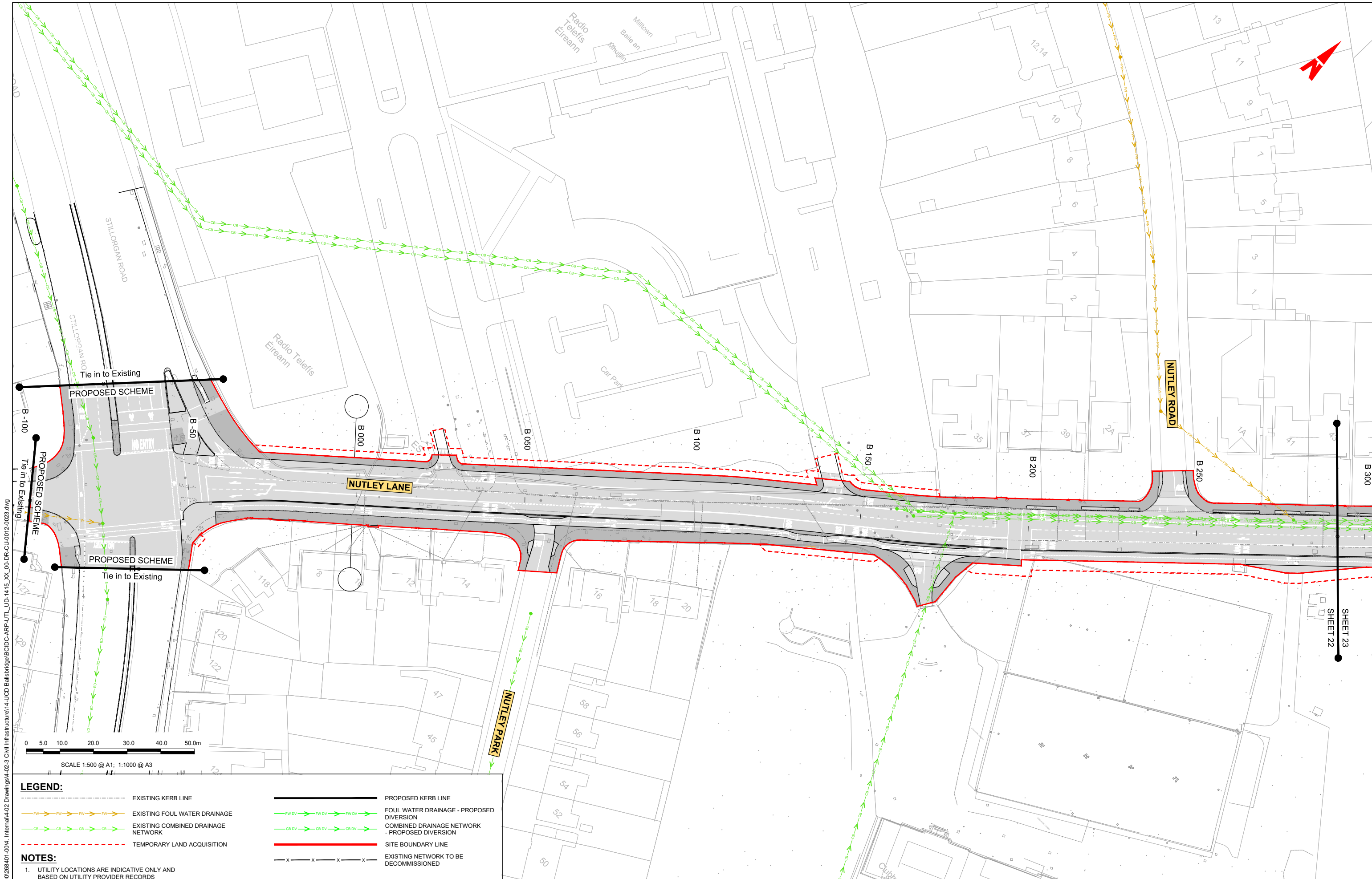
Rev	Date	Drm	Chk'd	App'd	Description
M01	04/03/2022	AG	SW	BB	ISSUE FOR PHASE 4: PLANNING

Client <b>NTA</b> Údarás Náisiúnta Iompair National Transport Authority		Engineering Designer <b>ARUP</b>		
Date 04/03/2022	Scale 1:500 @ A1 1:1000 @ A3	Drawn AG	Checked SW	Approved BB
Project Code BCIDC	Originator Code ARP	QMS Code 268401-00		

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME IW FOUL SEWER ASSET ALTERATIONS				
Drawing File Name BCIDC-ARP-UTL_UD-1415_XX_00-DR-CU-0021	Sheet Number 21 of 23	Status A	Rev M01	

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0 5.0 10.0 20.0 30.0 40.0 50.0m  
 SCALE 1:500 @ A1; 1:1000 @ A3

LEGEND:	
	EXISTING KERB LINE
	TEMPORARY LAND ACQUISITION
	PROPOSED KERB LINE
	FOUL WATER DRAINAGE - PROPOSED DIVERSION
	COMBINED DRAINAGE NETWORK - PROPOSED DIVERSION
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M01	04/03/2022	AG	SW	BB	ISSUE FOR PHASE 4: PLANNING

<b>Client</b>  Údarás Náisiúnta Iompair National Transport Authority		<b>Engineering Designer</b> 		
Date	Scale	Drawn	Checked	Approved
04/03/2022	1:500 @ A1 1:1000 @ A3	AG	SW	BB
Project Code	Originator Code	QMS Code		
BCIDC	ARP	268401-00		

<b>Programme Title</b> BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
<b>Drawing Title</b> BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME IW FOUL SEWER ASSET ALTERATIONS			
Drawing File Name	Sheet Number	Status	Rev
BCIDC-ARP-UTL_UD-1415_XX_00-DR-CU-0022	22 of 23	A	M01

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**LEGEND:**

	EXISTING KERB LINE		PROPOSED KERB LINE
	EXISTING FOUL WATER DRAINAGE		FOUL WATER DRAINAGE - PROPOSED DIVERSION
	EXISTING COMBINED DRAINAGE NETWORK		COMBINED DRAINAGE NETWORK - PROPOSED DIVERSION
	TEMPORARY LAND ACQUISITION		SITE BOUNDARY LINE
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Client

**NTA**  
Údarás Náisiúnta Iompair  
National Transport Authority

Engineering Designer

**ARUP**

Date	04/03/2022	Scale	1:500 @ A1 1:1000 @ A3
Drawn	AG	Checked	SW
Approved	BB		

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
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Drawing File Name	BCIDC-ARP-UTL_UD-1415_XX_00-DR-CU-0023	Sheet Number	23 of 23
Status	A	Rev	M01

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