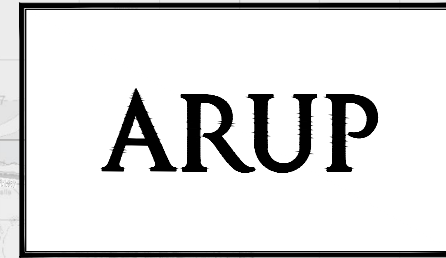


Appendix B18
Bridges and Major
Retaining Structures



BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS

BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME

BRIDGES AND MAJOR RETAINING STRUCTURES

DRAWING SERIES NUMBER(S)

- BCIDC-ARP-STR_IX-0005_XX_00-DR-CB-0001
- BCIDC-ARP-STR_KP-0005_XX_00-DR-CB-0001
- BCIDC-ARP-STR_GA-0005_BR_01-DR-CB-0002
- BCIDC-ARP-STR_GA-0005_BR_01-DR-CB-0003
- BCIDC-ARP-STR_GA-0005_BR_02-DR-CB-0002
- BCIDC-ARP-STR_GA-0005_BR_02-DR-CB-0003
- BCIDC-ARP-STR_GA-0005_BR_02-DR-CB-0004
- BCIDC-ARP-STR_GA-0005_BR_02-DR-CB-0005
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- BCIDC-ARP-STR_GA-0005_RW_07-DR-CB-0002
- BCIDC-ARP-STR_GA-0005_RW_07-DR-CB-0003
- BCIDC-ARP-STR_GA-0005_RW_07-DR-CB-0004
- BCIDC-ARP-STR_GA-0005_RW_09-DR-CB-0002

DRAWING SERIES DESCRIPTION

- BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME. BRIDGES AND MAJOR RETAINING STRUCTURES. COVER SHEET
- BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME. BRIDGES AND MAJOR RETAINING STRUCTURES. KEY PLAN
- BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME. BRIDGES AND MAJOR RETAINING STRUCTURES. BR_01 TOLKA RIVER BRIDGE. GENERAL ARRANGEMENT SHEET 1
- BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME BRIDGES AND MAJOR RETAINING STRUCTURES. BR_01 TOLKA RIVER BRIDGE GENERAL ARRANGEMENT SHEET 2
- BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME. BRIDGES AND MAJOR RETAINING STRUCTURES. BR_02 MILL ROAD BRIDGE. GENERAL ARRANGEMENT SHEET 1
- BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME BRIDGES AND MAJOR RETAINING STRUCTURES. BR_02 MILL ROAD BRIDGE GENERAL ARRANGEMENT SHEET 2
- BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME BRIDGES AND MAJOR RETAINING STRUCTURES. BR_02 MILL ROAD BRIDGE GENERAL ARRANGEMENT SHEET 3
- BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME BRIDGES AND MAJOR RETAINING STRUCTURES. BR_02 MILL ROAD BRIDGE GENERAL ARRANGEMENT SHEET 4
- BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME BRIDGES AND MAJOR RETAINING STRUCTURES. GY_01 GROUP 6 GANTRY GENERAL ARRANGEMENT SHEET 1
- BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME BRIDGES AND MAJOR RETAINING STRUCTURES. GY_02 GROUP 6 GANTRY GENERAL ARRANGEMENT SHEET 1
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- BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME BRIDGES AND MAJOR RETAINING STRUCTURES. VMS GANTRIES GENERAL ARRANGEMENT GY04
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- BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME BRIDGES AND MAJOR RETAINING STRUCTURES. GY_09 GROUP 6 GANTRY GENERAL ARRANGEMENT SHEET 1
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- BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME BRIDGES AND MAJOR RETAINING STRUCTURES. RETAINING WALL 09 GENERAL ARRANGEMENT

\\global\europa\dublin\jobs\268401-0014 - Internal\4-02 Drawings\4-02 BCIDC\BCIDC\0005\13 STR\Drawings\DR\BCIDC-ARP-STR_IX-0005_XX_00-DR-CB-0001.dwg

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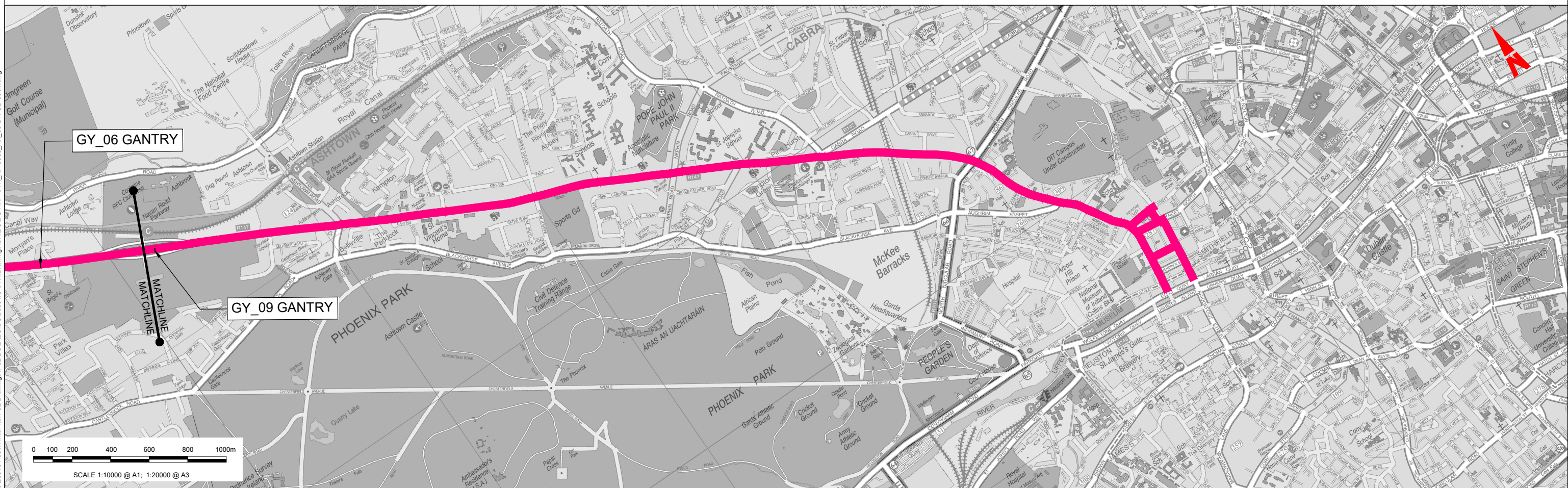
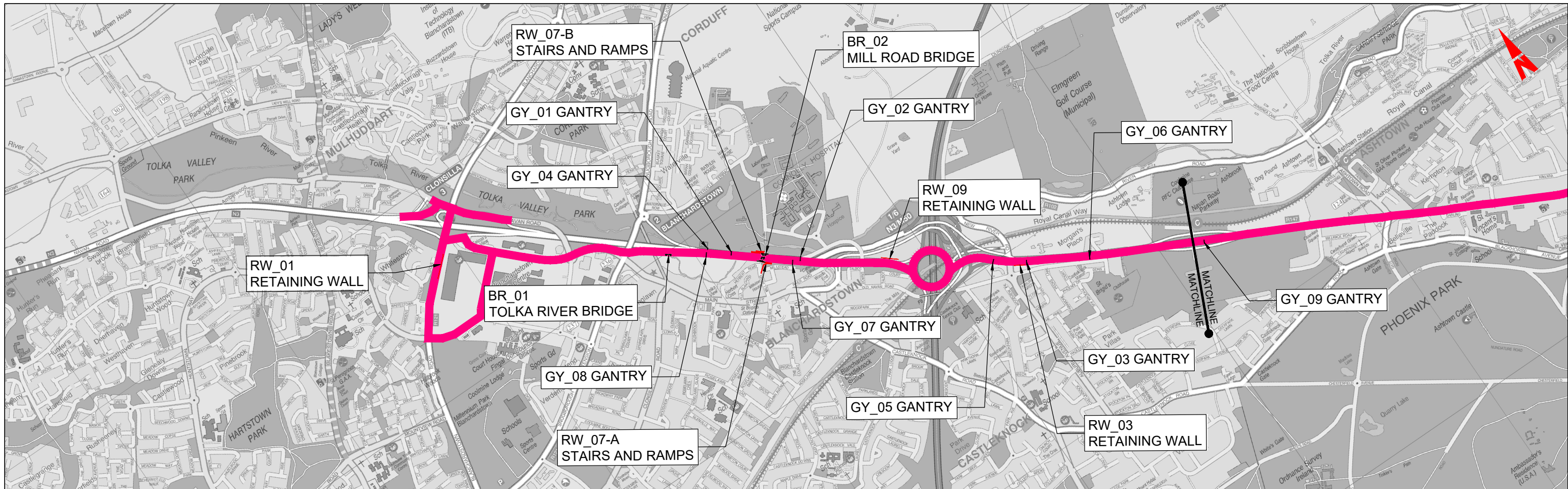


Rev	Date	Drn	Chk'd	App'd	Description
M01	04/04/2022	PK	CG	BD	ISSUE FOR PHASE 4: PLANNING

 Údarás Náisiúnta Iompair National Transport Authority		 Engineering Designer							
Date	04/04/2022	Scale	N/A @ A1 N/A @ A3	Drawn	PK	Checked	CG	Approved	BD
Project Code	BCIDC	Originator Code	ARP	QMS Code		268401-00			

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME BRIDGES AND MAJOR RETAINING STRUCTURES COVER SHEET			
Drawing File Name	BCIDC-ARP-STR_IX-0005_XX_00-DR-CB-0001	Sheet Number	01 of 01
Status	A	Rev	M01

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Project Ireland 2040
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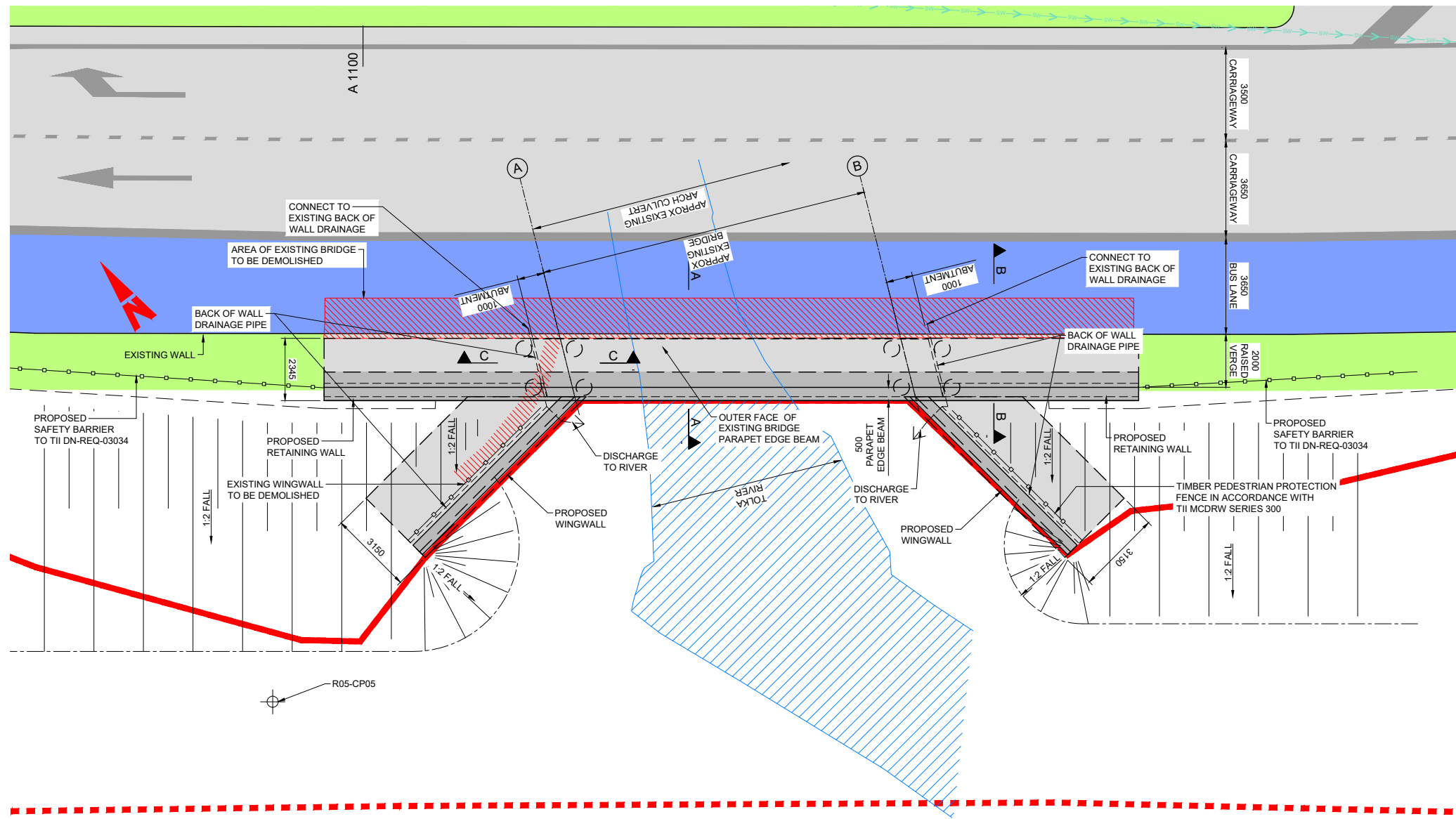
Client
NTA
 Údarás Náisiúnta Iompair
 National Transport Authority

Engineering Designer
ARUP

Date	Scale	Drawn	Checked	Approved
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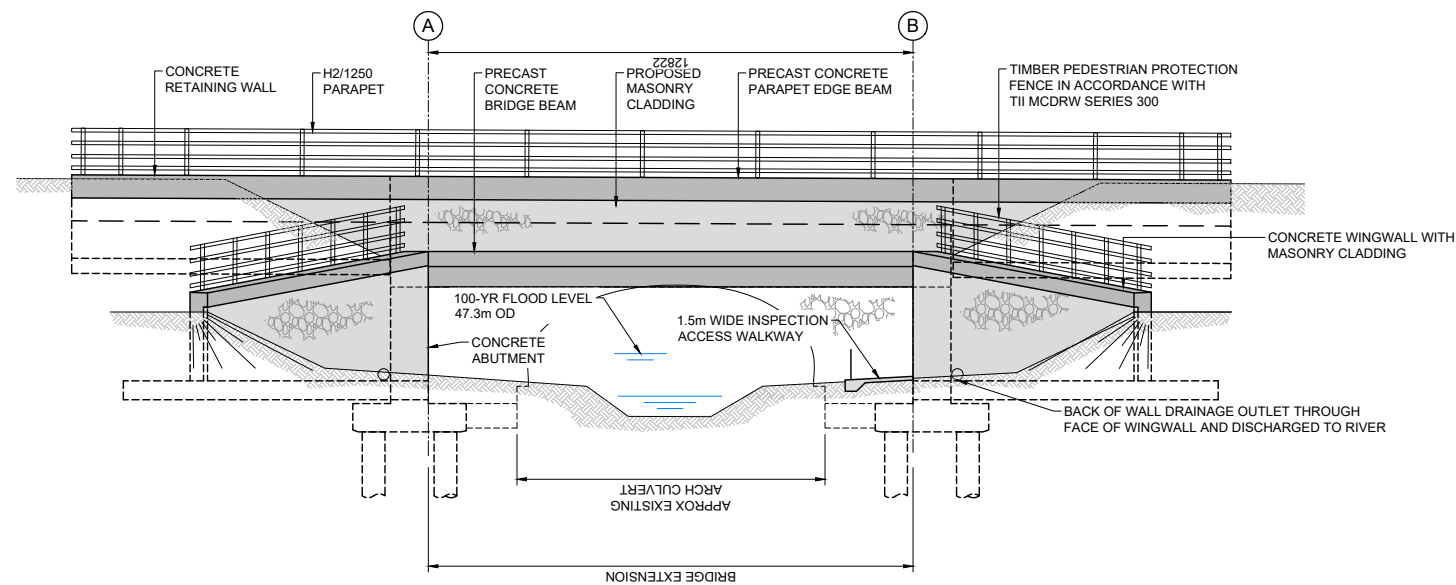
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Drawing Title			
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Drawing File Name			
BCIDC-ARP-STR_KP-0005_XX_00-DR-CB-0001			
Sheet Number	Status	Rev	
01 of 01	A	M01	

DO NOT SCALE USE FIGURED DIMENSIONS ONLY



PLAN ON PROPOSED BRIDGE

SCALE: 1:100



ELEVATION ON PROPOSED BRIDGE

SCALE: 1:100

NOTES:

- ALL DIMENSIONS ARE SHOWN IN MILLIMETRES UNLESS NOTED OTHERWISE.
- ALL LEVELS ARE SHOWN IN METRES ABOVE ORDNANCE DATUM.
- STRUCTURAL CONCRETE TO BE:
 - PRECAST BEAMS C50/60
 - DECK SLAB & SPANDREL WALL C40/50
 - SUBSTRUCTURE C40/50
 - PARAPET EDGE BEAM C40/50
- WATERPROOFING:
 - BRIDGE DECK WATERPROOFING SHALL BE SPRAY APPLIED AND SATISFY THE REQUIREMENTS OF DN-STR-03009 & DN-STR-03012.
 - ALL OTHER BURIED CONCRETE SURFACES SHALL BE TREATED WITH TWO COATS OF EPOXY RESIN WATERPROOFING PAINT IN ACCORDANCE WITH TII CC-SPW-02000.
- ALL EXPOSED CONCRETE SHALL BE IMPREGNATED WITH HYDROPHOBIC PORE LINER IN ACCORDANCE WITH TII CC-SPW-01700.
- BREAKING BACK OF THE EXISTING STRUCTURAL CONCRETE SHALL BE UNDERTAKEN USING METHODS THAT WILL NOT IMPACT ON THE STRUCTURAL PERFORMANCE OF THE EXISTING REINFORCEMENT UNDAMAGED WHERE NECESSARY.
- EXPOSED FACES OF WINGWALLS TO HAVE F4 PATTERNED PROFILE FINISH.
- LOCALISED SOFT SPOTS, IF PRESENT, TO BE EXCAVATED AND REPLACED WITH CLASS 6M2.
- FOUNDATION DETAILS SUBJECT TO CONFIRMATION OF RECEIPT OF SUPPLEMENTARY GEOTECHNICAL INVESTIGATION WORKS.

LEGEND:

- AREA OF EXISTING BRIDGE TO BE DEMOLISHED
- RED LINE BOUNDARY
- TEMPORARY BOUNDARY FOR CONSTRUCTION

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 National Transport Authority

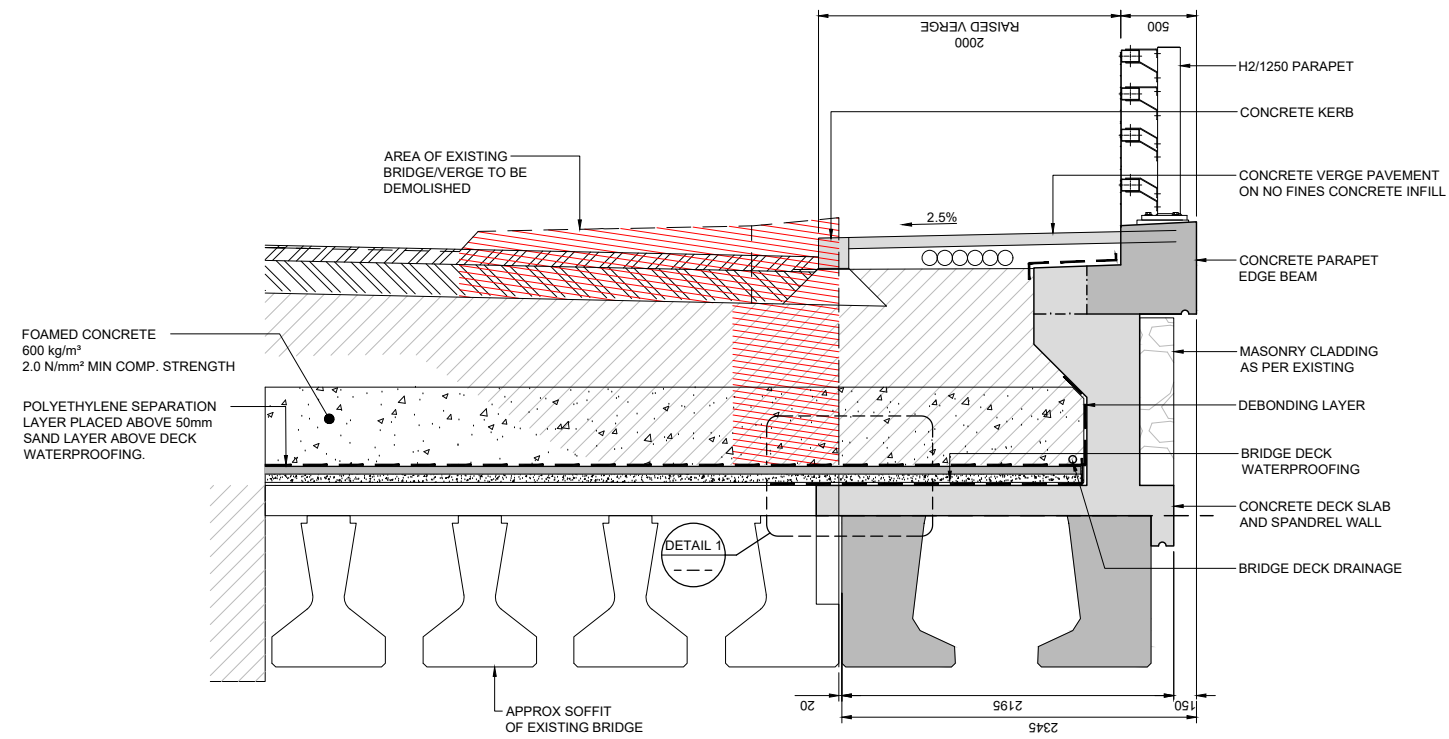
Engineering Designer
ARUP

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Drawing Title BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME BR_01 TOLKA RIVER BRIDGE GENERAL ARRANGEMENT SHEET 1			
Date 04/04/2022	Scale As Shown @ A1 As Shown @ A3	Drawn BM	Checked CG
Project Code BCIDC	Originator Code ARP	OMS Code 268401-00	Approved BD
Drawing File Name BCIDC-ARP-STR_GA-0005_BR_01-DR-CB-0002	Sheet Number 01 of 01	Status A	Rev M01

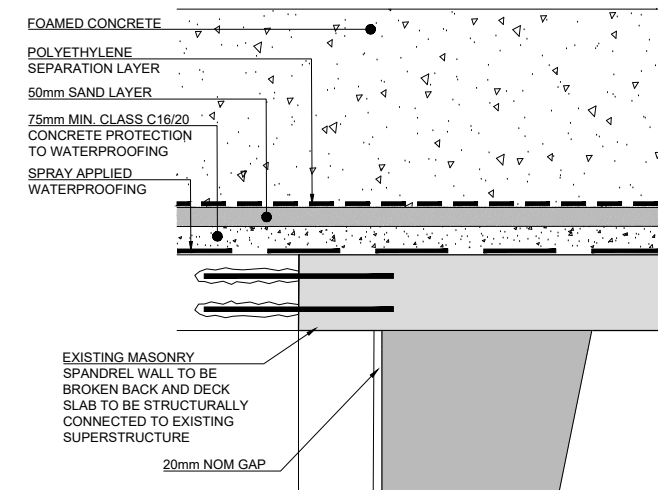
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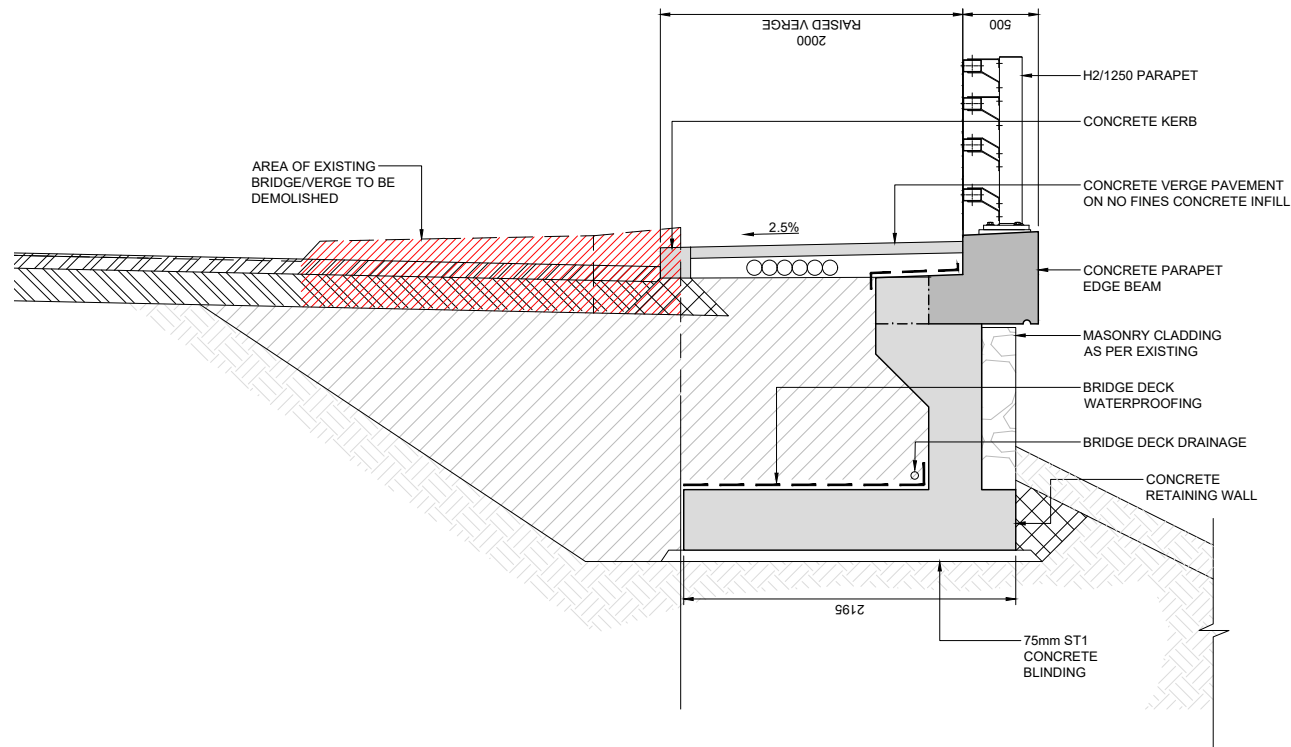
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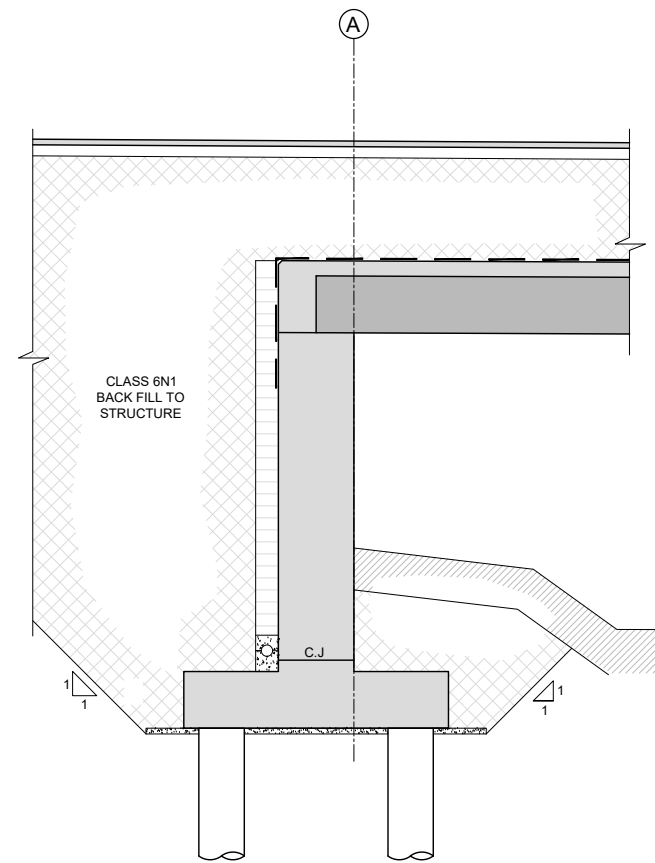
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DETAIL 1
SCALE: 1:10



SECTION B-B
SCALE: 1:25



SECTION C-C
SCALE: 1:25

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Client NTA Udarás Náisiúnta Iompair National Transport Authority		Engineering Designer ARUP		
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Project Code BCIDC	Originator Code ARP	OMS Code 268401-00		

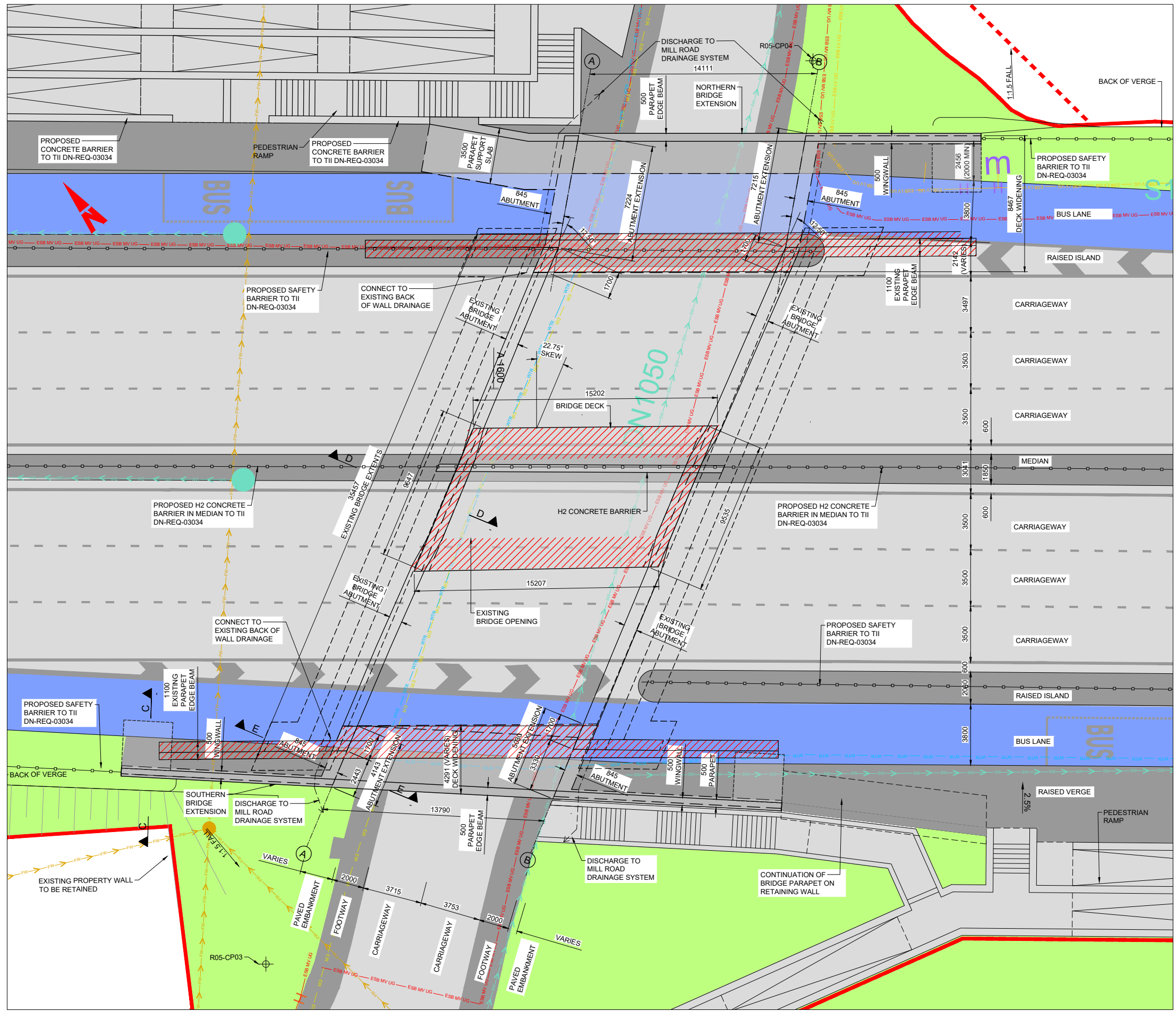
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Drawing File Name BCIDC-ARP-STR_GA-0005_BR_01-DR-CB-0003	Sheet Number 01 of 01	Status A	Rev M01	

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 - ALL LEVELS ARE SHOWN IN METRES ABOVE ORDINANCE DATUM.
 - STRUCTURE IS FULLY INTEGRAL.
 - STRUCTURE CONCRETE TO BE C40/50.
 - WATERPROOFING:
 - THE EXISTING BRIDGE DECK WATERPROOFING SHALL BE INSPECTED AND REPLACED OR REPAIRED WHERE REQUIRED.
 - BRIDGE DECK WATERPROOFING SHALL BE APPLIED TO NEW AREAS OF THE DECK AND SHALL LAP ONTO EXISTING WATERPROOFING.
 - BRIDGE DECK WATERPROOFING SHALL BE SPRAY APPLIED AND SATISFY THE REQUIREMENTS OF DN-STR-03009 & DN-STR-03012.
 - ALL OTHER BURIED CONCRETE SURFACES SHALL BE TREATED WITH TWO COATS OF EPOXY RESIN WATERPROOFING PAINT IN ACCORDANCE WITH TII CC-SPW-01700.
 - ALL EXPOSED CONCRETE SHALL BE IMPREGNATED WITH A HYDROPHOBIC PORE LINER IN ACCORDANCE WITH TII CC-SPW-01700.
 - ALL EXISTING CONCRETE SURFACES WHICH ARE REQUIRED TO FORM CONSTRUCTION JOINTS WITH THE PROPOSED WORKS ARE TO BE SCABBLED AND CLEANED.
 - BREAKING BACK OF THE EXISTING STRUCTURAL CONCRETE SHALL BE UNDERTAKEN USING METHODS THAT WILL NOT IMPACT ON THE STRUCTURAL PERFORMANCE OF THE EXISTING CONCRETE AND WILL RETAIN EXISTING REINFORCEMENT UNDAMAGED WHERE NECESSARY.
 - EXPOSED FACES OF WINGWALLS TO HAVE F4 PATTERNED PROFILE FINISH, SIMILAR TO EXISTING.
 - LOCALISED SOFT SPOTS, IF PRESENT, TO BE EXCAVATED AND REPLACED WITH CLASS 6N2.

LEGEND:

- AREA OF EXISTING BRIDGE TO BE DEMOLISHED
- RED LINE BOUNDARY
- TEMPORARY BOUNDARY FOR CONSTRUCTION



PLAN ON PROPOSED BRIDGE EXTENSIONS

SCALE: 1:125

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M01	04/04/2022	BM	CG	BD	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **ARUP**

Date: 04/04/2022
Scale: As Shown @ A1
As Shown @ A3

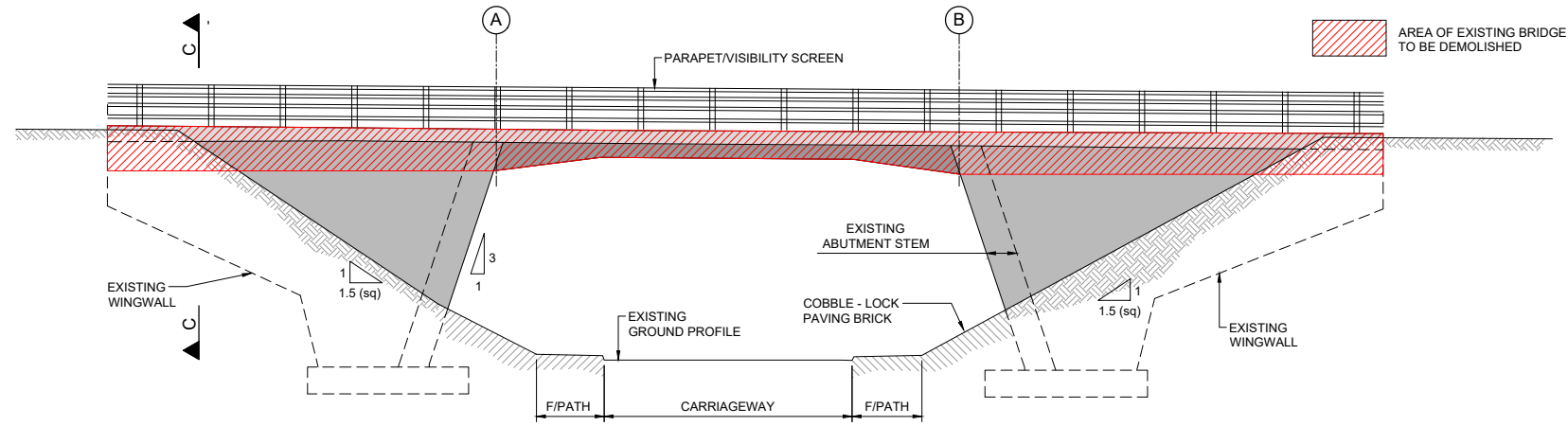
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Approved: BD

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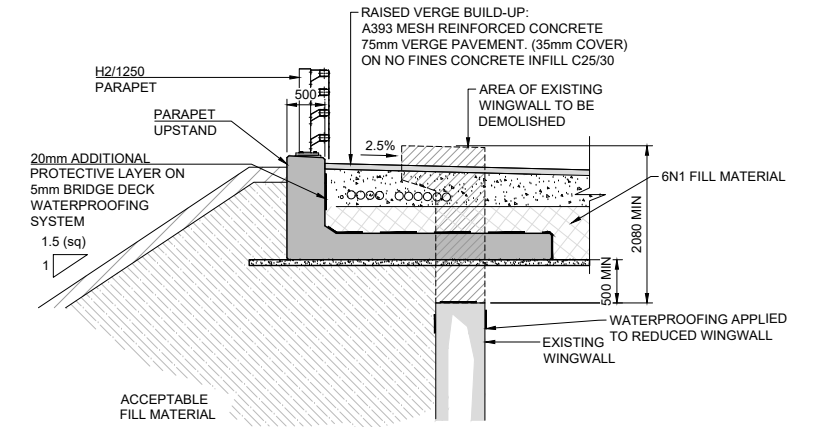
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Drawing File Name	Sheet Number	Status	Rev
BCIDC-ARP-STR_GA-0005_BR_02-DR-CB-0002	01 of 01	A	M01

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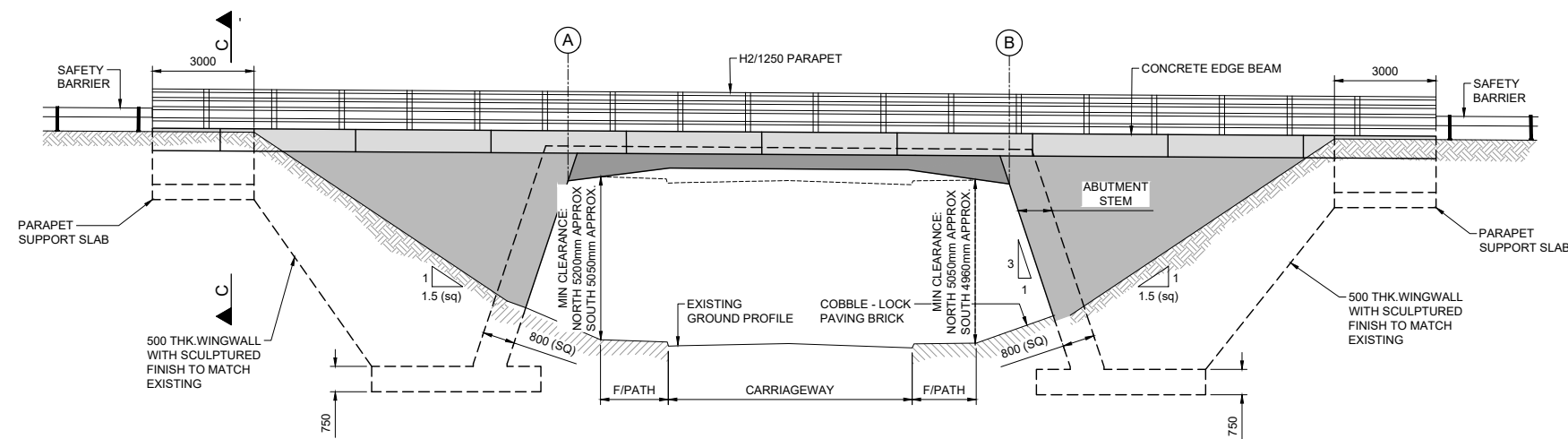
- NOTES:**
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 2. ALL LEVELS ARE SHOWN IN METRES ABOVE ORDNANCE DATUM.



TYPICAL ELEVATION OF EXISTING BRIDGE
SCALE: 1:100



SECTION C-C
SCALE: 1:50



TYPICAL ELEVATION OF PROPOSED BRIDGE EXTENSION
SCALE: 1:100

\\global\europa\dublin\jobs\268000\268401-0014 - Internal\4-02 Drawings\4-02 BCID\BCIDC\006113 STR\Drawings\DR\BCIDC-ARP-STR_GA-0005_BR_02-DR-CB-0003.dwg

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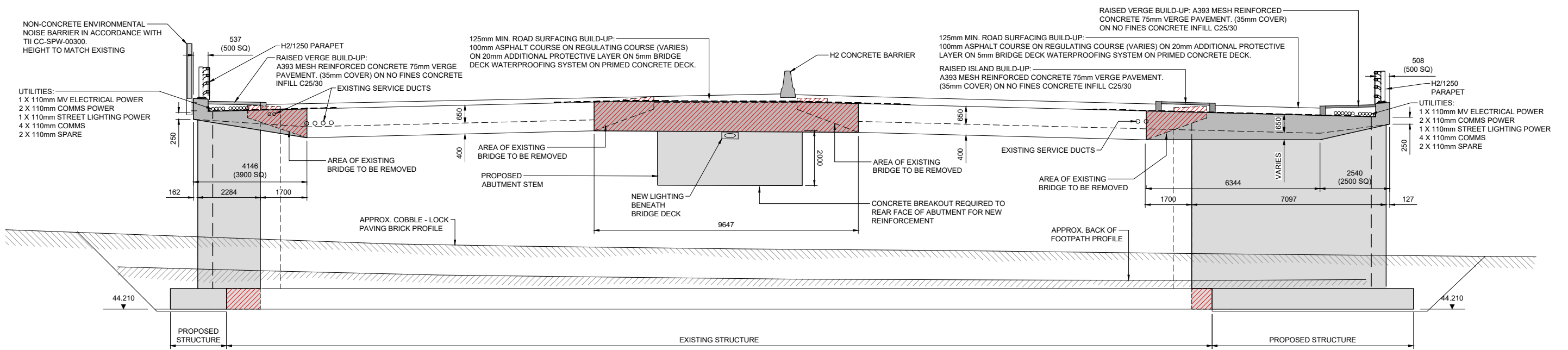
Rev	Date	Drn	Chk'd	App'd	Description
M01	04/04/2022	PK	CG	BD	ISSUE FOR PHASE 4: PLANNING

Client NTA Udarás Náisiúnta Iompair National Transport Authority		Engineering Designer ARUP		
Date 04/04/2022	Scale As Shown @ A1 As Shown @ A3	Drawn PK	Checked CG	Approved BD
Project Code BCIDC	Originator Code ARP	OMS Code 268401-00		

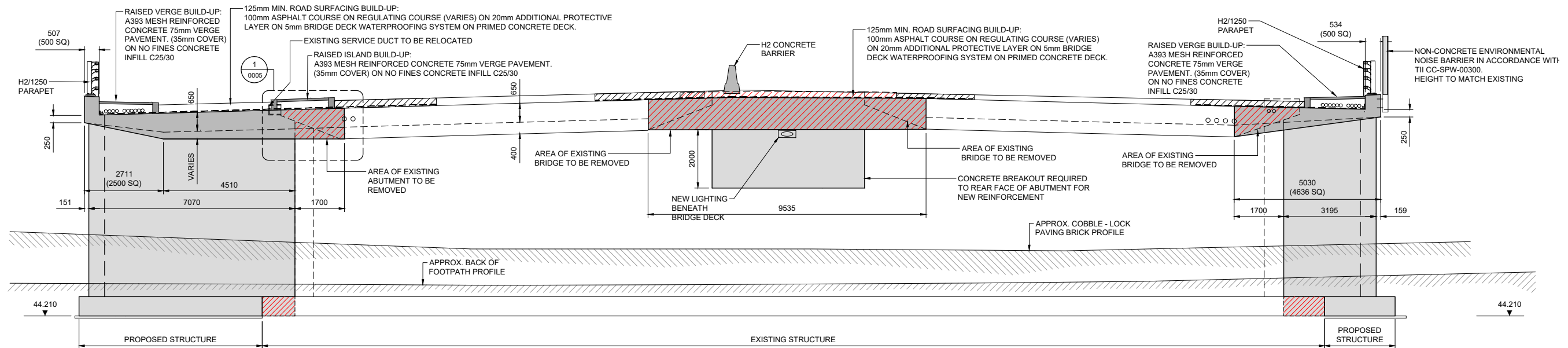
Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME BR_02 MILL ROAD BRIDGE GENERAL ARRANGEMENT SHEET 2				
Drawing File Name BCIDC-ARP-STR_GA-0005_BR_02-DR-CB-0003	Sheet Number 01 of 01	Status A	Rev M01	

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ELEVATION ALONG GRIDLINE A (WEST ABUTMENT)
SCALE: 1:75



ELEVATION ALONG GRIDLINE B (EAST ABUTMENT)
SCALE: 1:75

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Project Ireland 2040
Building Ireland's Future

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

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

Engineering Designer: **ARUP**

Date: 04/04/2022
Scale: As Shown @ A1
As Shown @ A3

Drawn: BM
Checked: CG
Approved: BD

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

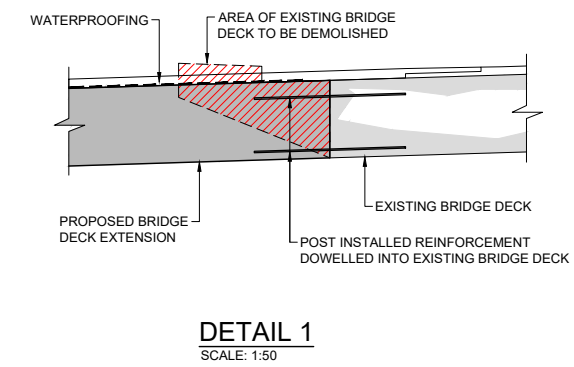
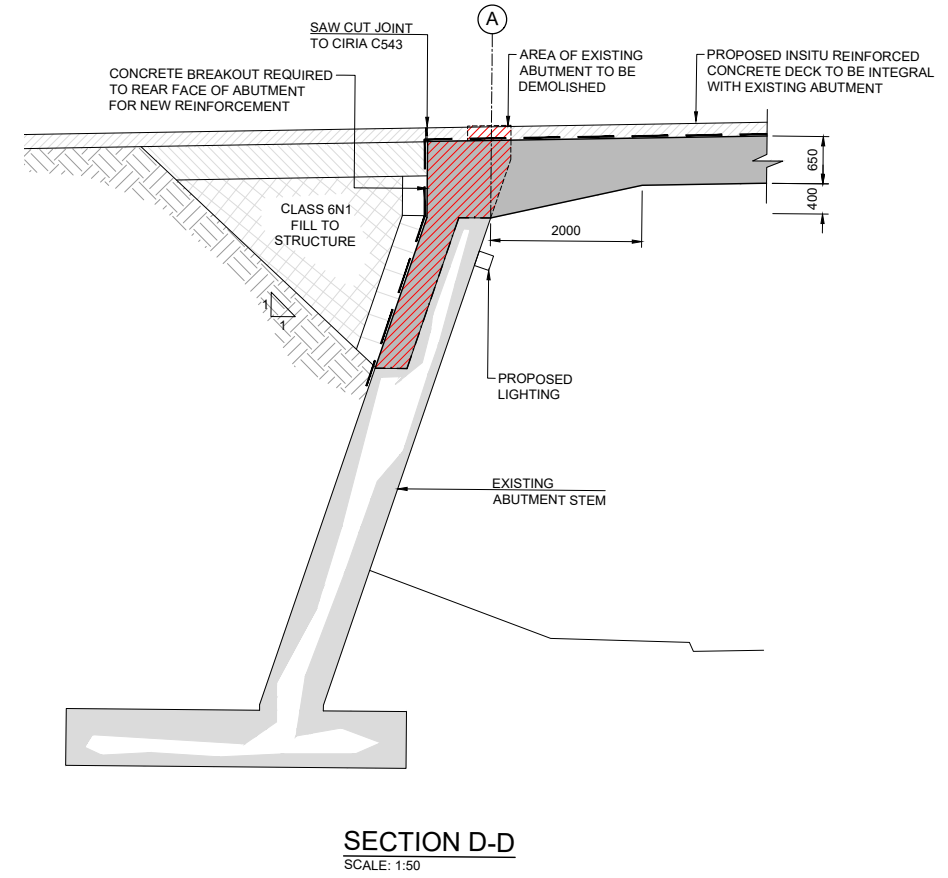
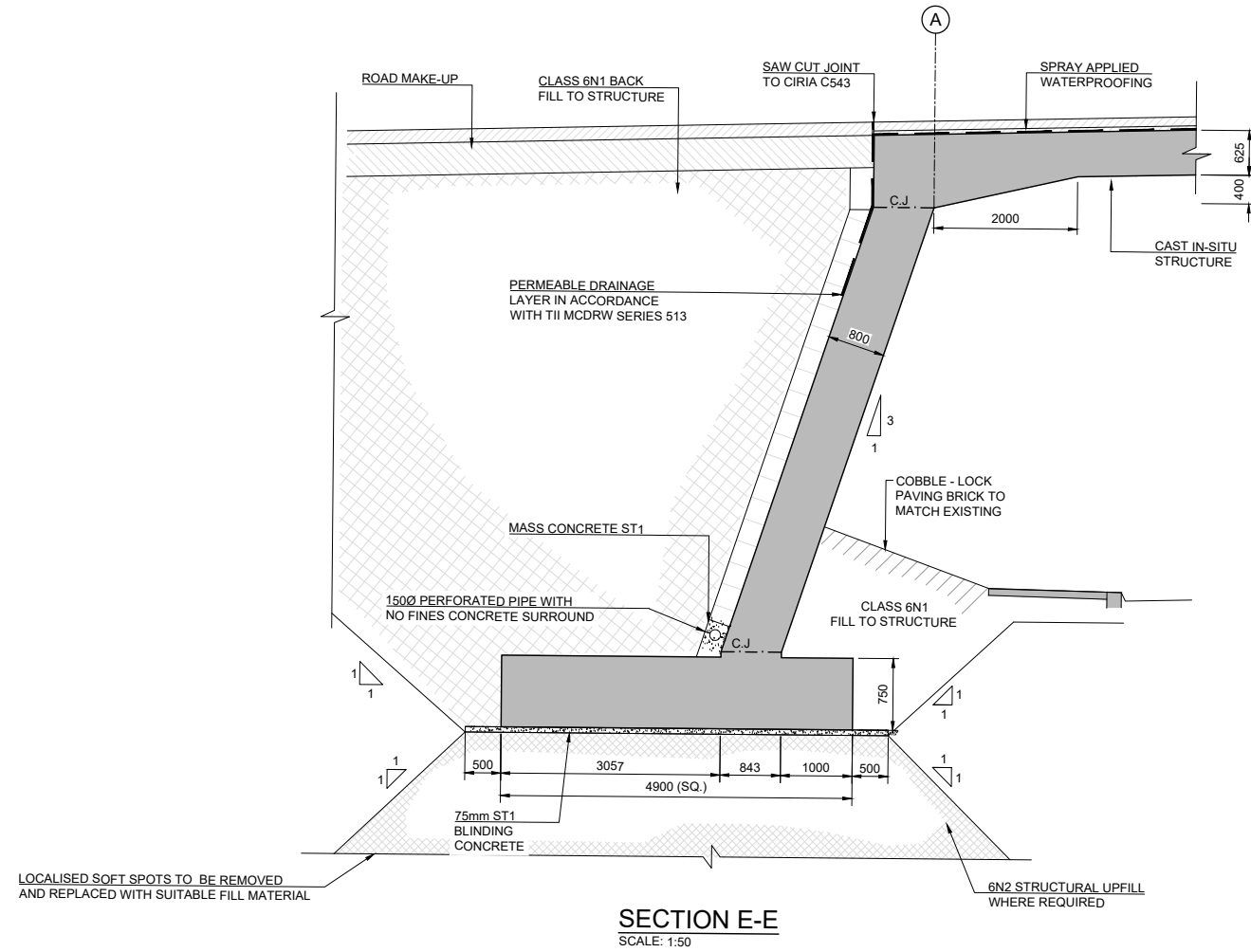
Programme Title: **BUSCONNECTS DUBLIN**
CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Drawing Title: **BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME**
BR_02 MILL ROAD BRIDGE
GENERAL ARRANGEMENT SHEET 3

Drawing File Name: BCIDC-ARP-STR_GA-0005_BR_02-DR-CB-0004
Sheet Number: 01 of 01
Status: A
Rev: M01

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- NOTES:**
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 2. ALL LEVELS ARE SHOWN IN METRES ABOVE ORDANCE DATUM.



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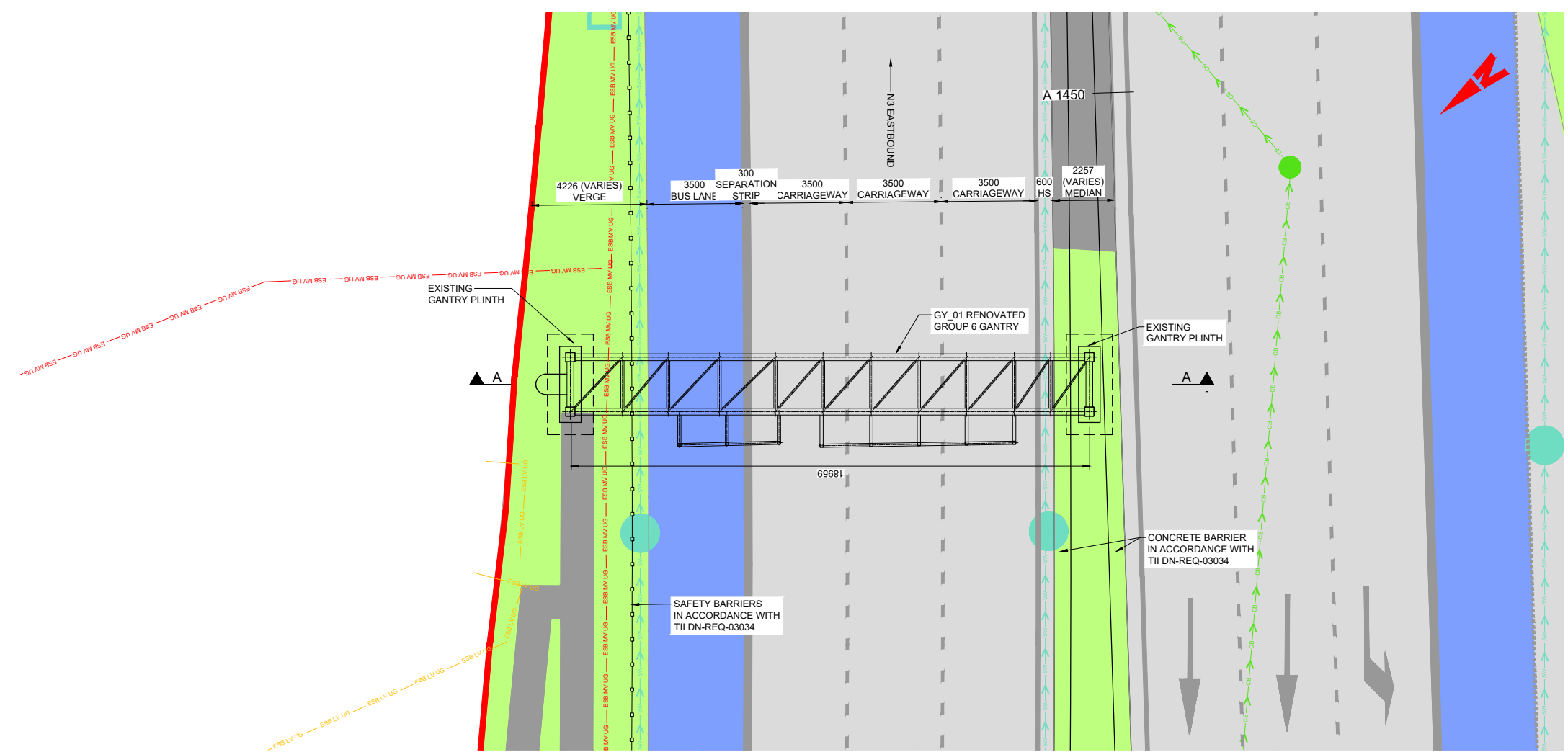


Rev	Date	Drn	Chk'd	App'd	Description
M01	04/04/2022	PK	CG	BD	ISSUE FOR PHASE 4: PLANNING

Client NTA Udarás Náisiúnta Iompair National Transport Authority		Engineering Designer ARUP		
Date 04/04/2022	Scale As Shown @ A1 As Shown @ A3	Drawn PK	Checked CG	Approved BD
Project Code BCIDC	Originator Code ARP	OMS Code 268401-00		

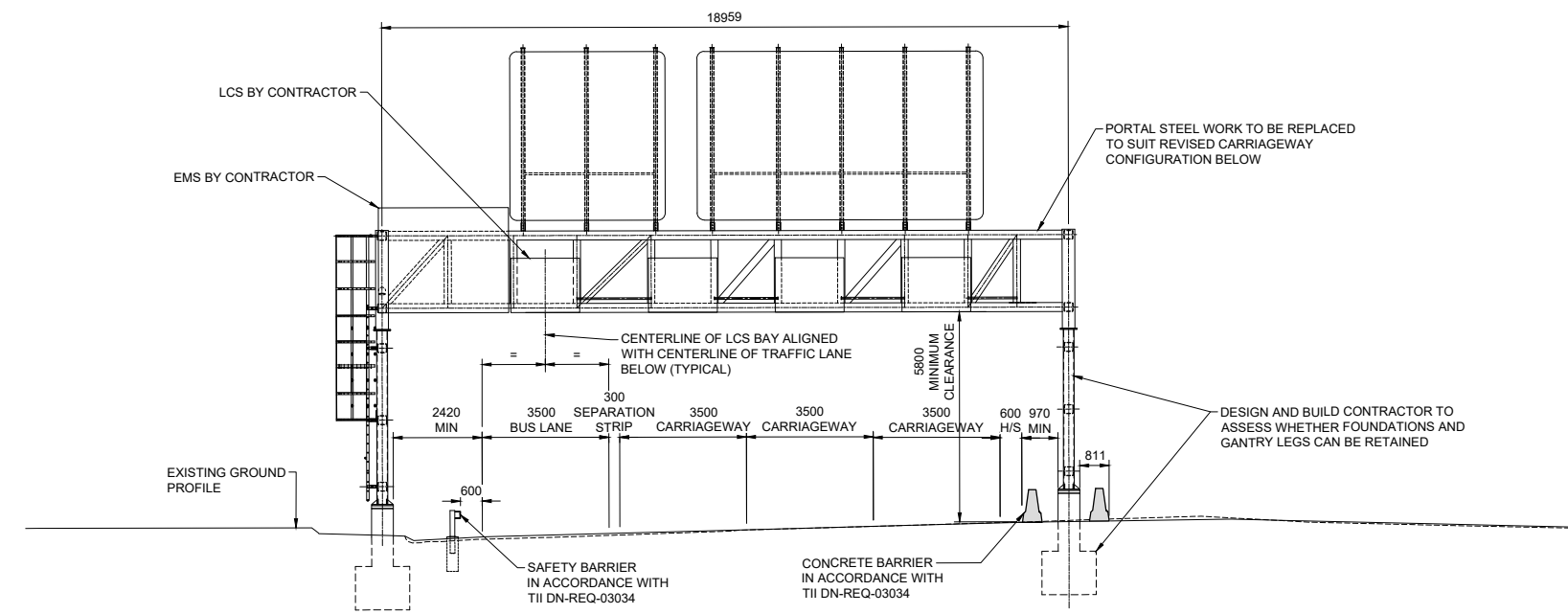
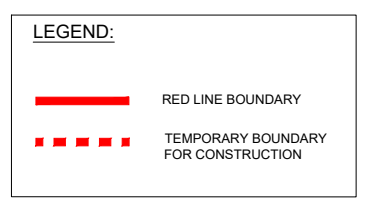
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Drawing Title BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME BR_02 MILL ROAD BRIDGE GENERAL ARRANGEMENT SHEET 4				
Drawing File Name BCIDC-ARP-STR_GA-0005_BR_02-DR-CB-0005	Sheet Number 01 of 01	Status A	Rev M01	

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PLAN ON RENOVATED GANTRY
SCALE: 1:100

- NOTES:**
- ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS NOTED OTHERWISE.
 - ALL LEVELS ARE SHOWN IN METERS ABOVE ORDNANCE DATUM.
 - GROUP 6 GANTRY STEEL SUPERSTRUCTURE TO BE IN ACCORDANCE WITH TII CC-SCD-01814 TO CC-SCD-01817.



SECTION A-A
SCALE: 1:100

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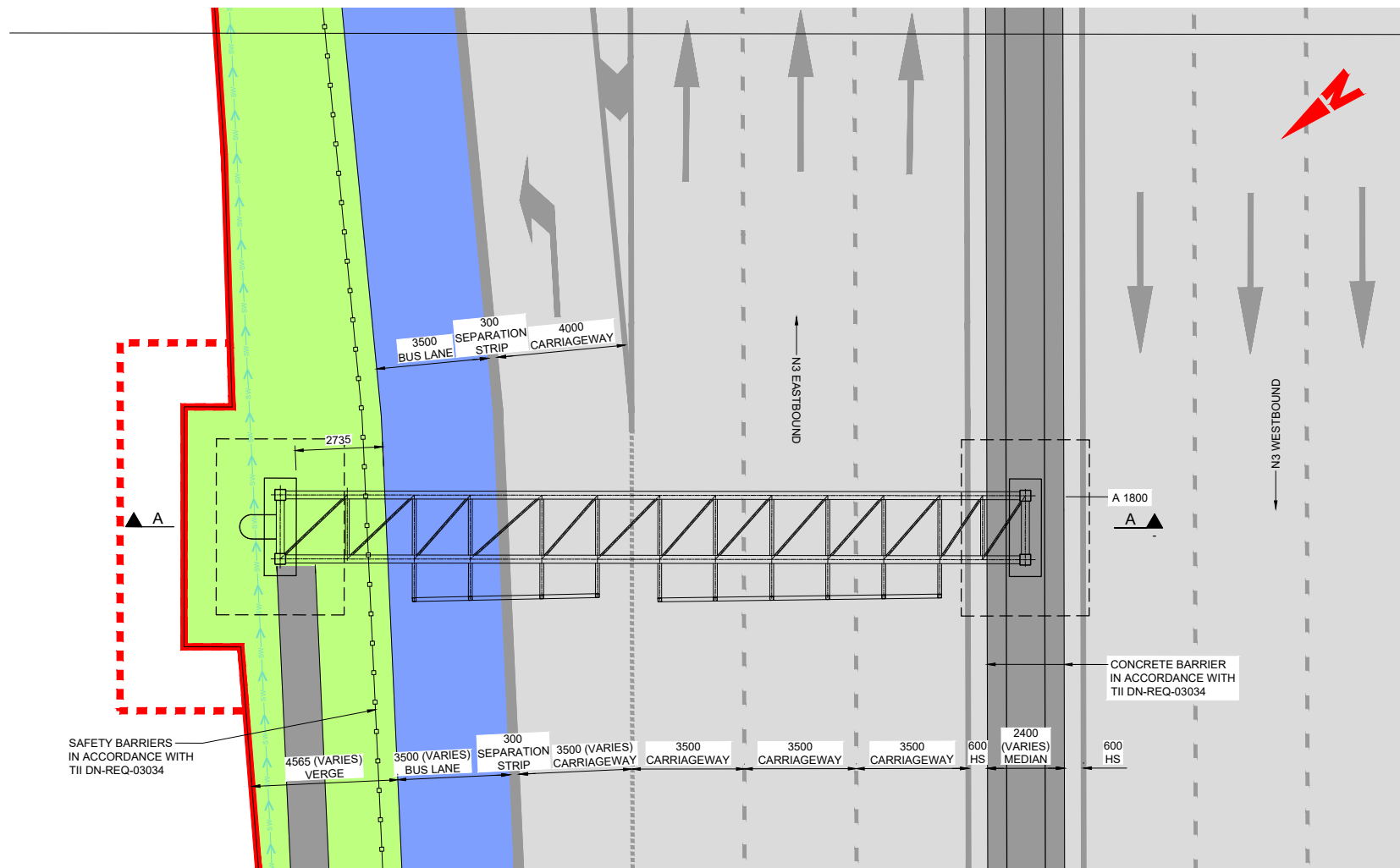
Rev	Date	Drn	Chk'd	App'd	Description
M01	04/04/2022	BM	CG	BD	ISSUE FOR PHASE 4: PLANNING

Client

Engineering Designer

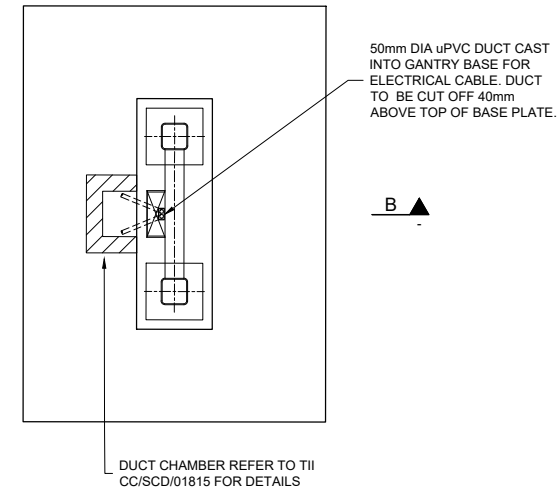
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Drawing Title		BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME GY_01 GROUP 6 GANTRY GENERAL ARRANGEMENT SHEET 1			
Date	04/04/2022	Scale	As Shown @ A1 As Shown @ A3	Drawn	BM
Checked	CG	Approved	BD		
Project Code	BCIDC	Originator Code	ARP	OMS Code	268401-00
Drawing File Name	BCIDC-ARP-STR_GA-0005_GY_01-DR-CB-0002	Sheet Number	01 of 01	Status	A
Rev	M01				

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PLAN ON PROPOSED GANTRY
SCALE: 1:100

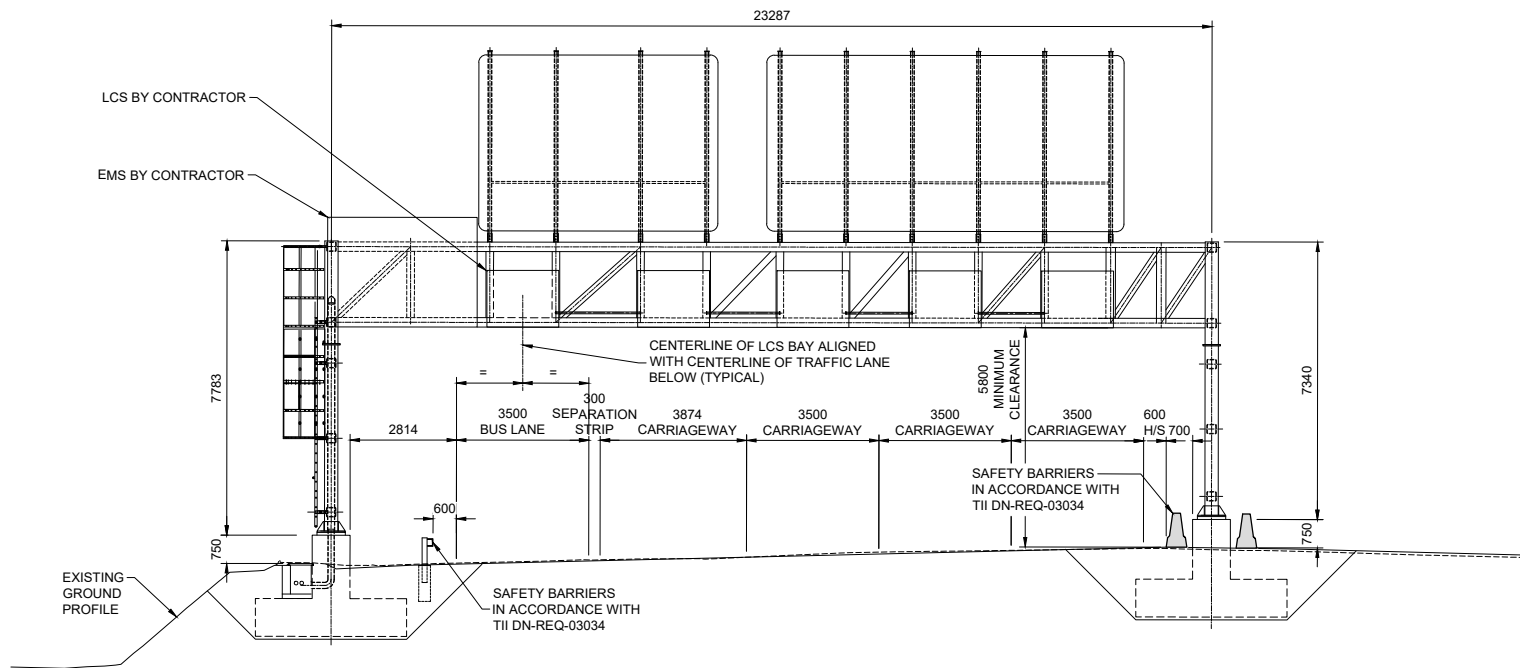
PLAN ON GANTRY FOUNDATION
SCALE: 1:50



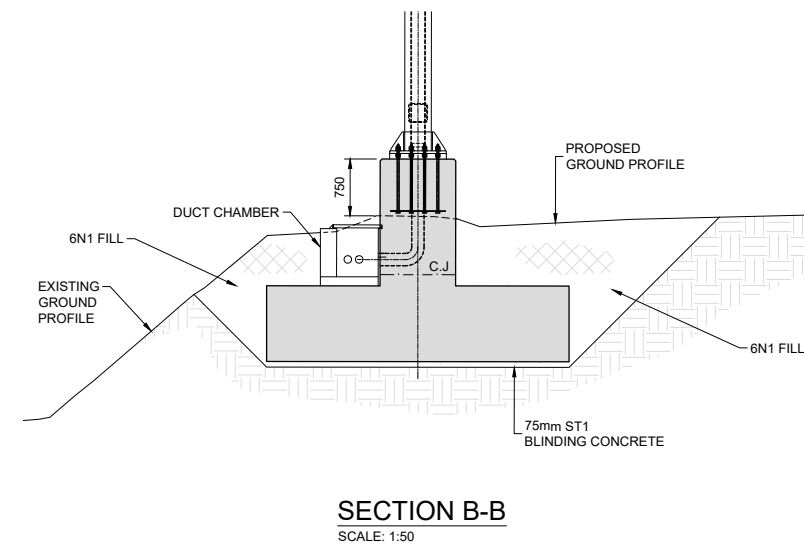
- NOTES:**
- ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS NOTED OTHERWISE.
 - ALL LEVELS ARE SHOWN IN METERS ABOVE ORDANCE DATUM.
 - FINISHES:
 - ALL EXPOSED FORMED SURFACES - F4
 - ALL EXPOSED UNFORMED SURFACES - U3
 - ALL BURIED/HIDDEN FORMED SURFACES - F1
 - ALL BURIED/HIDDEN UNFORMED SURFACES - U1
 - MATERIALS:
 - STRUCTURAL CONCRETE:
 - LOCATION: GANTRY BASE
 - CONCRETE GRADE: - C40/50 (50% GGBS)
 - NON-STRUCTURAL CONCRETE:
 - LOCATION: CONCRETE FOR BLINDING
 - CONCRETE GRADE: - ST1
 - STEEL:
 - LOCATION: FABRICATED STEEL PLANTED ELEMENTS
 - STEEL GRADE: - S355J2G3
 - STEEL HOLLOW SECTIONS - S355J2H
- NOTE: AREAS WITHIN 'SPASH ZONE' HAVE A MINIMUM CONCRETE GRADE C40/50 WITH A MINIMUM 50% GROUND GRANULATED BLAST FURNACE SLAG (GGBS).
- BURIED CONCRETE SURFACES SHALL BE TREATED WITH TWO COATS OF EPOXY RESIN WATERPROOFING PAINT IN ACCORDANCE WITH TII MCDRW SERIES 2000.
 - ALL EXPOSED CONCRETE SHALL BE IMPREGNATED WITH A HYDROPHOBIC PORE LINER IN ACCORDANCE WITH THE TII MCDRW SERIES 1700.
 - EXTERNAL CONCRETE ARISES TO BE CHAMFERED 25x25 UNO.
 - LOCALISED SOFT SPOTS, IF PRESENT, TO BE EXCAVATED AND REPLACED WITH 6N2.
 - GROUP 6 GANTRY STEEL SUPERSTRUCTURE TO BE IN ACCORDANCE WITH TII CC-SCD-01814 TO CC-SCD-01817.

LEGEND:

	RED LINE BOUNDARY
	TEMPORARY BOUNDARY FOR CONSTRUCTION



SECTION A-A
SCALE: 1:100



SECTION B-B
SCALE: 1:50

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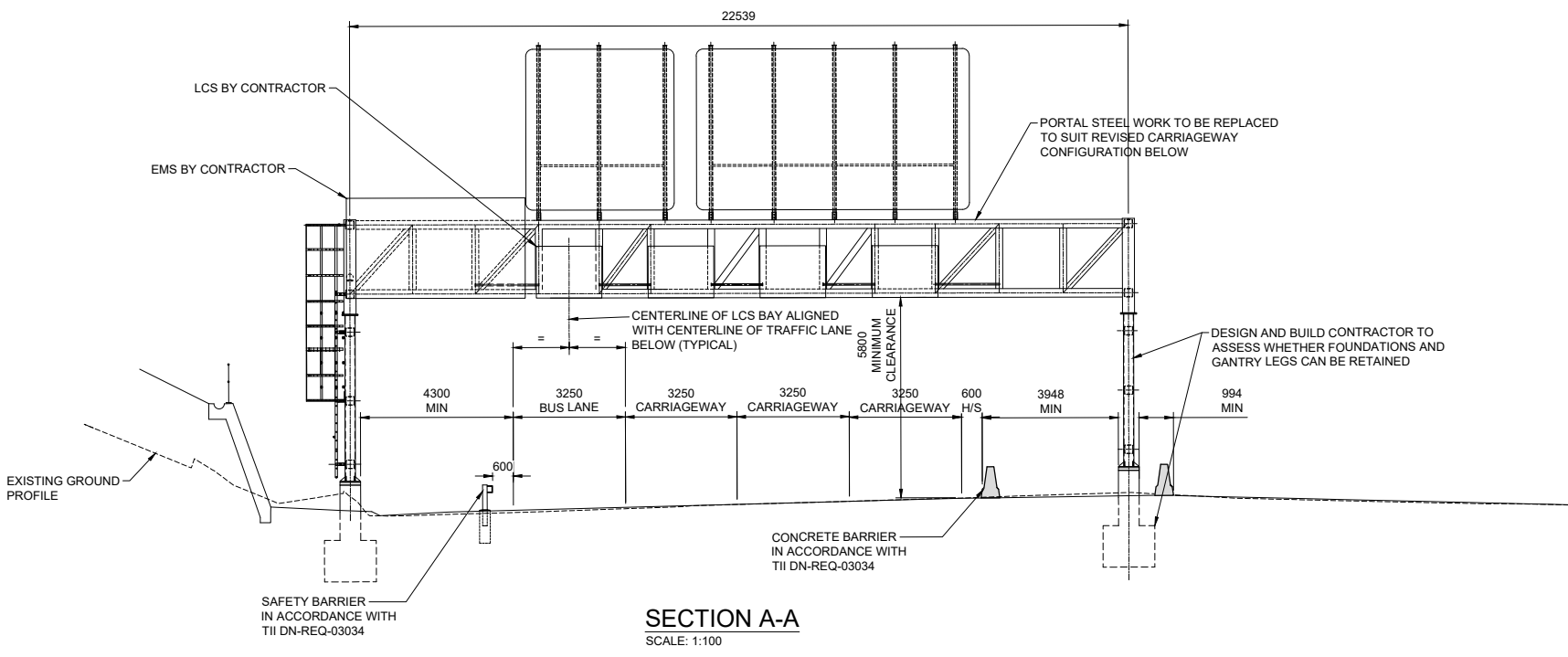
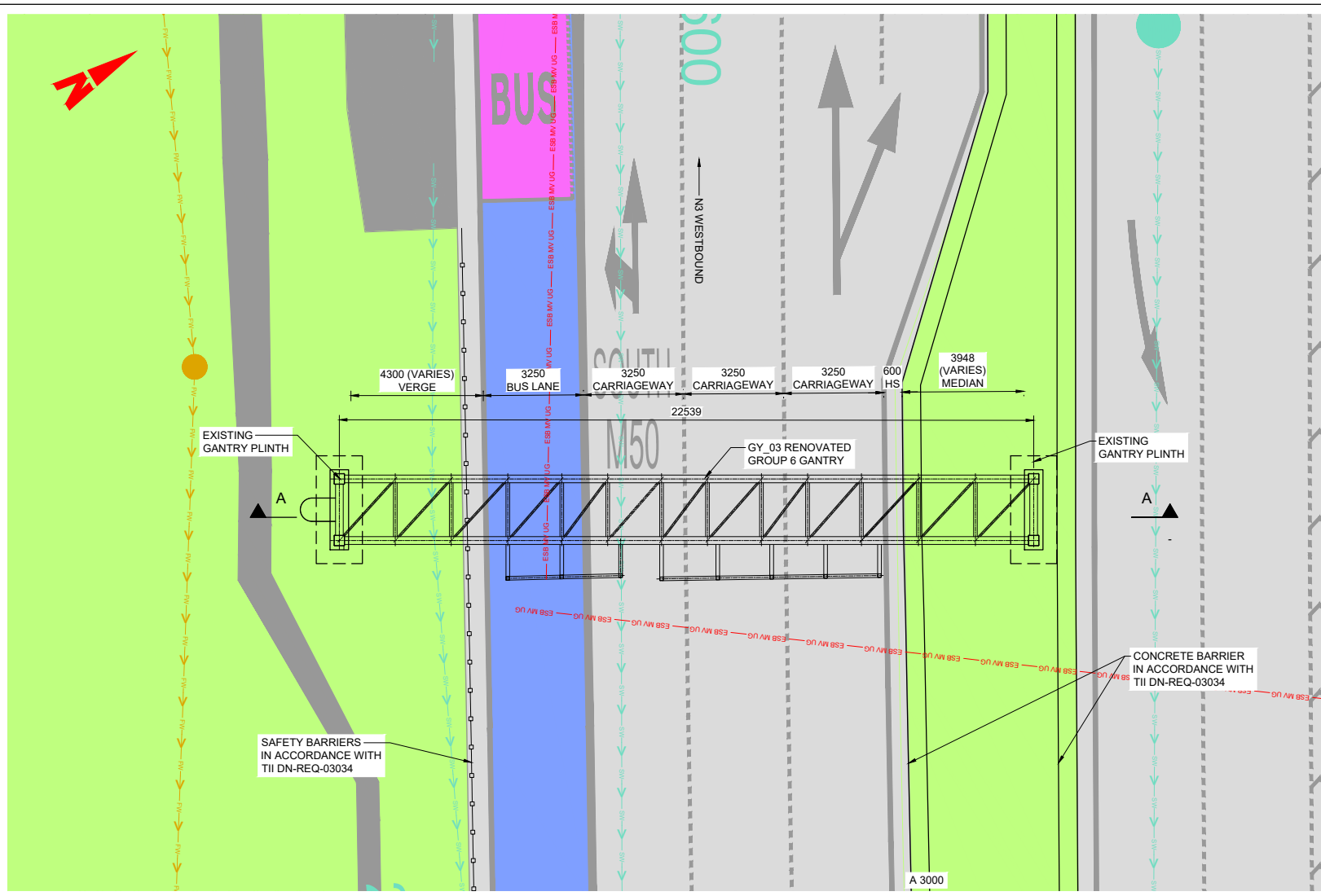
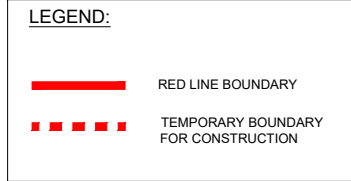


Rev	Date	Drn	Chk'd	App'd	Description
M01	04/04/2022	BM	CG	BD	ISSUE FOR PHASE 4: PLANNING

Client NTA Udarás Náisiúnta Iompair National Transport Authority		Engineering Designer ARUP		
Date 04/04/2022	Scale As Shown @ A1 As Shown @ A3	Drawn BM	Checked CG	Approved BD
Project Code BCIDC	Originator Code ARP	OMS Code 268401-00		

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME GY_02 GROUP 6 GANTRY GENERAL ARRANGEMENT SHEET 1				
Drawing File Name BCIDC-ARP-STR_GA-0005_GY_02-DR-CB-0002	Sheet Number 01 of 01	Status A	Rev M01	

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 - ALL LEVELS ARE SHOWN IN METERS ABOVE ORDNANCE DATUM.
 - GROUP 6 GANTRY STEEL SUPERSTRUCTURE TO BE IN ACCORDANCE WITH TII CC-SCD-01814 TO CC-SCD-01817.



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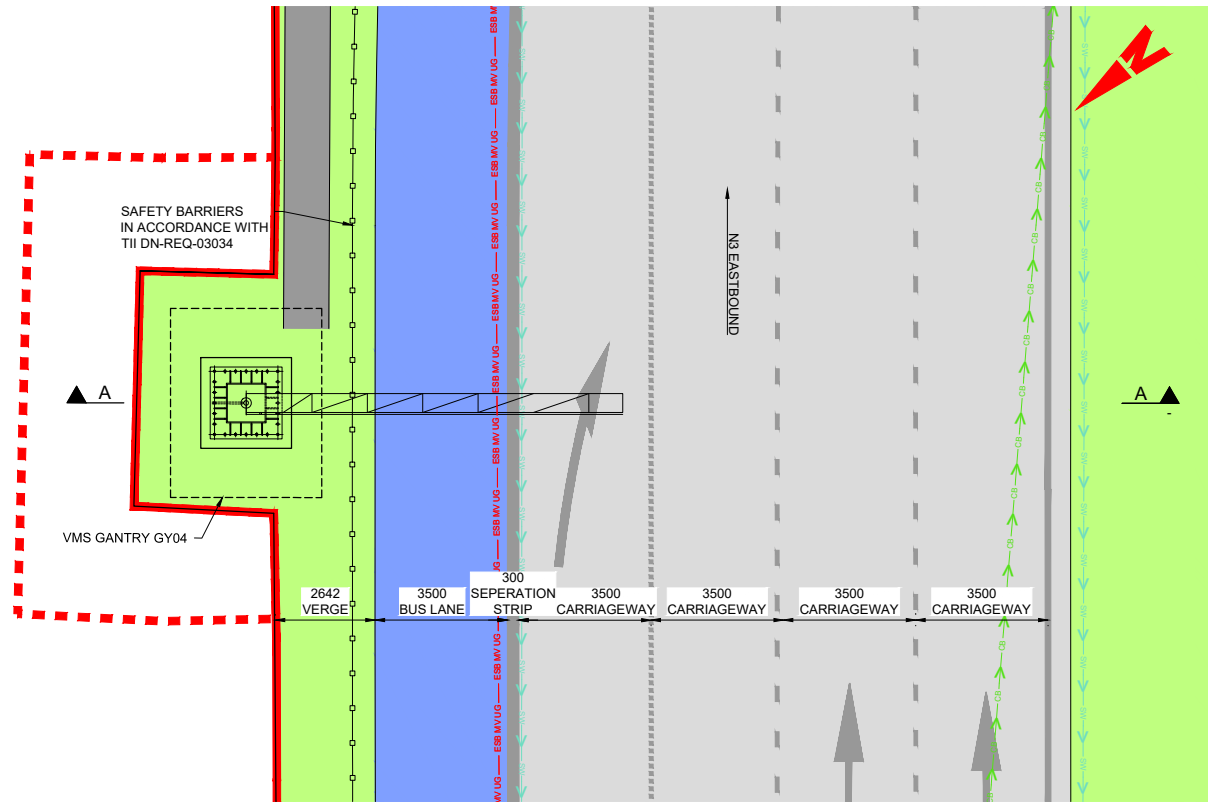
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M01	04/04/2022	BM	CG	BD	ISSUE FOR PHASE 4: PLANNING

Client

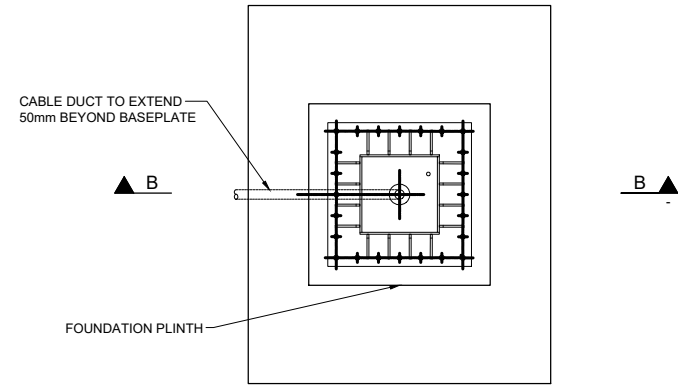
Engineering Designer

Programme Title		BUSCONNECTS DUBLIN			
		CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title		BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME			
		GY_03 GROUP 6 GANTRY			
		GENERAL ARRANGEMENT SHEET 1			
Drawing File Name	Sheet Number	Status	Rev		
BCIDC-ARP-STR_GA-0005_GY_03-DR-CB-0002	01 of 01	A	M01		

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PLAN ON PROPOSED GANTRY
SCALE: 1:100



PLAN ON GANTRY FOUNDATION
SCALE: 1:50

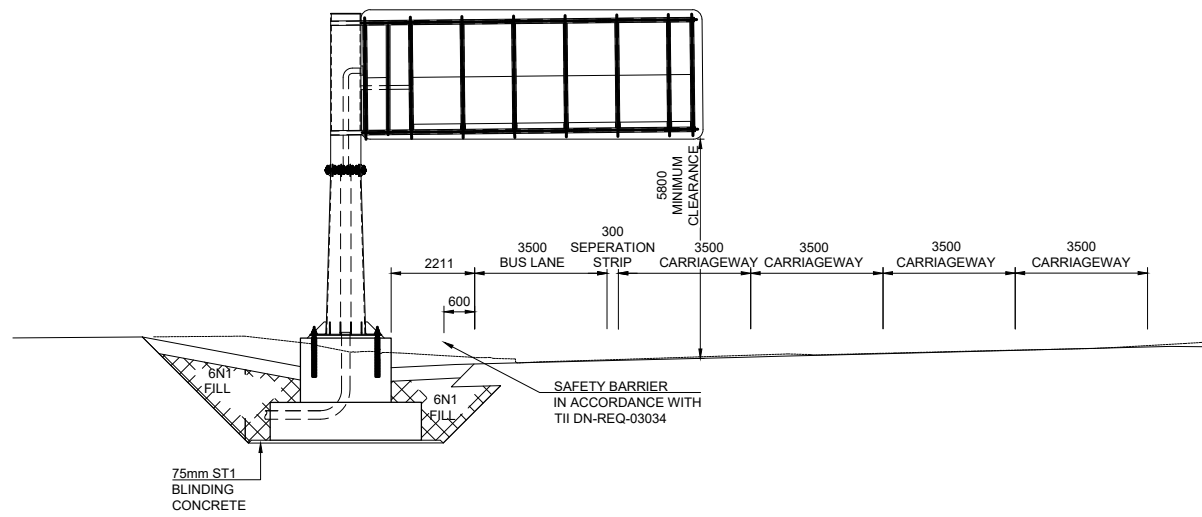
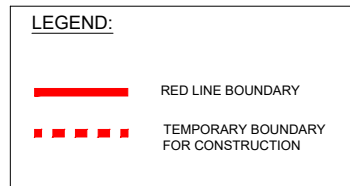
- NOTES:**
- ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS NOTED OTHERWISE.
 - ALL LEVELS ARE SHOWN IN METERS ABOVE ORDNANCE DATUM.
 - FINISHES:

ALL EXPOSED FORMED SURFACES	- F4
ALL EXPOSED UNFORMED SURFACES	- U3
ALL BURRIED/HIDDEN FORMED SURFACES	- F1
ALL BURRIED/HIDDEN UNFORMED SURFACES	- U1
 - MATERIALS:

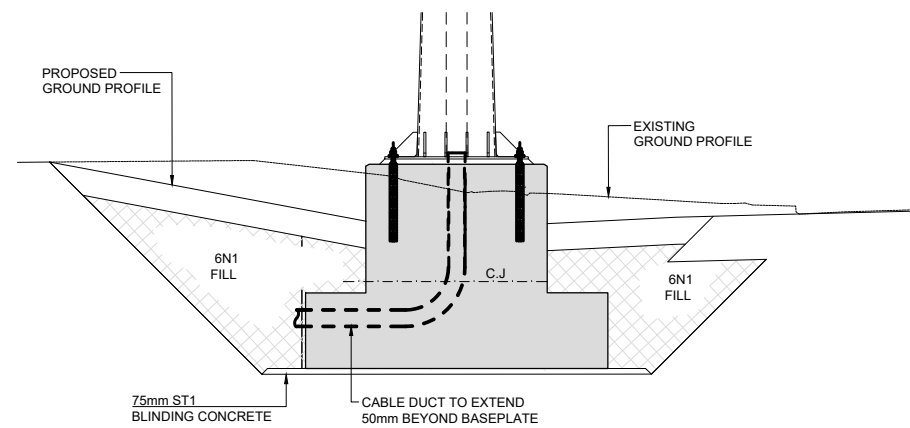
STRUCTURAL CONCRETE:	
LOCATION:	CONCRETE GRADE:
GANTRY BASE	- C40/50 (50% GGBS)
GANTRY PLINTH	- C40/50 (50% GGBS)
NON-STRUCTURAL CONCRETE:	
LOCATION:	CONCRETE GRADE:
CONCRETE FOR BLINDING	- ST1

NOTE: AREAS WITHIN 'SPASH ZONE' HAVE A MINIMUM CONCRETE GRADE C40/50 WITH A MINIMUM 50% GROUND GRANULATED BLAST FURNACE SLAG (GGBS).

STEEL:	
LOCATION:	STEEL GRADE:
FABRICATED STEEL PLATED ELEMENTS	- S355J2G3
STEEL HOLLOW SECTIONS	- S355J2H
 - BURIED CONCRETE SURFACES SHALL BE TREATED WITH TWO COATS OF EPOXY RESIN WATERPROOFING PAINT IN ACCORDANCE WITH TII MCDRW SERIES 2000.
 - ALL EXPOSED CONCRETE SHALL BE IMPREGNATED WITH A HYDROPHOBIC PORE LINER IN ACCORDANCE WITH THE TII MCDRW SERIES 1700.
 - EXTERNAL CONCRETE ARISING TO BE CHAMFERED 25x25 UNO.
 - THE DUCTING, CHAMBER AND CABINET ARRANGEMENT FOR THE DISTRIBUTION OF ESB POWER SUPPLIES, FEEDER PILLARS AND COMMUNICATION CABLING SHALL BE IN ACCORDANCE WITH TII SPECIFICATIONS.
 - LOCALISED SOFT SPOTS, IF PRESENT, TO BE EXCAVATED AND REPLACED WITH 6N2.



SECTION A-A
SCALE: 1:100



SECTION B-B
SCALE: 1:50

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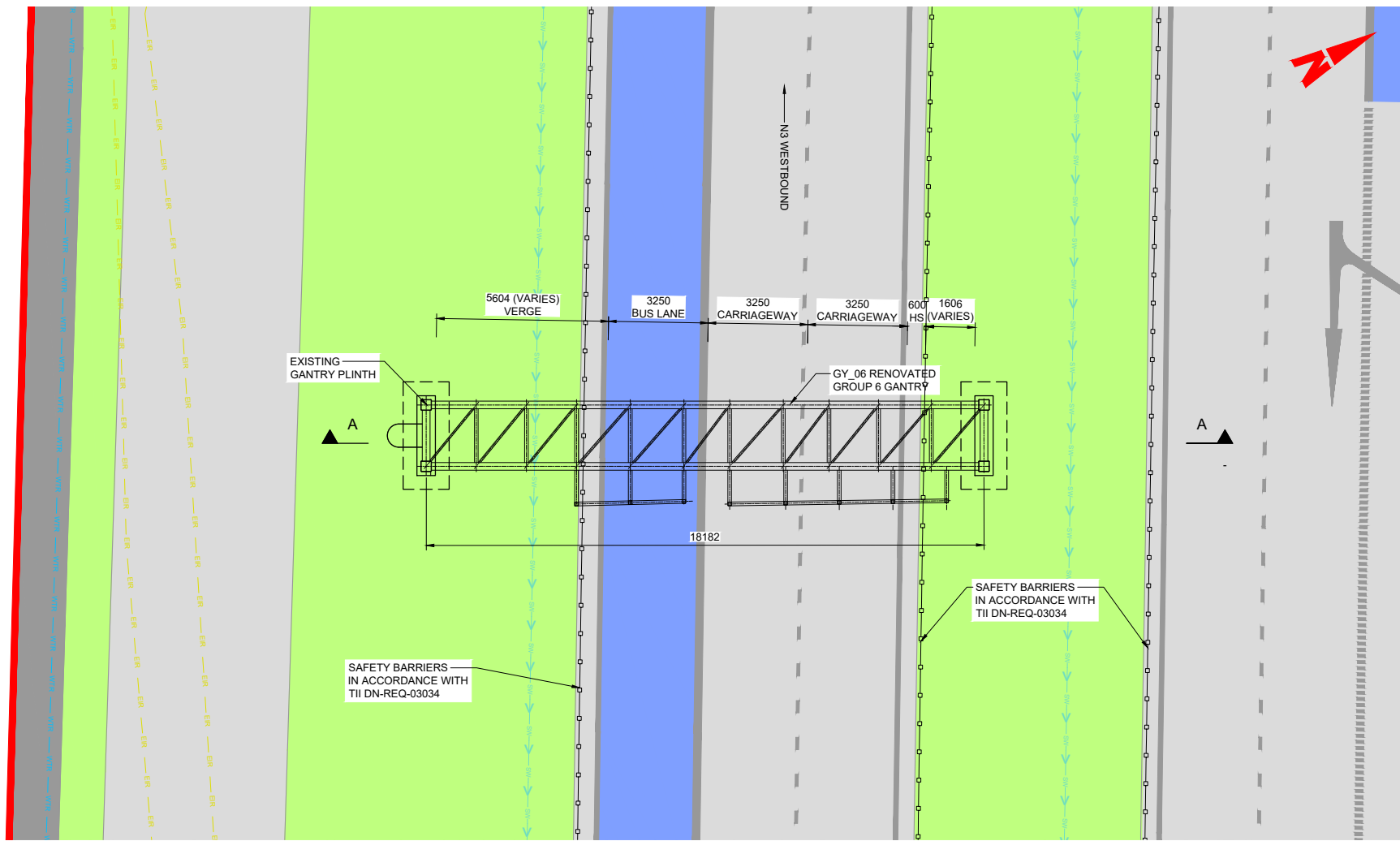
Rev	Date	Drn	Chk'd	App'd	Description
M01	04/04/2022	BM	CG	DC	ISSUE FOR PHASE 4: PLANNING

Date	04/04/2022	Scale	A.S. @ A1 AS SHOWN @ A3
Drawn	BM	Checked	CG
Approved	DC	OMS Code: 268401-00	

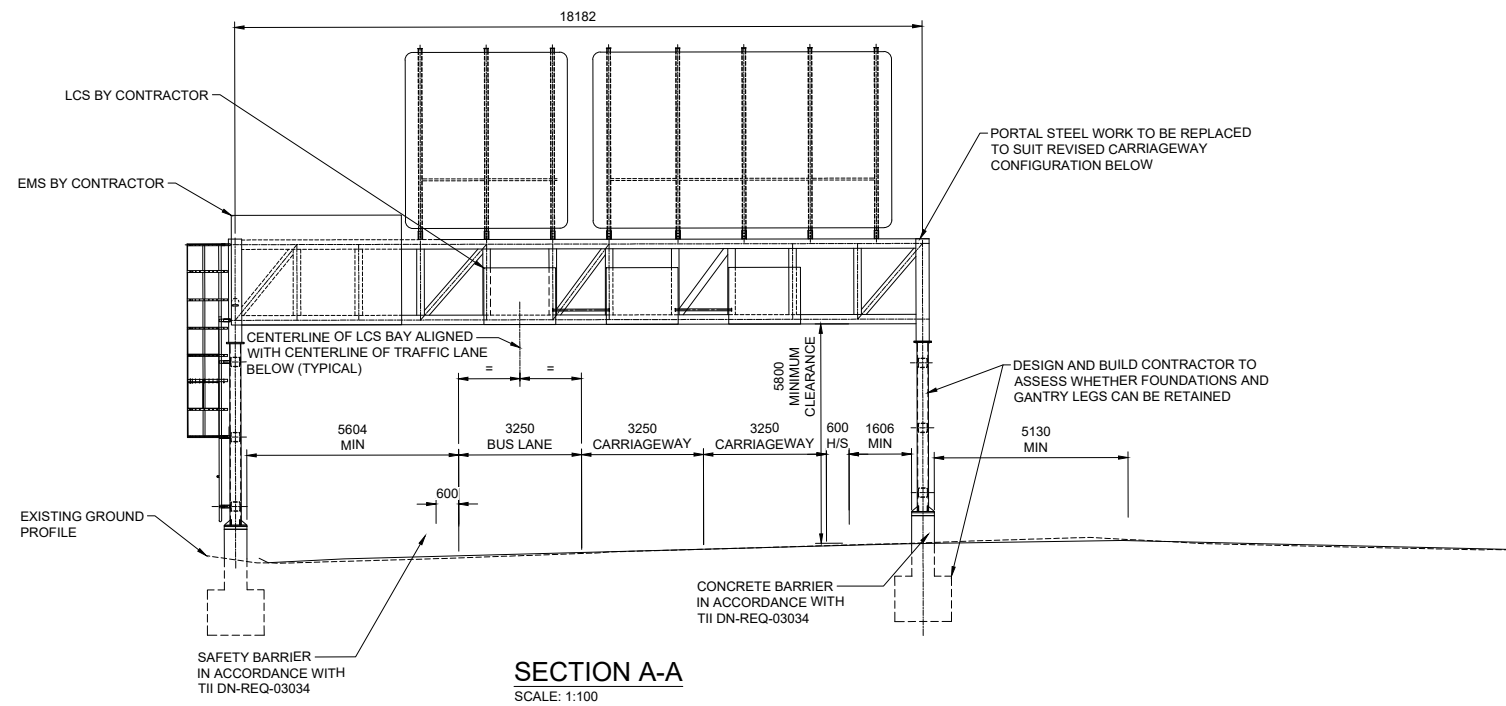
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Drawing Title BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME GY_04 VMS GANTRY GENERAL ARRANGEMENT SHEET 1			
Drawing File Name	BCIDC-ARP-STR_GA-0005_GY_04-DR-CB-0002	Sheet Number	01 of 01
Status	A	Rev	M01

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PLAN ON RENOVATED GANTRY
SCALE: 1:100



SECTION A-A
SCALE: 1:100

NOTES:

1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS NOTED OTHERWISE.
2. ALL LEVELS ARE SHOWN IN METERS ABOVE ORDINANCE DATUM.
3. GROUP 6 GANTRY STEEL SUPERSTRUCTURE TO BE IN ACCORDANCE WITH TII CC-SCD-01814 TO CC-SCD-01817.

LEGEND:

- RED LINE BOUNDARY
- - - - TEMPORARY BOUNDARY FOR CONSTRUCTION

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Transverse Mercator Grid (ITM) as defined by OSI active local GPS station.
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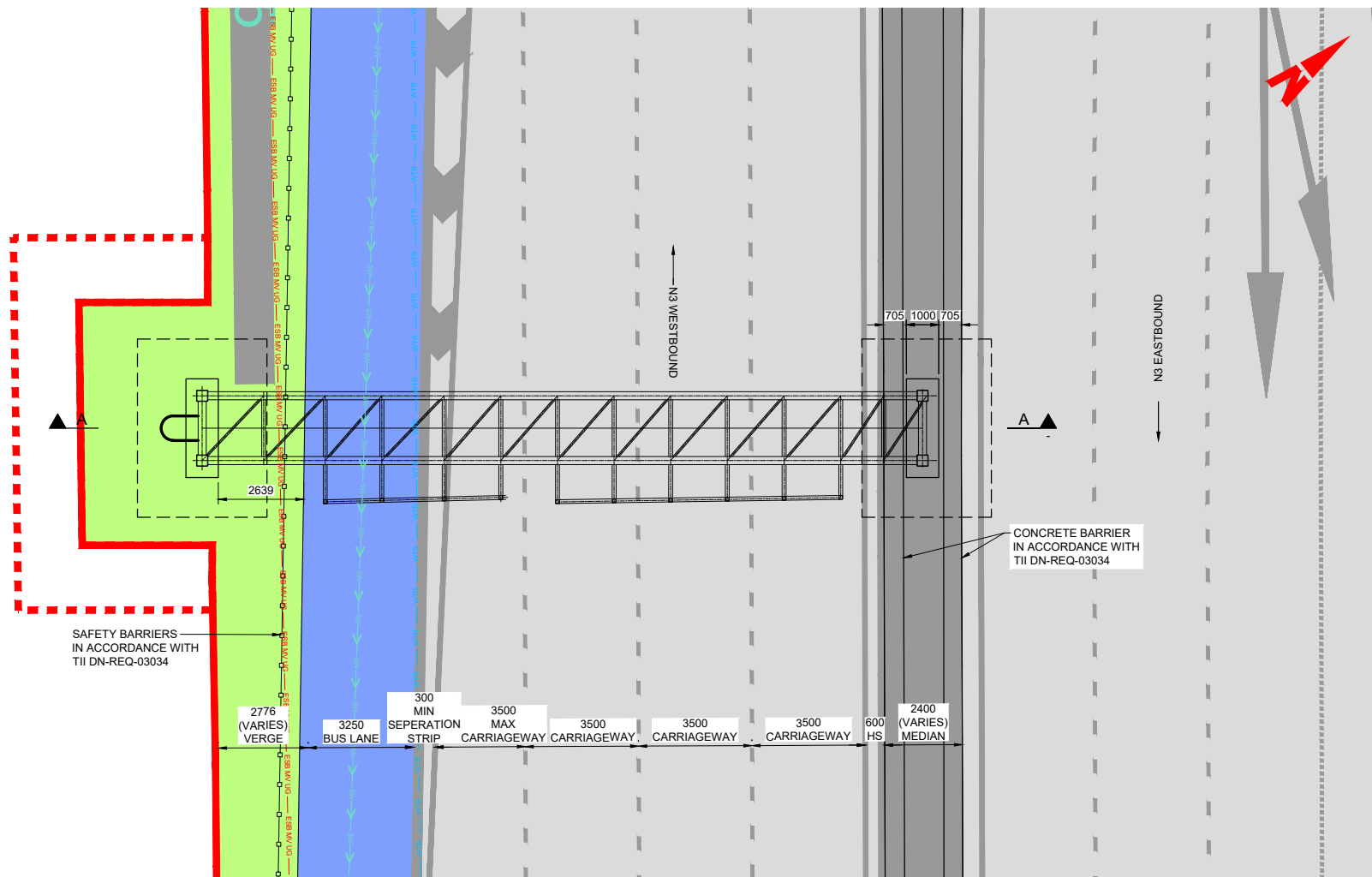
Rev	Date	Drn	Chk'd	App'd	Description
M01	04/04/2022	BM	CG	BD	ISSUE FOR PHASE 4: PLANNING

Client
NTA
Udarás Náisiúnta Iompair
National Transport Authority

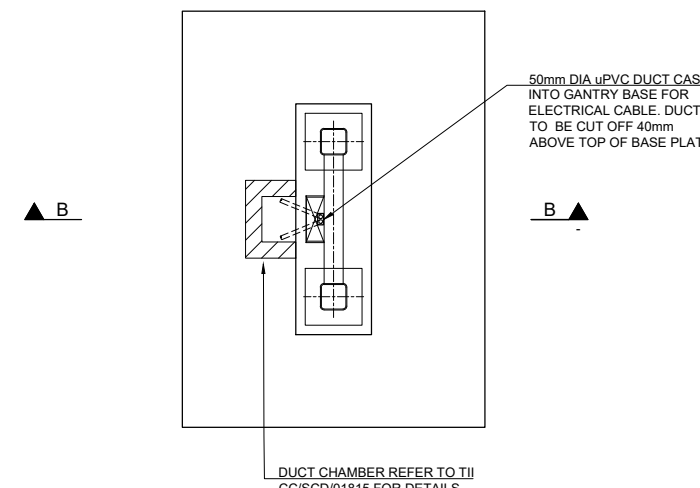
Engineering Designer
ARUP

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS	
Drawing Title BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME GY_06 GROUP 6 GANTRY GENERAL ARRANGEMENT SHEET 1	
Date 04/04/2022	Scale As Shown @ A1 As Shown @ A3
Drawn BM	Checked CG
Approved BD	
Project Code BCIDC	Originator Code ARP
OMS Code 268401-00	Drawing File Name BCIDC-ARP-STR_GA-0005_GY_06-DR-CB-0002
Sheet Number 01 of 01	Status A
Rev M01	

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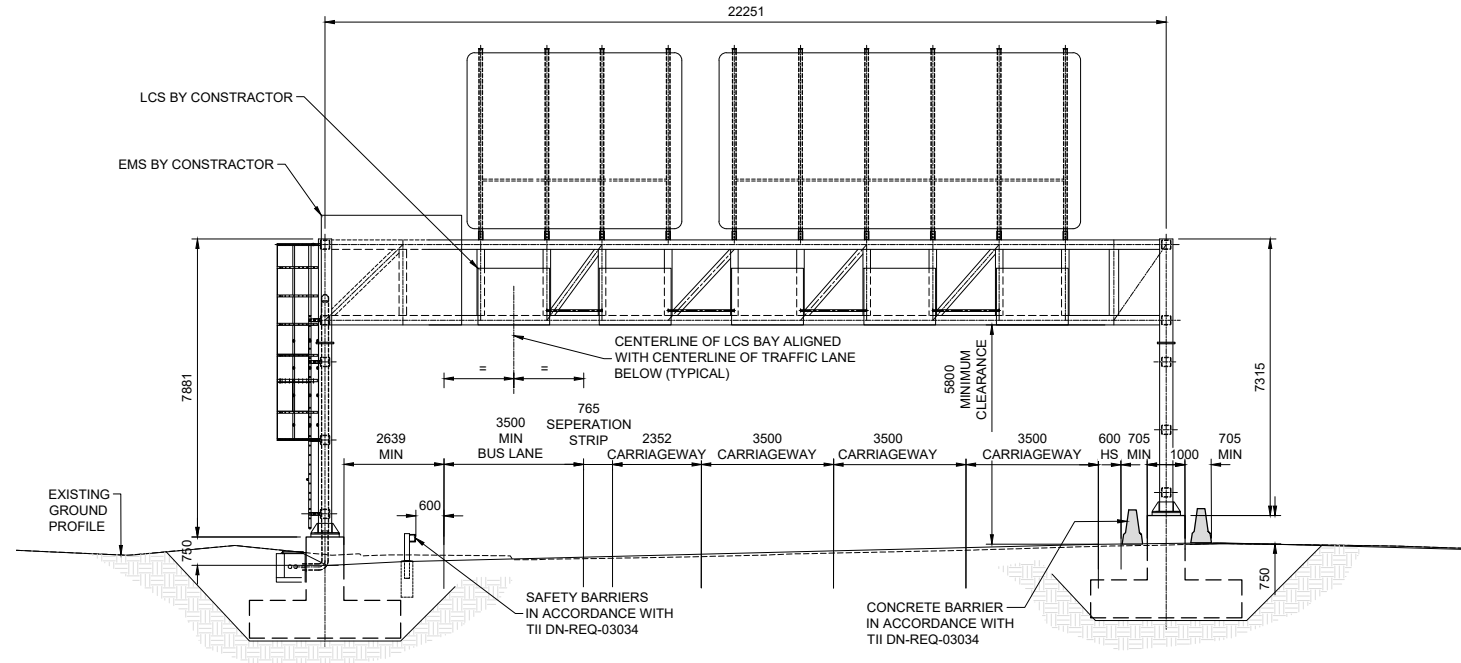
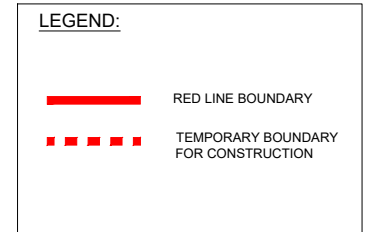


PLAN ON PROPOSED GANTRY
SCALE: 1:100

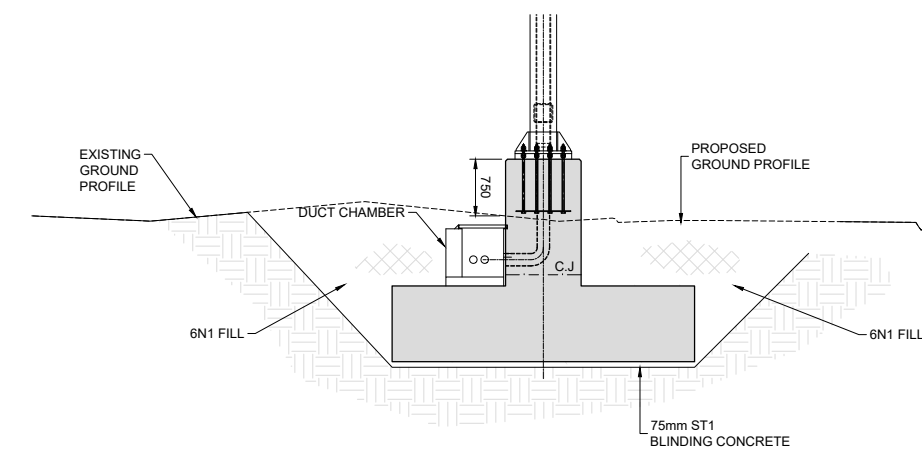


PLAN ON GANTRY FOUNDATION
SCALE: 1:50

- NOTES:**
- ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS NOTED OTHERWISE.
 - ALL LEVELS ARE SHOWN IN METERS ABOVE ORDANCE DATUM.
 - FINISHES:
 - ALL EXPOSED FORMED SURFACES - F4
 - ALL EXPOSED UNFORMED SURFACES - U3
 - ALL BURIED/HIDDEN FORMED SURFACES - F1
 - ALL BURIED/HIDDEN UNFORMED SURFACES - U1
 - MATERIALS:
 - STRUCTURAL CONCRETE:
 - LOCATION: GANTRY BASE
 - CONCRETE GRADE: - C40/50 (50% GGBS)
 - NON-STRUCTURAL CONCRETE:
 - LOCATION: CONCRETE FOR BLINDING
 - CONCRETE GRADE: - ST1
 - STEEL:
 - LOCATION: FABRICATED STEEL PLANTED ELEMENTS
 - STEEL GRADE: - S355J2G3
 - STEEL HOLLOW SECTIONS - S355J2H
- NOTE: AREAS WITHIN 'SPASH ZONE' HAVE A MINIMUM CONCRETE GRADE C40/50 WITH A MINIMUM 50% GROUND GRANULATED BLAST FURNACE SLAG (GGBS).
- BURIED CONCRETE SURFACES SHALL BE TREATED WITH TWO COATS OF EPOXY RESIN WATERPROOFING PAINT IN ACCORDANCE WITH TII MCDRW SERIES 2000.
 - ALL EXPOSED CONCRETE SHALL BE IMPREGNATED WITH A HYDROPHOBIC PORE LINER IN ACCORDANCE WITH THE TII MCDRW SERIES 1700.
 - EXTERNAL CONCRETE ARISES TO BE CHAMFERED 25x25 UNO.
 - LOCALISED SOFT SPOTS, IF PRESENT, TO BE EXCAVATED AND REPLACED WITH 6N2.
 - GROUP 6 GANTRY STEEL SUPERSTRUCTURE TO BE IN ACCORDANCE WITH TII CC-SCD-01814 TO CC-SCD-01817.



SECTION A-A
SCALE: 1:100



SECTION B-B
SCALE: 1:50

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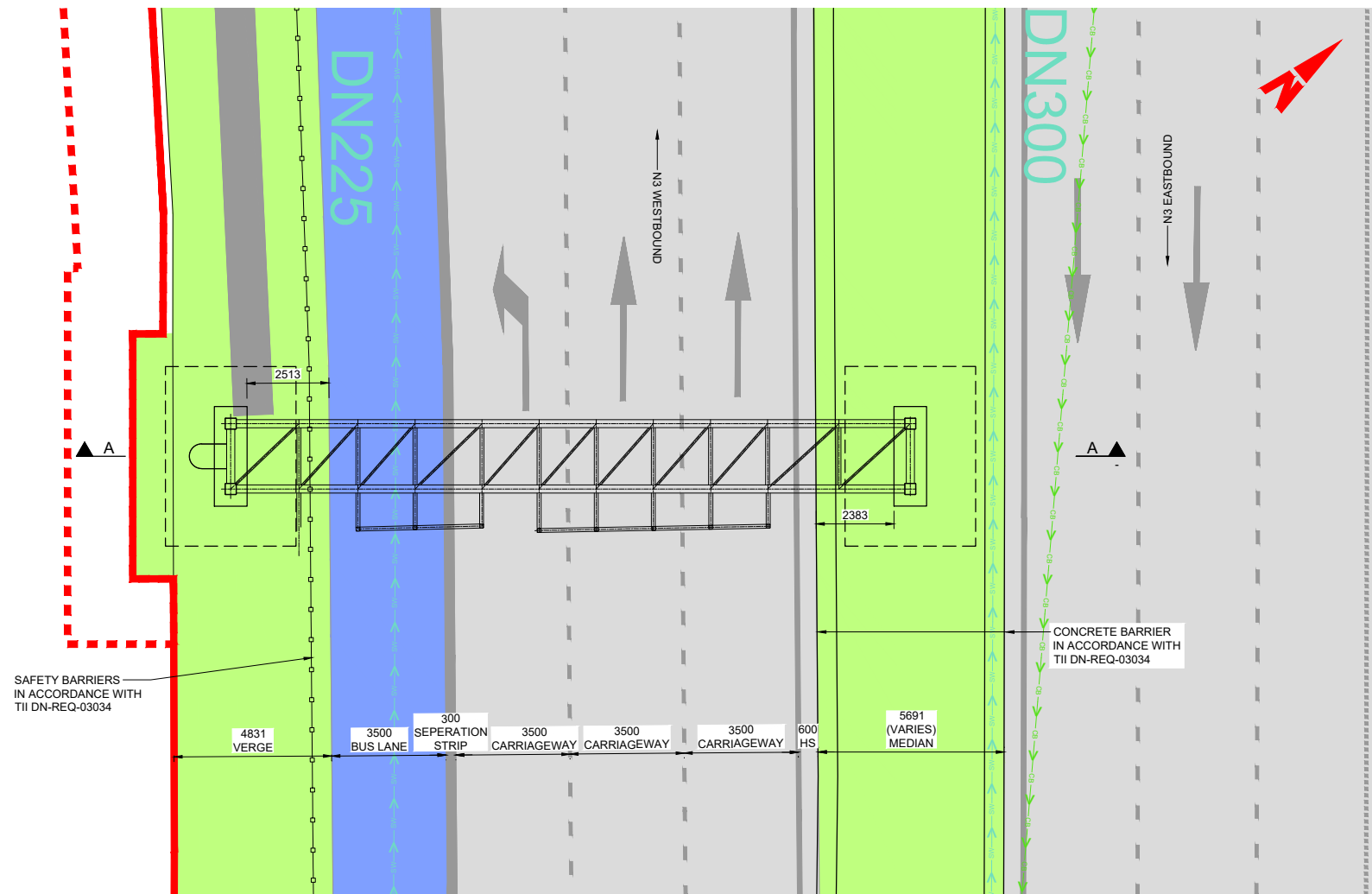


Rev	Date	Drn	Chk'd	App'd	Description
M01	04/04/2022	BM	CG	BD	ISSUE FOR PHASE 4: PLANNING

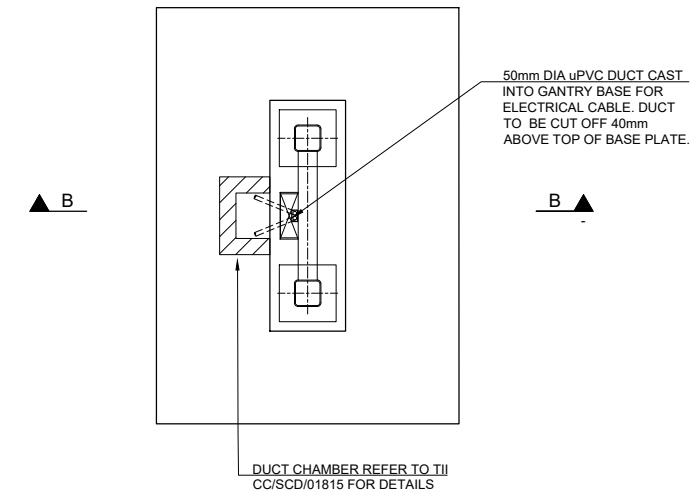
Client NTA Udarás Náisiúnta Iompair National Transport Authority		Engineering Designer ARUP		
Date 04/04/2022	Scale As Shown @ A1 As Shown @ A3	Drawn BM	Checked CG	Approved BD
Project Code BCIDC	Originator Code ARP	OMS Code 268401-00		

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME GY_07 GROUP 6 GANTRY GENERAL ARRANGEMENT SHEET 1				
Drawing File Name BCIDC-ARP-STR_GA-0005_GY_07-DR-CB-0002	Sheet Number 01 of 01	Status A	Rev M01	

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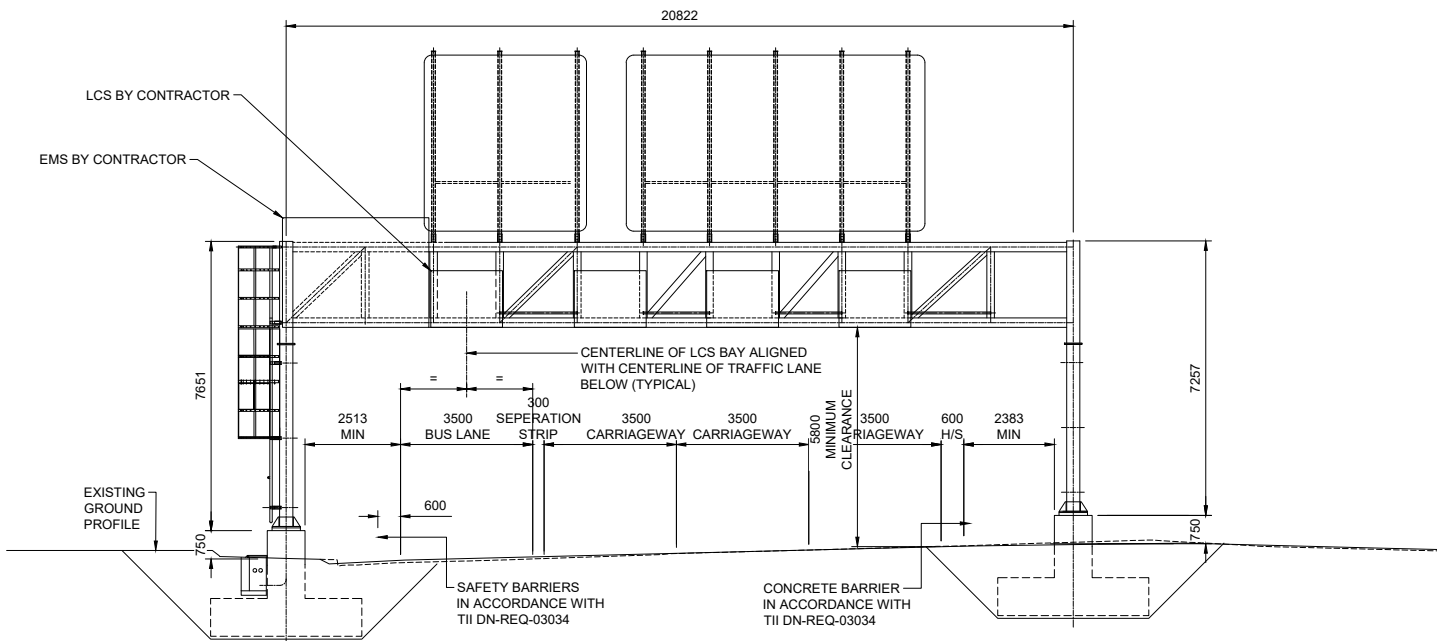
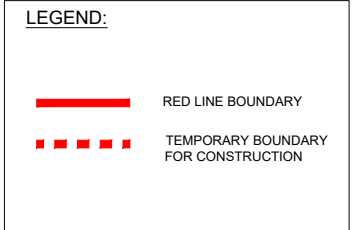


PLAN ON PROPOSED GANTRY
SCALE: 1:100

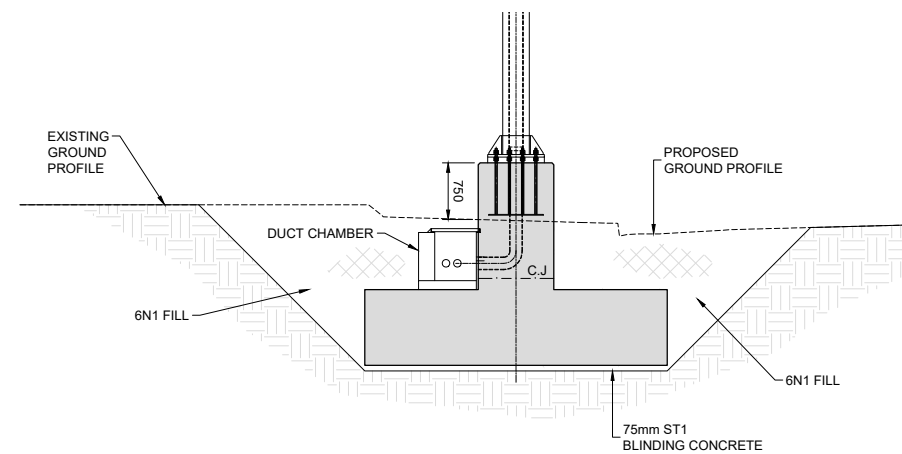


PLAN ON GANTRY FOUNDATION
SCALE: 1:50

- NOTES:**
- ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS NOTED OTHERWISE.
 - ALL LEVELS ARE SHOWN IN METERS ABOVE ORDANCE DATUM.
 - FINISHES:
 - ALL EXPOSED FORMED SURFACES - F4
 - ALL EXPOSED UNFORMED SURFACES - U3
 - ALL BURIED/HIDDEN FORMED SURFACES - F1
 - ALL BURIED/HIDDEN UNFORMED SURFACES - U1
 - MATERIALS:
 - STRUCTURAL CONCRETE:
 - LOCATION: GANTRY BASE
 - CONCRETE GRADE: - C40/50 (50% GGBS)
 - NON-STRUCTURAL CONCRETE:
 - LOCATION: CONCRETE FOR BLINDING
 - CONCRETE GRADE: - ST1
 - STEEL:
 - LOCATION: FABRICATED STEEL PLATED ELEMENTS
 - STEEL GRADE: - S355J2G3
 - STEEL HOLLOW SECTIONS - S355J2H
 - NOTE: AREAS WITHIN 'SPASH ZONE' HAVE A MINIMUM CONCRETE GRADE C40/50 WITH A MINIMUM 50% GROUND GRANULATED BLAST FURNACE SLAG (GGBS).
 - BURIED CONCRETE SURFACES SHALL BE TREATED WITH TWO COATS OF EPOXY RESIN WATERPROOFING PAINT IN ACCORDANCE WITH TII MCDRW SERIES 2000.
 - ALL EXPOSED CONCRETE SHALL BE IMPREGNATED WITH A HYDROPHOBIC PORE LINER IN ACCORDANCE WITH THE TII MCDRW SERIES 1700.
 - EXTERNAL CONCRETE RISES TO BE CHAMFERED 25x25 UNO.
 - LOCALISED SOFT SPOTS, IF PRESENT, TO BE EXCAVATED AND REPLACED WITH 6N2.
 - GROUP 6 GANTRY STEEL SUPERSTRUCTURE TO BE IN ACCORDANCE WITH TII CC-SCD-01814 TO CC-SCD-01817.



SECTION A-A
SCALE: 1:100



SECTION B-B
SCALE: 1:50

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

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

Engineering Designer: **ARUP**

Date: 04/04/2022
Scale: As Shown @ A1
As Shown @ A3

Drawn: BM
Checked: CG
Approved: BD

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

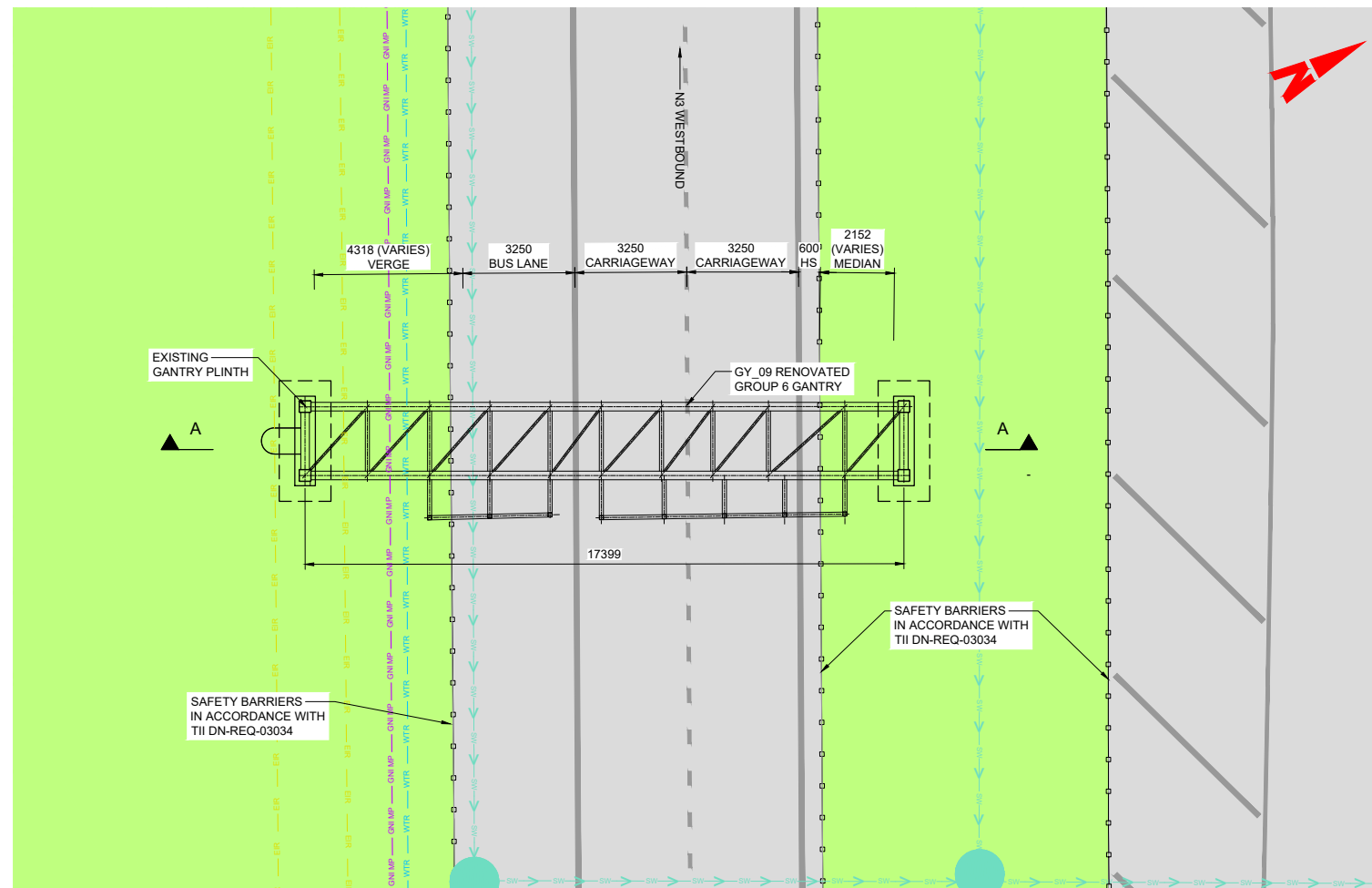
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Drawing Title: BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME GY_08 GROUP 6 GANTRY GENERAL ARRANGEMENT SHEET 1			
Drawing File Name: BCIDC-ARP-STR_GA-0005_GY_08-DR-CB-0002	Sheet Number: 01 of 01	Status: A	Rev: M01

NOTES:

1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS NOTED OTHERWISE.
2. ALL LEVELS ARE SHOWN IN METERS ABOVE ORDINANCE DATUM.
3. GROUP 6 GANTRY STEEL SUPERSTRUCTURE TO BE IN ACCORDANCE WITH TII CC-SCD-01814 TO CC-SCD-01817.

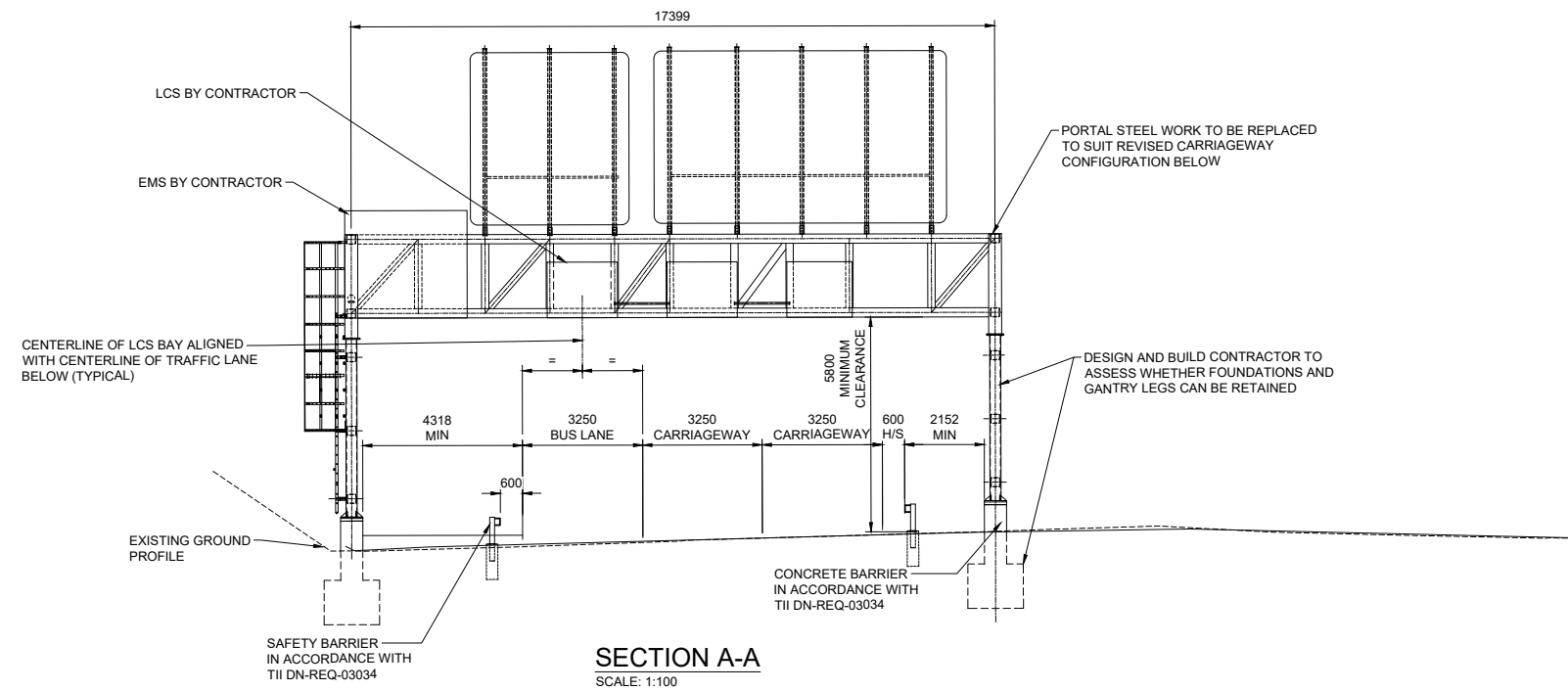
LEGEND:

- RED LINE BOUNDARY
- - - - TEMPORARY BOUNDARY FOR CONSTRUCTION



PLAN ON RENOVATED GANTRY

SCALE: 1:100



SECTION A-A

SCALE: 1:100

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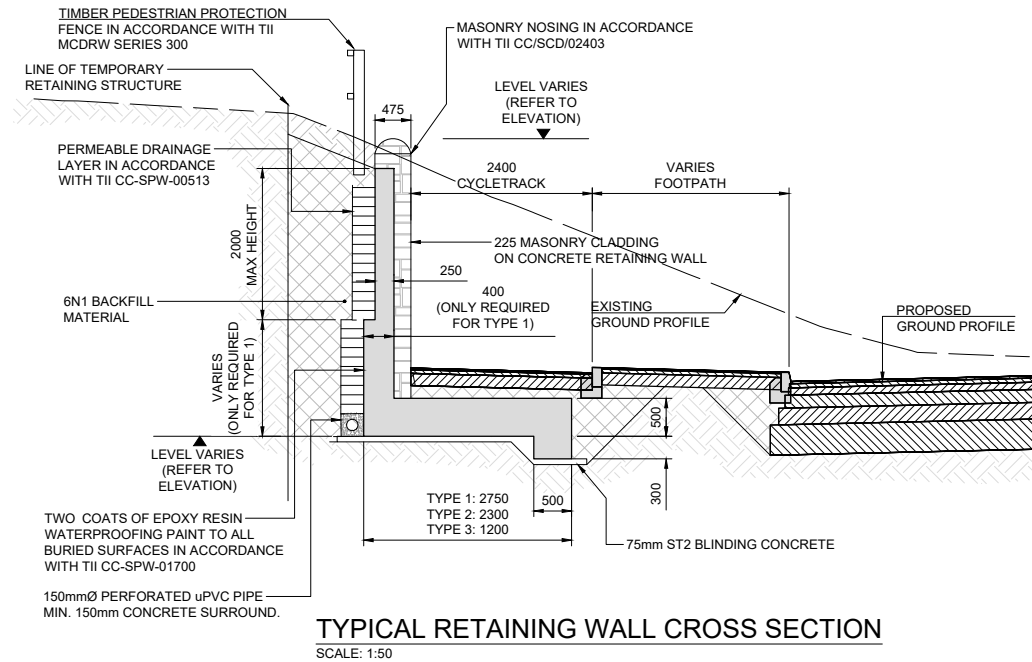
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Client NTA Údarás Náisiúnta Iompair National Transport Authority		Engineering Designer ARUP		
Date 04/04/2022	Scale As Shown @ A1 As Shown @ A3	Drawn BM	Checked CG	Approved BD
Project Code BCIDC	Originator Code ARP	OMS Code 268401-00		

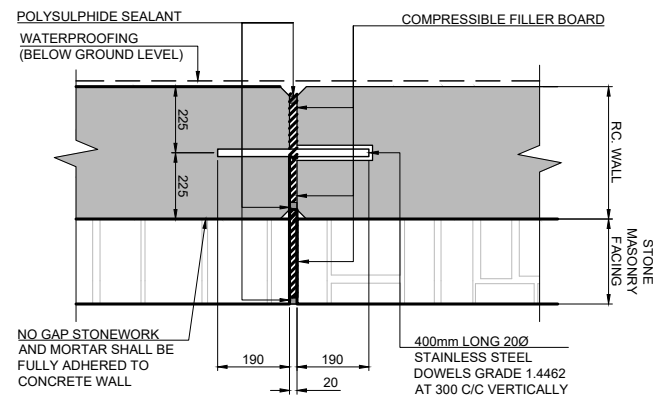
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Drawing Title BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME GY_09 GROUP 6 GANTRY GENERAL ARRANGEMENT SHEET 1				
Drawing File Name BCIDC-ARP-STR_GA-0005_GY_09-DR-CB-0002	Sheet Number 01 of 01	Status A	Rev M01	

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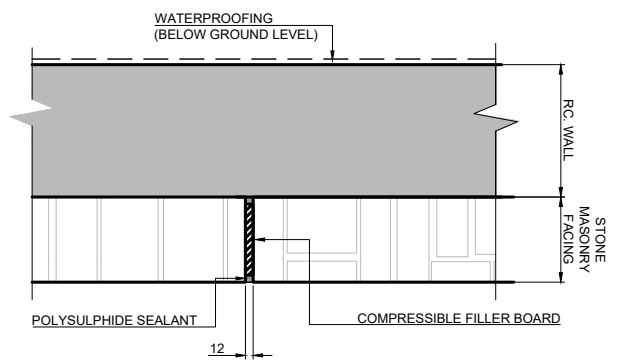
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TYPICAL RETAINING WALL CROSS SECTION
SCALE: 1:50

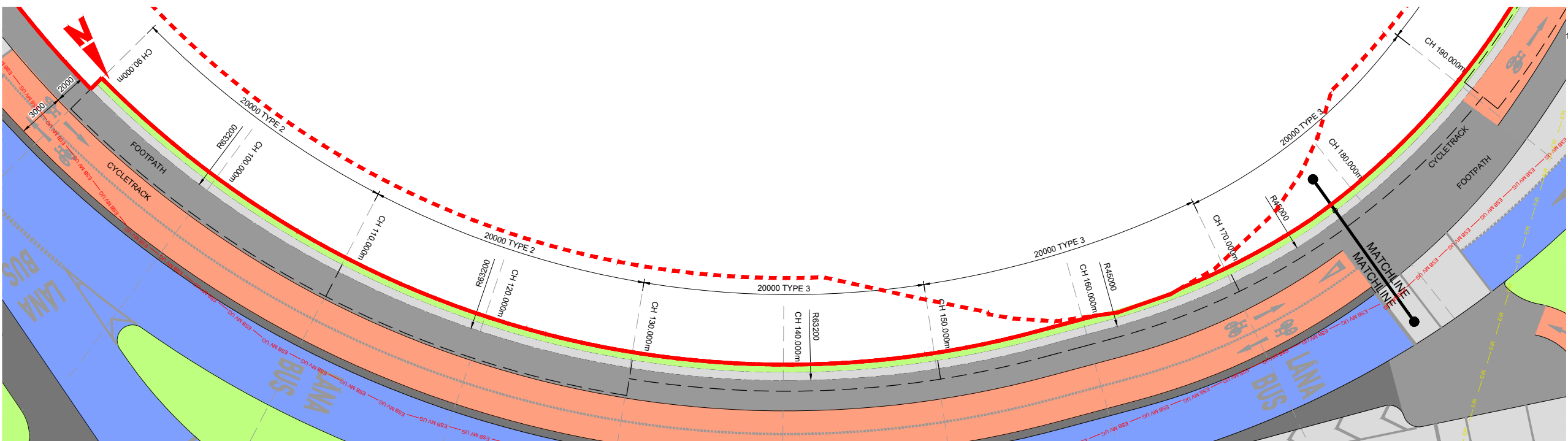


TYPICAL RC WALL AND MASONRY EXPANSION JOINT DETAIL
Scale 1:10

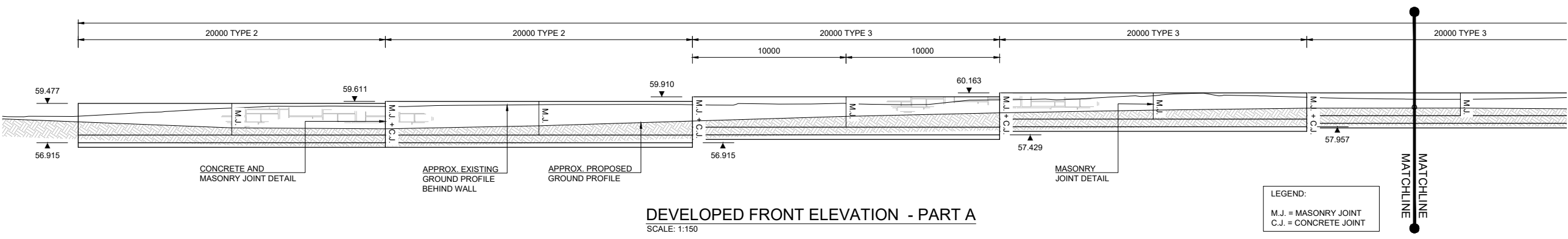
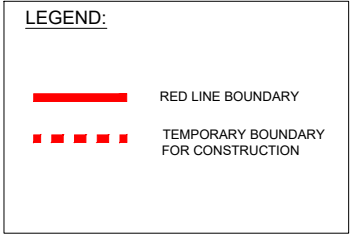


TYPICAL MASONRY EXPANSION JOINT DETAIL
Scale 1:10

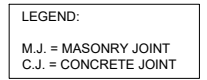
- NOTES:**
- ALL DIMENSIONS ARE SHOWN IN MILLIMETRES UNLESS NOTED OTHERWISE.
 - ALL LEVELS ARE SHOWN IN METRES ABOVE ORDNANCE DATUM USING GEOID OSGM02.
 - FINISHES:
BURIED UNFORMED SURFACES - U1
BURIED FORMED SURFACES - F1
EXPOSED UNFORMED SURFACES (EXCLUDING AREA TO BE WATERPROOFED) - U3
ALL OTHER EXPOSED FORMED SURFACES - F4
 - MATERIALS:
LOCATION: RETAINING WALLS - CONCRETE GRADE: - C45/55 (50% GGBS)
NON-STRUCTURAL CONCRETE: LOCATION: CONCRETE FOR BLINDING - CONCRETE GRADE: - ST2
 - BURIED CONCRETE SURFACES SHALL BE TREATED WITH TWO COATS OF EPOXY RESIN WATERPROOFING PAINT IN ACCORDANCE WITH TII CC-SPW-01700.
 - ALL EXPOSED CONCRETE SHALL BE IMPREGNATED WITH A HYDROPHOBIC PORE LINER IN ACCORDANCE WITH THE TII CC-SPW-01700.
 - EXTERNAL CONCRETE ARISING TO BE CHAMFERED 25x25 UNO.
 - INTERFACE BETWEEN NATURAL GROUND WITH 6N AND INTERFACE BETWEEN EMBANKMENT FILL WITH 6N TO BE BENCHED. MAXIMUM BENCH HEIGHT SHALL BE 0.5M AND BENCHES SHALL HAVE A MINIMUM SLOPE GRADIENT OF 5%.
 - STONE MASONRY FACING TO BE ANCHORED TO RETAINING WALL USING ANCON POST FIXED STAIFIX UNIVERSAL WALL STARTER SYSTEM AND SD21 125MM WALL TIES OR EQUIVALENT AT 600MM STAGGERED HORIZONTAL AND VERTICAL CENTRES.
 - LOCALISED SOFT SPOTS, IF PRESENT, TO BE EXCAVATED AND REPLACED WITH 6N2



PLAN ON RETAINING WALL - PART A
SCALE: 1:150



DEVELOPED FRONT ELEVATION - PART A
SCALE: 1:150



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M01	04/04/2022	BM	CG	BD	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **ARUP**

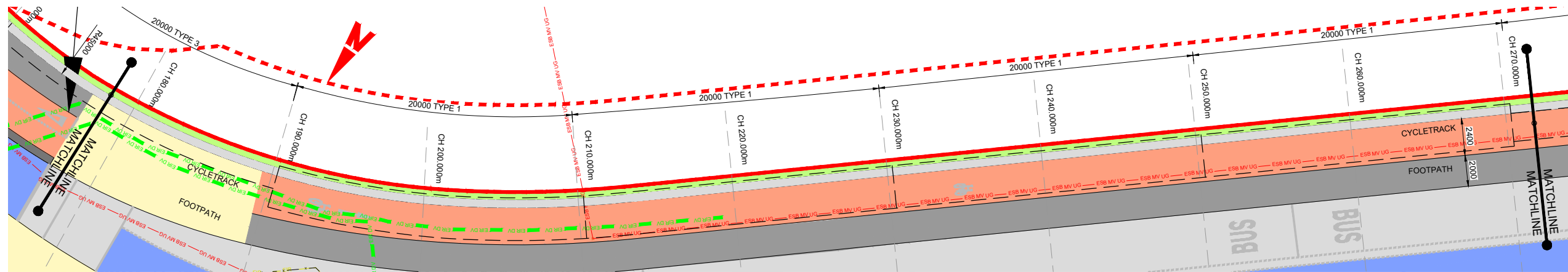
Date: 04/04/2022
Scale: As Shown @ A1
As Shown @ A3

Drawn: BM
Checked: CG
Approved: BD

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

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME RETAINING WALL 01 GENERAL ARRANGEMENT SHEET 1			
Drawing File Name: BCIDC-ARP-STR_GA-0005_RW_01-DR-CB-0002	Sheet Number: 01 of 01	Status: A	Rev: M01

DO NOT SCALE USE FIGURED DIMENSIONS ONLY

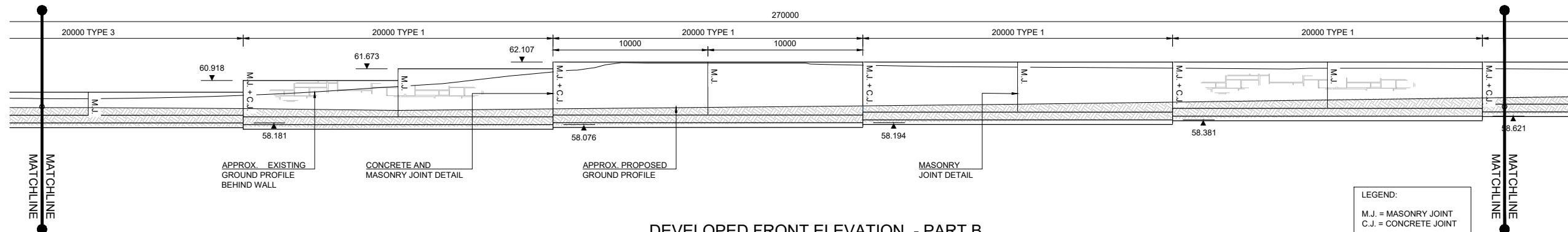


PLAN ON RETAINING WALL - PART B

SCALE: 1:150

NOTES:

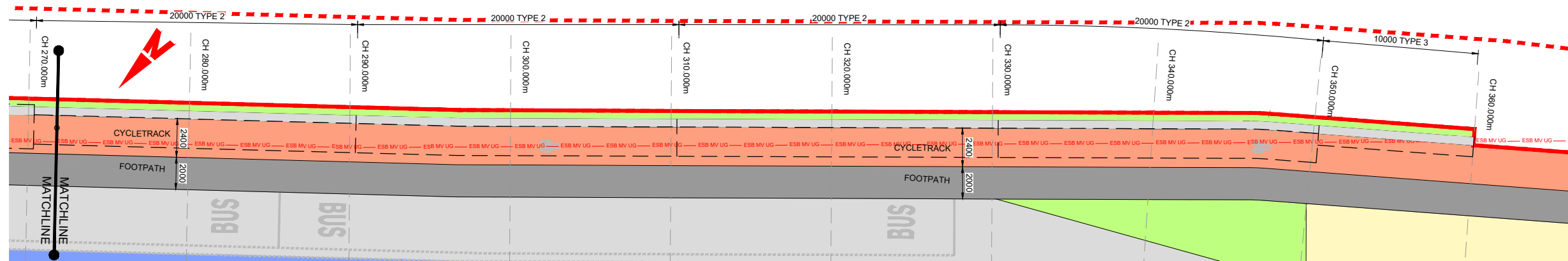
- REFER TO DWG BCIDC-ARP-STR_GA-0005_RW01-DR-CB-0002 FOR NOTES.



DEVELOPED FRONT ELEVATION - PART B

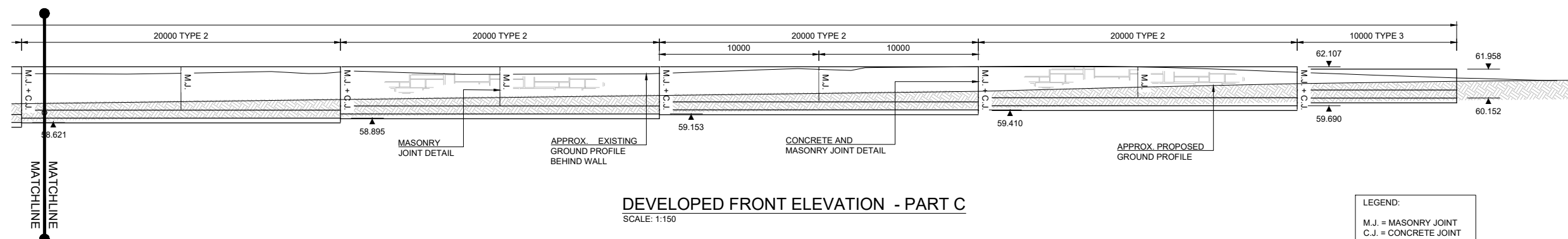
SCALE: 1:150

LEGEND:
M.J. = MASONRY JOINT
C.J. = CONCRETE JOINT



PLAN ON RETAINING WALL - PART C

SCALE: 1:150



DEVELOPED FRONT ELEVATION - PART C

SCALE: 1:150

LEGEND:
M.J. = MASONRY JOINT
C.J. = CONCRETE JOINT

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Transverse Mercator Grid (ITM) as defined by OSI active local GPS station.
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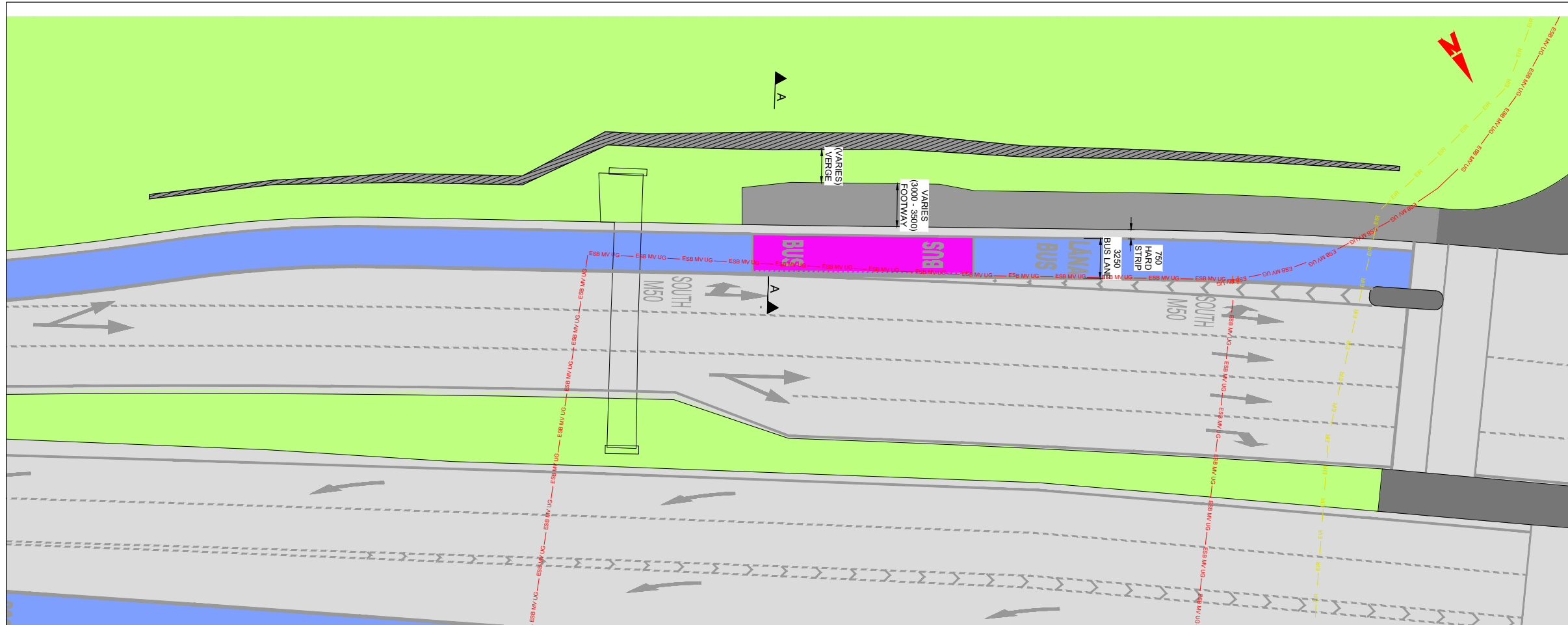
Rev	Date	Drn	Chk'd	App'd	Description
M01	04/04/2022	BM	CG	BD	ISSUE FOR PHASE 4: PLANNING

Client
NTA
Udarás Náisiúnta Iompair
National Transport Authority

Engineering Designer
ARUP

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS	
Drawing Title BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME RETAINING WALL 01 GENERAL ARRANGEMENT SHEET 2	
Drawing File Name BCIDC-ARP-STR_GA-0005_RW_01-DR-CB-0003	Sheet Number 01 of 01
Status A	Rev M01

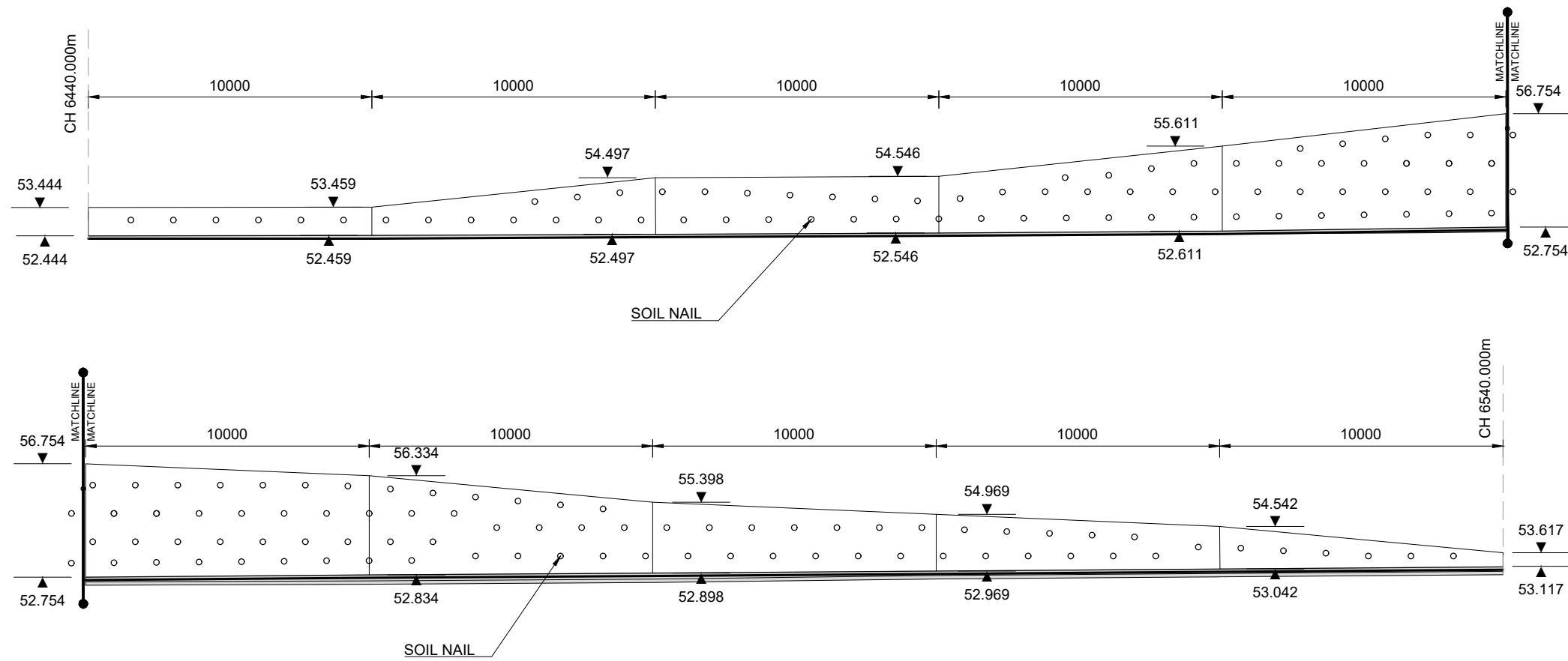
DO NOT SCALE USE FIGURED DIMENSIONS ONLY



- NOTES:**
- ALL DIMENSIONS ARE SHOWN IN MILLIMETRES UNLESS NOTED OTHERWISE.
 - ALL LEVELS ARE SHOWN IN METRES ABOVE ORDANCE DATUM USING GEOID OSGM02.
 - FINISHES:
 - BURIED UNFORMED SURFACES - U1
 - BURIED FORMED SURFACES - F1
 - EXPOSED UNFORMED SURFACES (EXCLUDING AREA TO BE WATERPROOFED) - U3
 - ALL OTHER EXPOSED FORMED SURFACES - F4
 - CONCRETE FACING - PATTERNED FINISH
 - MATERIALS:
 - LOCATION: CONCRETE GRADE:
 - SHOTCRETE WALL - C40/50
 - CONCRETE FACING - C40/50 (50% GGBS)
 - ALL EXPOSED CONCRETE SHALL BE IMPREGNATED WITH A HYDROPHOBIC PORE LINER IN ACCORDANCE WITH THE TII CC-SPW-01700.



PLAN ON PROPOSED RETAINING WALL
Scale 1:200



DEVELOPED ELEVATION
Scale 1:100

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Client: **NTA**
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National Transport Authority

Engineering Designer: **ARUP**

Date: 04/04/2022
Scale: As Shown @ A1
As Shown @ A3

Drawn: BM
Checked: CG
Approved: BD

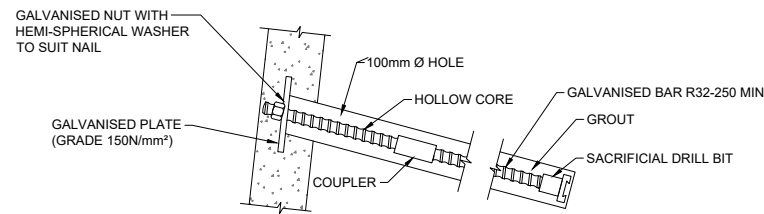
Project Code: BCIDC
Originator Code: ARP
QMS Code: 268401-00

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME RETAINING WALL 03 GENERAL ARRANGEMENT SHEET 1			
Drawing File Name: BCIDC-ARP-STR_GA-0005_RW_03-DR-CB-0002	Sheet Number: 01 of 01	Status: A	Rev: M01

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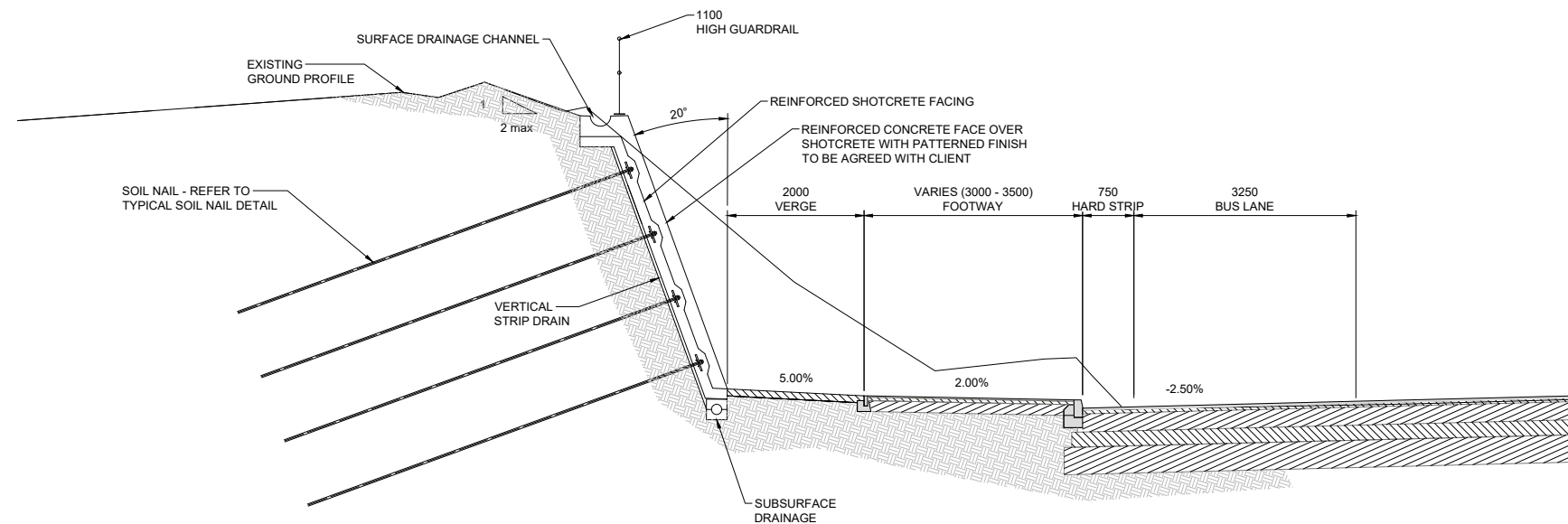
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NOTES:
REFER TO DWG BCIDC-ARP-STR_GA-0005_RW_03-DR-CB-0002 FOR NOTES



NOTE:
ALL COMPONENTS TO BE COMPATIBLE WITH PROPRIETARY NAIL SYSTEM.

TYPICAL SOIL NAIL DETAIL
Scale 1:10



SECTION A-A
Scale 1:50

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Údarás Náisiúnta Iompair
National Transport Authority

Date: 04/04/2022
Scale: As Shown @ A1 / As Shown @ A3

Project Code: BCIDC
Originator Code: ARP

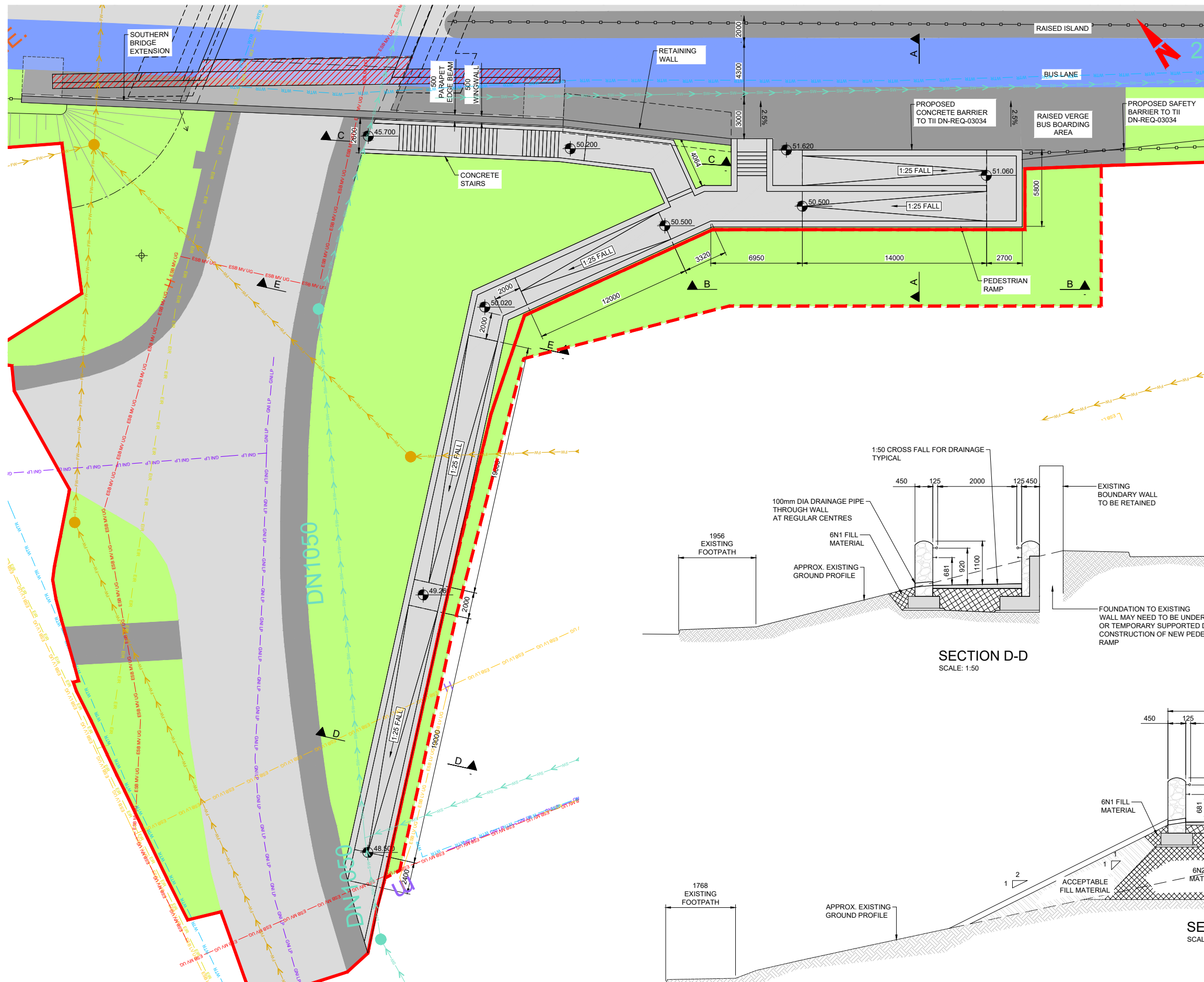
Engineering Designer
ARUP

Drawn: PK
Checked: CG
Approved: BD

OMS Code: 268401-00

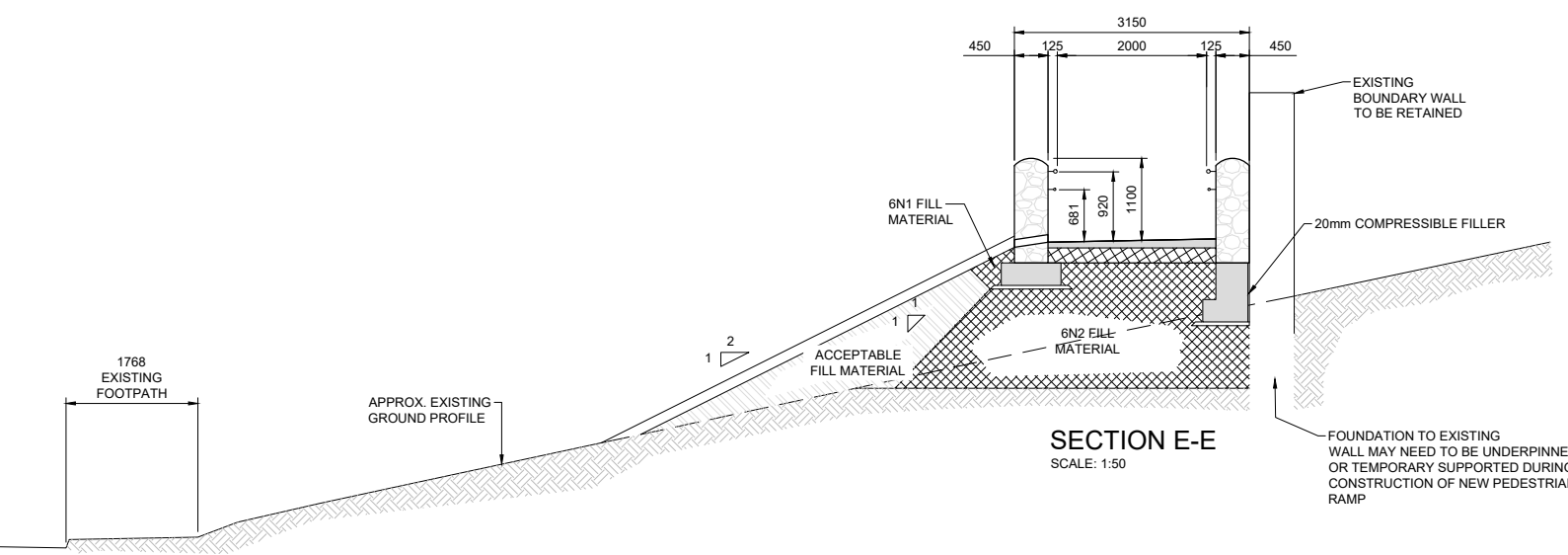
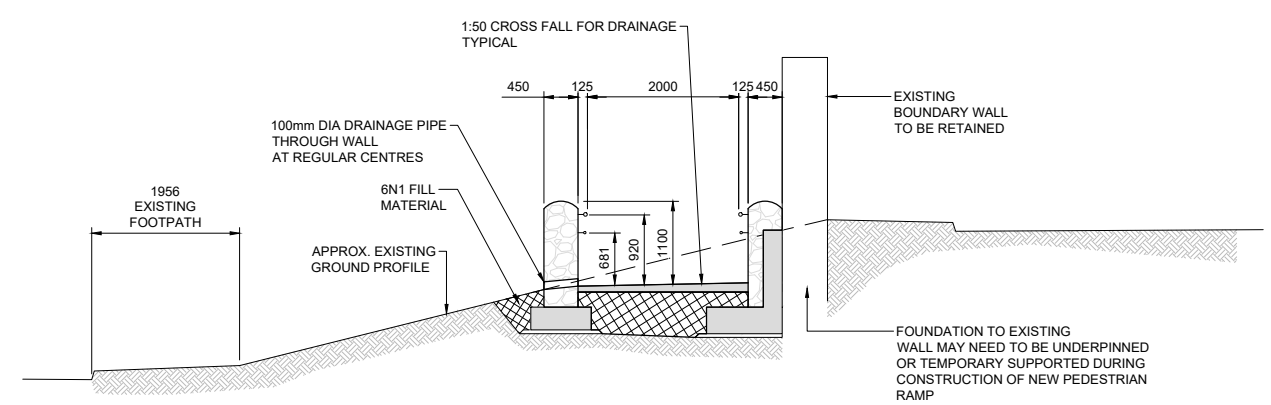
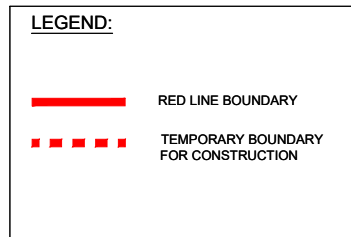
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Drawing Title BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME RETAINING WALL 03 GENERAL ARRANGEMENT SHEET 2			
Drawing File Name BCIDC-ARP-STR_GA-0005_RW_03-DR-CB-0003	Sheet Number 01 of 01	Status A	Rev M01

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PLAN ON PROPOSED SOUTHERN RAMP AND STAIRS (RW07-A)
SCALE: 1:150

- NOTES:**
- ALL DIMENSIONS ARE SHOWN IN MILLIMETRES UNLESS NOTED OTHERWISE.
 - ALL LEVELS ARE SHOWN IN METRES ABOVE ORDNANCE DATUM USING GEOID OSGM02.
 - FINISHES:
 - BURIED UNFORMED SURFACES - U1
 - BURIED FORMED SURFACES - F1
 - EXPOSED UNFORMED SURFACES (EXCLUDING AREA TO BE WATERPROOFED) - U3
 - ALL OTHER EXPOSED FORMED SURFACES - F4
 - MATERIALS:
 - LOCATION: CONCRETE GRADE: - C45/55 (50% GGBS)
 - RETAINING WALLS
 - NON-STRUCTURAL CONCRETE: CONCRETE GRADE: - ST1
 - LOCATION: CONCRETE FOR BLINDING
 - BURIED CONCRETE SURFACES SHALL BE TREATED WITH TWO COATS OF EPOXY RESIN WATERPROOFING PAINT IN ACCORDANCE WITH TII CC-SPW-01700.
 - ALL EXPOSED CONCRETE SHALL BE IMPREGNATED WITH A HYDROPHOBIC PORE LINER IN ACCORDANCE WITH THE TII CC-SPW-01700.
 - EXTERNAL CONCRETE ARISES TO BE CHAMFERED 25x25 UNO.
 - STONE MASONRY FACING TO BE ANCHORED TO RETAINING WALL USING ANCON POST FIXED STAIPIX UNIVERSAL WALL STARTER SYSTEM AND SD21 125MM WALL TIES OR EQUIVALENT AT 600MM STAGGERED HORIZONTAL AND VERTICAL CENTRES.
 - LOCALISED SOFT SPOTS, IF PRESENT, TO BE EXCAVATED AND REPLACED WITH CLASS 6N2



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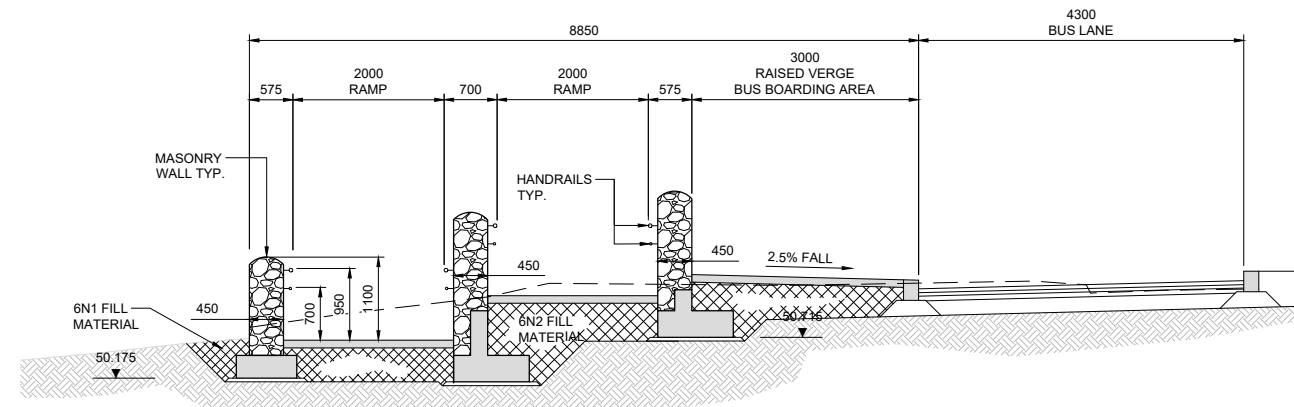


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M01	04/04/2022	BM	CG	BD	ISSUE FOR PHASE 4: PLANNING

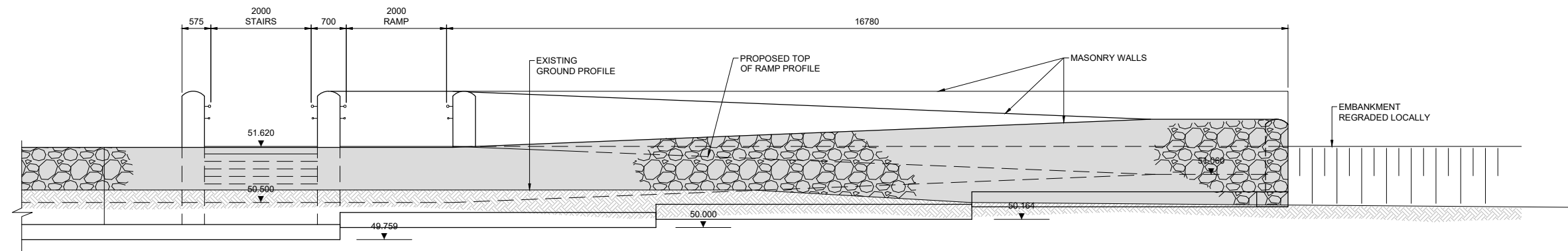
Client		Engineering Designer		
 Udarás Náisiúnta Iompair National Transport Authority		Drawn	Checked	Approved
Date	04/04/2022	BM	CG	BD
Project Code	BCIDC	Originator Code	ARP	OMS Code
			268401-00	

Programme Title			
BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title			
BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME RW07-A STAIRS AND ACCESS RAMP GENERAL ARRANGEMENT SHEET 1			
Drawing File Name	Sheet Number	Status	Rev
BCIDC-ARP-STR_GA-0005_RW_07-DR-CB-0002	01 of 01	A	M01

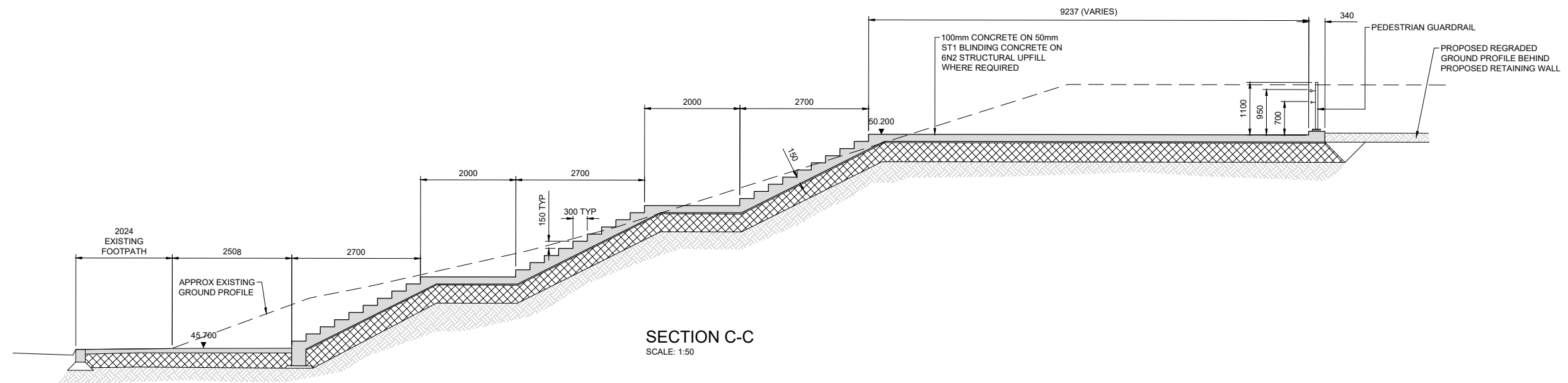
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SECTION A-A
SCALE: 1:50



SECTION B-B
SCALE: 1:50



SECTION C-C
SCALE: 1:50

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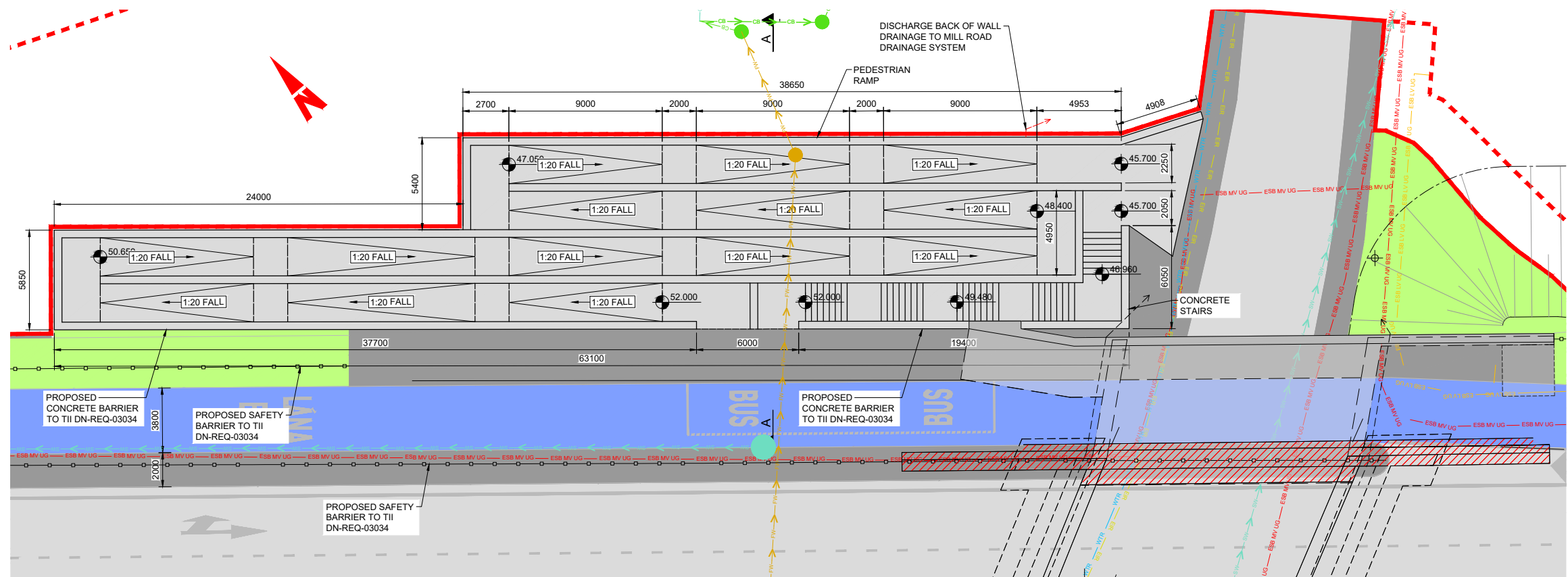
Engineering Designer
ARUP

Date	04/04/2022	Scale	As Shown @ A1 As Shown @ A3
Drawn	PK	Checked	CG
Approved	BD		

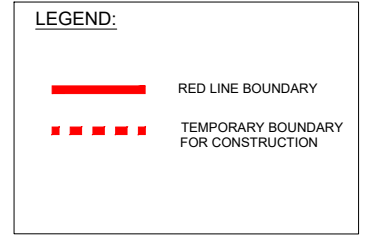
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 OMS Code: 268401-00

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Drawing Title BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME RW07-A STAIRS AND ACCESS RAMP GENERAL ARRANGEMENT SHEET 2			
Drawing File Name	Sheet Number	Status	Rev
BCIDC-ARP-STR_GA-0005_RW_07-DR-CB-0003	01 of 01	A	M01

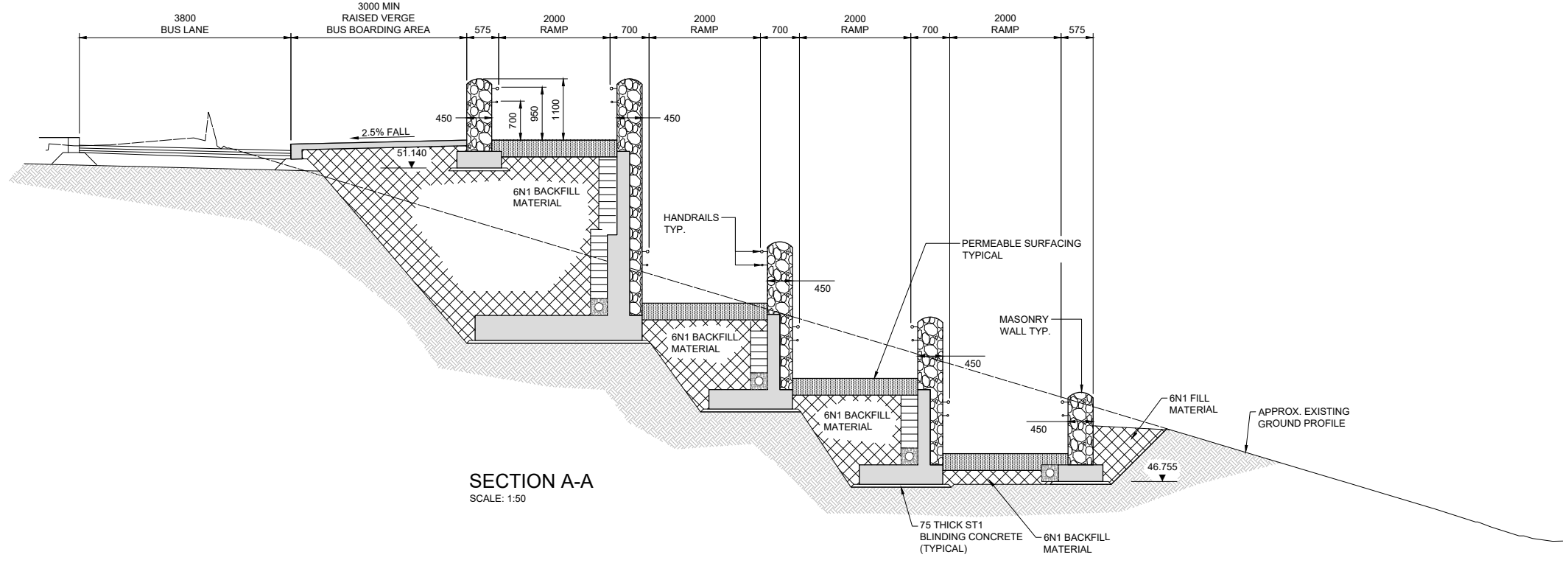
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- NOTES:**
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 - ALL LEVELS ARE SHOWN IN METRES ABOVE ORDNANCE DATUM USING GEOID OSGM02.
 - FINISHES:
 - BURIED UNFORMED SURFACES - U1
 - BURIED FORMED SURFACES - F1
 - EXPOSED UNFORMED SURFACES (EXCLUDING AREA TO BE WATERPROOFED) - U3
 - ALL OTHER EXPOSED FORMED SURFACES - F4
 - MATERIALS:
 - LOCATION: CONCRETE GRADE: - C45/55 (50% GGBS)
 - RETAINING WALLS
 - NON-STRUCTURAL CONCRETE: CONCRETE GRADE: - ST1
 - LOCATION: CONCRETE FOR BLINDING
 - BURIED CONCRETE SURFACES SHALL BE TREATED WITH TWO COATS OF EPOXY RESIN WATERPROOFING PAINT IN ACCORDANCE WITH TII CC-SPW-01700.
 - ALL EXPOSED CONCRETE SHALL BE IMPREGNATED WITH A HYDROPHOBIC PORE LINER IN ACCORDANCE WITH THE TII CC-SPW-01700.
 - EXTERNAL CONCRETE ARISING TO BE CHAMFERED 25x25 UNO.
 - STONE MASONRY FACING TO BE ANCHORED TO RETAINING WALL USING ANCON POST FIXED STAIFIX UNIVERSAL WALL STARTER SYSTEM AND SD21 125MM WALL TIES OR EQUIVALENT AT 600MM STAGGERED HORIZONTAL AND VERTICAL CENTRES.
 - LOCALISED SOFT SPOTS, IF PRESENT, TO BE EXCAVATED AND REPLACED WITH CLASS 6N2



PLAN ON PROPOSED NORTHERN RAMP AND STAIRS (RW07-B)
SCALE: 1:150



SECTION A-A
SCALE: 1:50

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Client: **NTA**
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National Transport Authority

Engineering Designer: **ARUP**

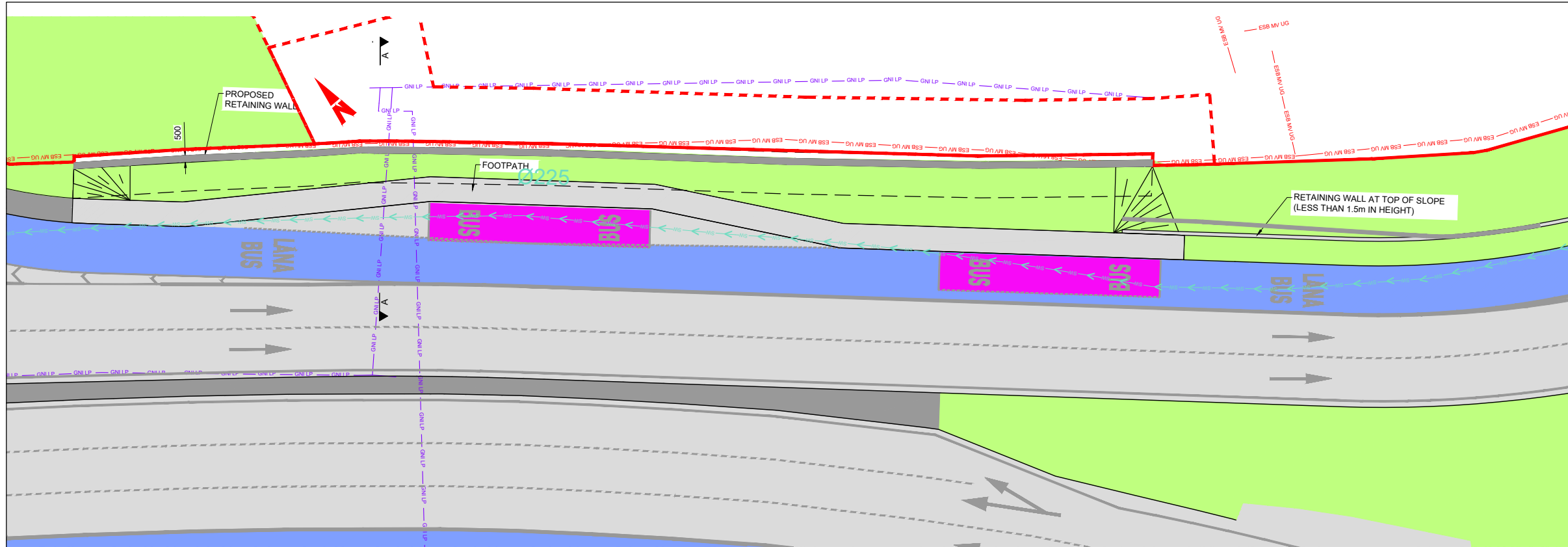
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Checked: CG
Approved: BD

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Originator Code: ARP
OMS Code: 268401-00

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Drawing Title	BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME RW07-B STAIRS AND ACCESS RAMP GENERAL ARRANGEMENT SHEET 1		
Drawing File Name	Sheet Number	Status	Rev
BCIDC-ARP-STR_GA-0005_RW_07-DR-CB-0004	01 of 01	A	M01

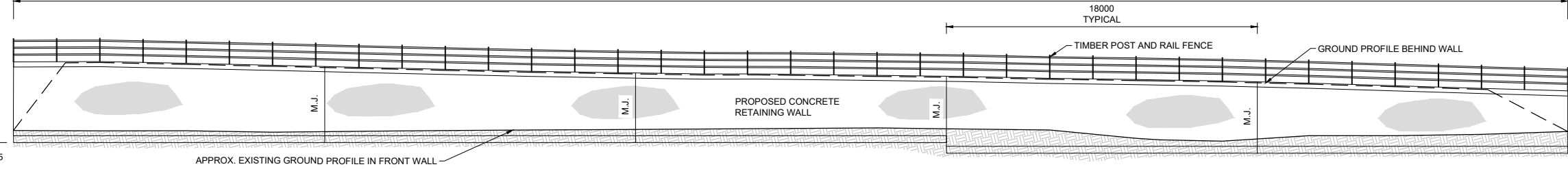
DO NOT SCALE USE FIGURED DIMENSIONS ONLY



PLAN ON PROPOSED RETAINING WALL

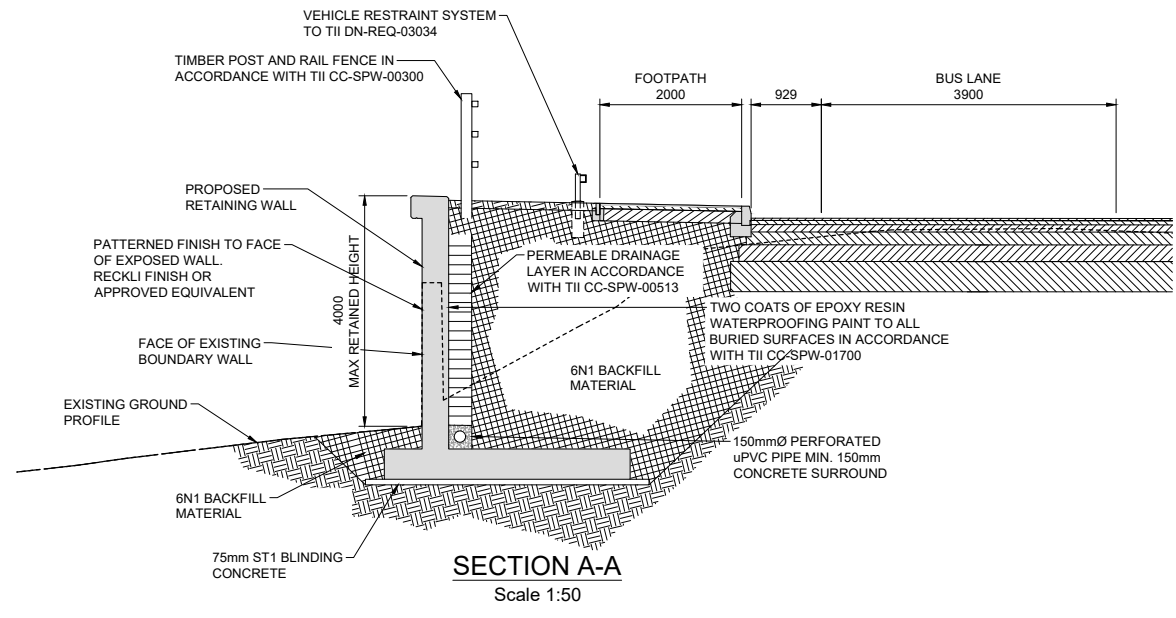
Scale 1:200

90000



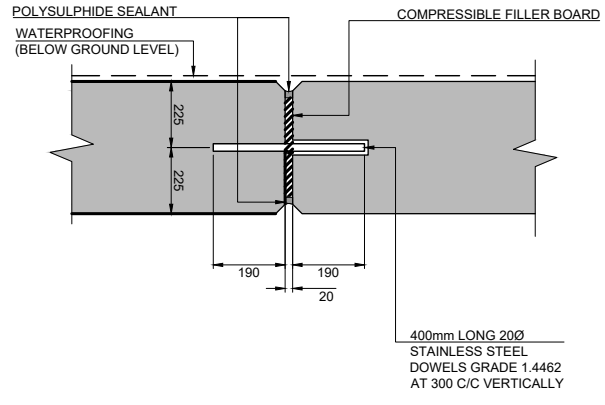
ELEVATION OF PROPOSED RETAINING WALL

Scale 1:150



SECTION A-A

Scale 1:50



TYPICAL MOVEMENT JOINT (M.J.)

Scale 1:10

NOTES:

- ALL DIMENSIONS ARE SHOWN IN MILLIMETRES UNLESS NOTED OTHERWISE.
- ALL LEVELS ARE SHOWN IN METRES ABOVE ORDANCE DATUM USING GEOID OSGM02.
- FINISHES:
BURIED UNFORMED SURFACES - U1
BURIED FORMED SURFACES - F1
EXPOSED UNFORMED SURFACES (EXCLUDING AREA TO BE WATERPROOFED) - U3
EXPOSED VERTICAL FACE OF WALL - PATTERNED FINISH
ALL OTHER EXPOSED FORMED SURFACES - F4
- MATERIALS:
LOCATION:
RETAINING WALLS - CONCRETE GRADE: - C45/55 (50% GGBS)
NON-STRUCTURAL CONCRETE:
LOCATION:
CONCRETE FOR BLINDING - CONCRETE GRADE: - ST1
- BURIED CONCRETE SURFACES SHALL BE TREATED WITH TWO COATS OF EPOXY RESIN WATERPROOFING PAINT IN ACCORDANCE WITH TII CC-SPW-01700.
- ALL EXPOSED CONCRETE SHALL BE IMPREGNATED WITH A HYDROPHOBIC PORE LINER IN ACCORDANCE WITH THE TII CC-SPW-01700.
- EXTERNAL CONCRETE ARISSES TO BE CHAMFERED 25x25 UNO.
- LOCALISED SOFT SPOTS, IF PRESENT, TO BE EXCAVATED AND REPLACED WITH CLASS 6N2

LEGEND:

- RED LINE BOUNDARY
- - - TEMPORARY BOUNDARY FOR CONSTRUCTION

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Transverse Mercator Grid (ITM) as defined by OSI active local GIS station.
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Rev	Date	Drn	Chk'd	App'd	Description
M01	04/04/2022	BM	CG	BD	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **ARUP**

Date: 04/04/2022
Scale: As Shown @ A1, As Shown @ A3

Drawn: BM, Checked: CG, Approved: BD

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

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: BLANCHARDSTOWN TO CITY CENTRE CORE BUS CORRIDOR SCHEME RETAINING WALL 09 GENERAL ARRANGEMENT			
Drawing File Name: BCIDC-ARP-STR_GA-0005_RW_09-DR-CB-0002	Sheet Number: 01 of 01	Status: A	Rev: M01

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