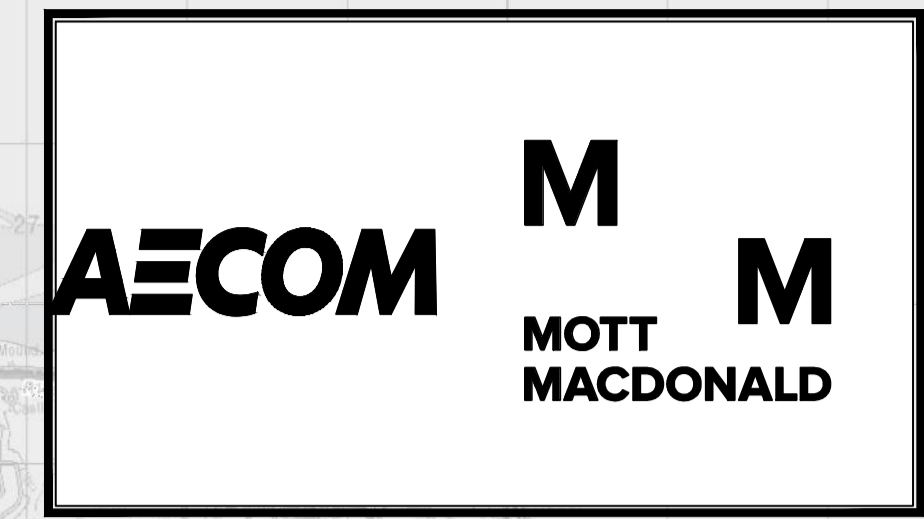




Appendix B18
Bridges and Major
Retaining Structures



BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS

LUCAN TO CITY CENTRE CORE BUS CORRIDOR SCHEME

BRIDGES & RETAINING STRUCTURES

DRAWING SERIES NUMBER(S)

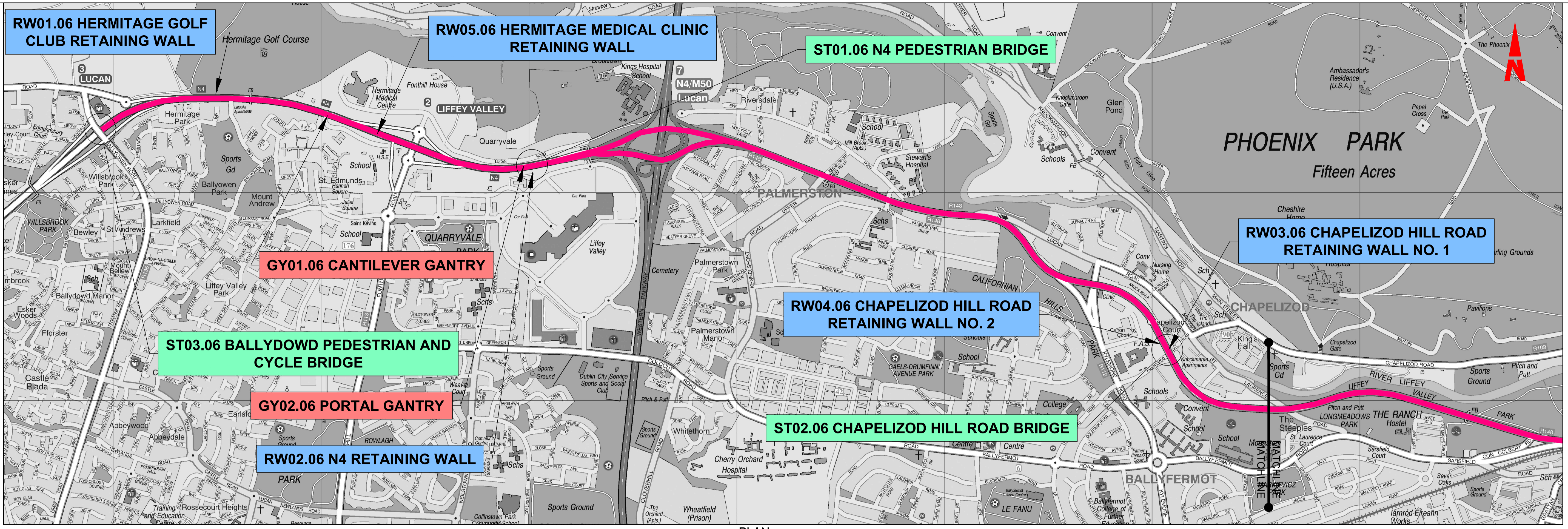
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- BCIDA-ACM-STR_GA-0006_BR_06-DR-CB-0101
- BCIDA-ACM-STR_GA-0006_RW_01-DR-CB-0101
- BCIDA-ACM-STR_GA-0006_RW_02-DR-CB-0101
- BCIDA-ACM-STR_GA-0006_RW_03-DR-CB-0101
- BCIDA-ACM-STR_GA-0006_RW_06-DR-CB-0101
- BCIDA-ACM-STR_GA-0006_RW_06-DR-CB-0111
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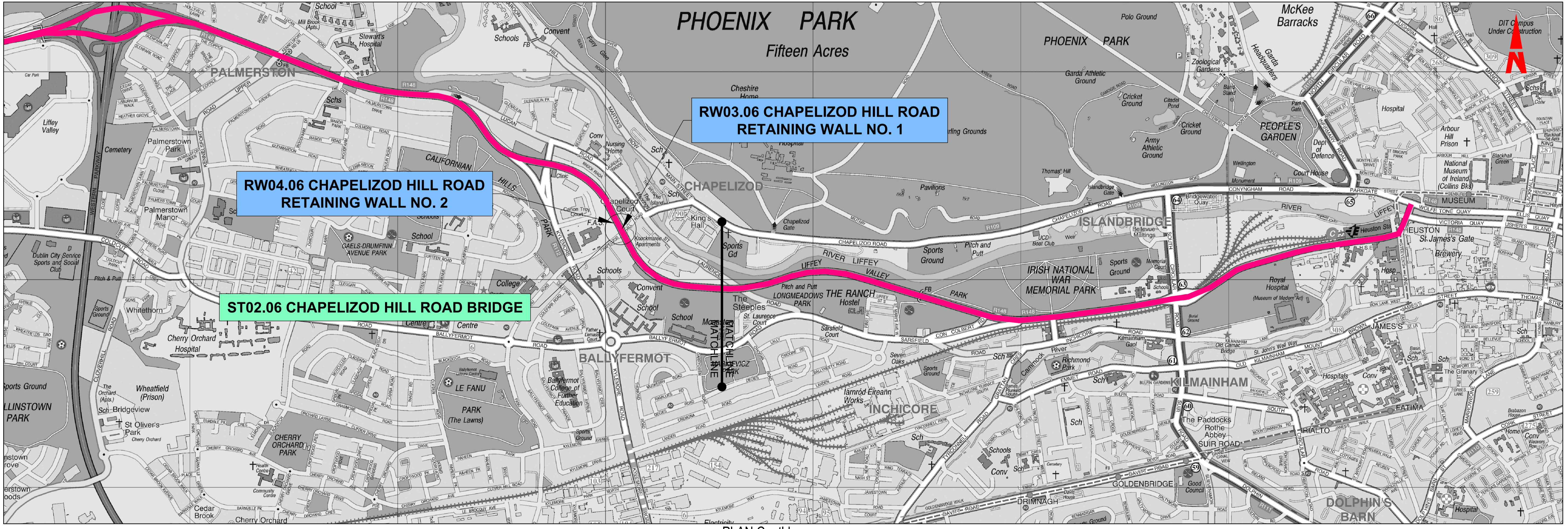
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- LUCAN TO CITY CENTRE CORE BUS CORRIDOR SCHEME. BRIDGES & RETAINING STRUCTURES. KEYPLAN
- LUCAN TO CITY CENTRE CORE BUS CORRIDOR SCHEME. ST03.06 BALLYDOWD PEDESTRIAN AND CYCLE BRIDGE. PLAN
- LUCAN TO CITY CENTRE CORE BUS CORRIDOR SCHEME. ST03.06 BALLYDOWD PEDESTRIAN AND CYCLE BRIDGE. DETAILS
- LUCAN TO CITY CENTRE CORE BUS CORRIDOR SCHEME. ST03.06 BALLYDOWD PEDESTRIAN AND CYCLE BRIDGE. DETAILS
- LUCAN TO CITY CENTRE CORE BUS CORRIDOR SCHEME. ST01.06 N4 PEDESTRIAN BRIDGE. PLAN
- LUCAN TO CITY CENTRE CORE BUS CORRIDOR SCHEME. ST01.06 N4 PEDESTRIAN BRIDGE. DETAILS
- LUCAN TO CITY CENTRE CORE BUS CORRIDOR SCHEME. ST01.06 N4 PEDESTRIAN BRIDGE. DETAILS
- LUCAN TO CITY CENTRE CORE BUS CORRIDOR SCHEME. ST02.06 CHAPELIZOD HILL ROAD BRIDGE. GENERAL ARRANGEMENT
- LUCAN TO CITY CENTRE CORE BUS CORRIDOR SCHEME. RW01.06 HERMITAGE GOLF CLUB RETAINING WALL. GENERAL ARRANGEMENT
- LUCAN TO CITY CENTRE CORE BUS CORRIDOR SCHEME. RW05.06 HERMITAGE MEDICAL CLINIC RETAINING WALL. GENERAL ARRANGEMENT
- LUCAN TO CITY CENTRE CORE BUS CORRIDOR SCHEME. RW02.06 N4 RETAINING WALL. GENERAL ARRANGEMENT
- LUCAN TO CITY CENTRE CORE BUS CORRIDOR SCHEME. RW03.06 CHAPELIZOD HILL RETAINING WALL NO.1. GENERAL ARRANGEMENT
- LUCAN TO CITY CENTRE CORE BUS CORRIDOR SCHEME. RW04.06 CHAPELIZOD HILL RETAINING WALL NO.2. GENERAL ARRANGEMENT
- LUCAN TO CITY CENTRE CORE BUS CORRIDOR SCHEME. GY01.06 CANTILEVER GANTRY. GENERAL ARRANGEMENT
- LUCAN TO CITY CENTRE CORE BUS CORRIDOR SCHEME. GY02.06 PORTAL GANTRY. GENERAL ARRANGEMENT

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PLAN



PLAN Cont'd

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 National Transport Authority

Engineering Designer: **AECOM** **MOTT MACDONALD**

Date: 29/09/22 Scale: 1:5000 @ A1
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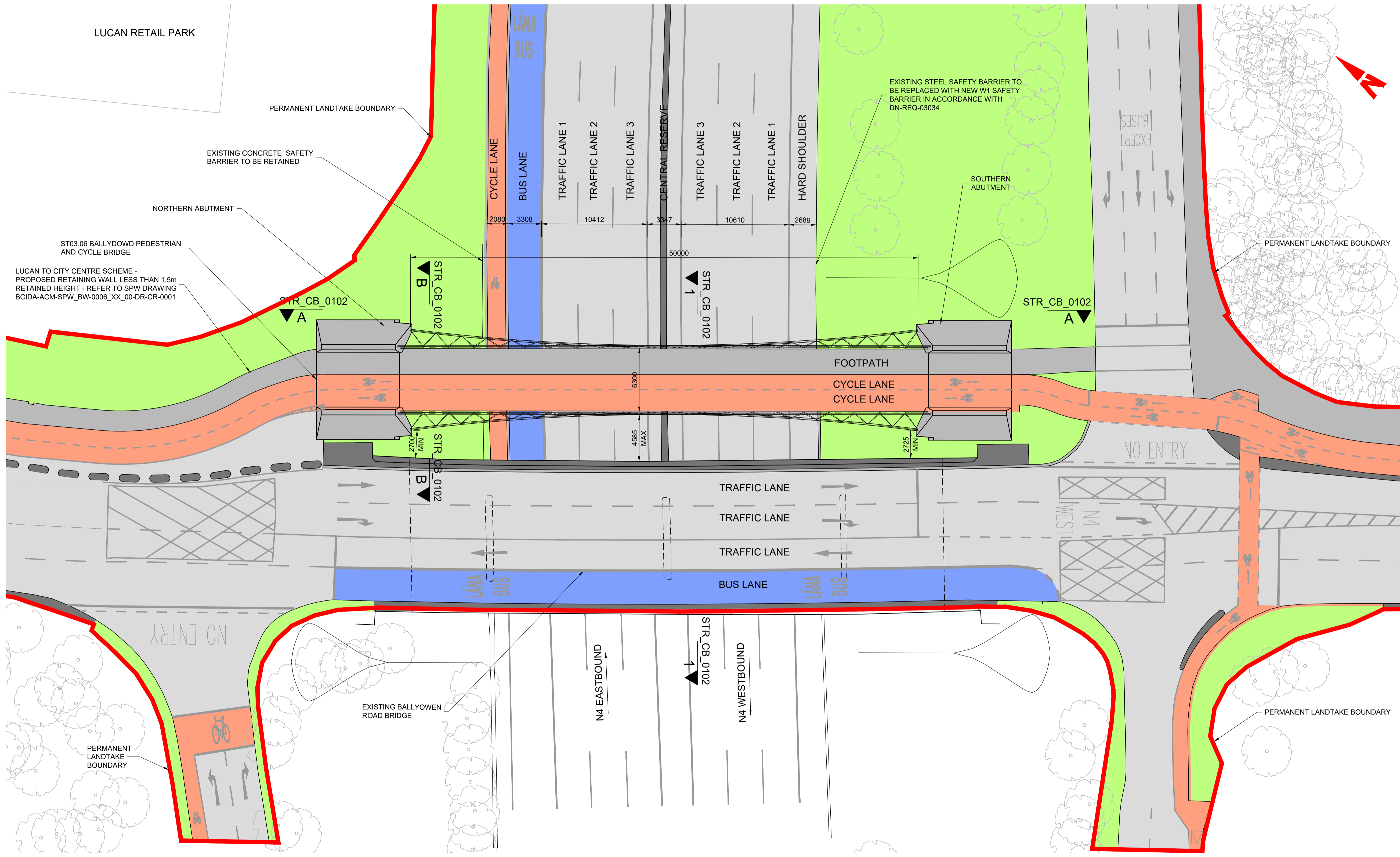
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Drawn: A.COSTELLO Checked: A.T.DALE Approved: C.ACTON

QMS Code

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Drawing Title: LUCAN TO CITY CENTRE CORE BUS CORRIDOR SCHEME BRIDGES & RETAINING STRUCTURES KEY PLAN			
Drawing File Name: BCIDA-ACM-STR_KP-0006_XX_00-DR-CB-0001	Sheet Number: 1 of 1	Status: A	Rev: M01

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PLAN
1:200 @ A1
1:400 @ A3

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Client

Date: 29/09/22
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Engineering Designer

Drawn: A.COSTELLO
Checked: A.T.DALE
Approved: C.ACTON

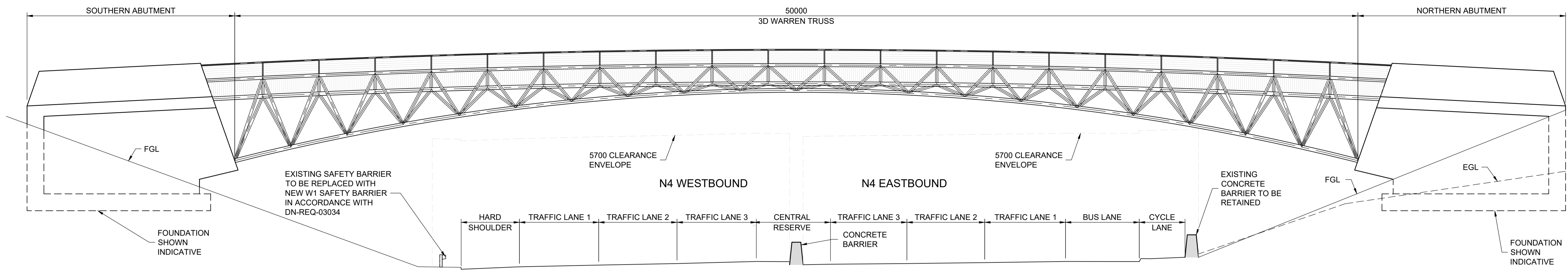
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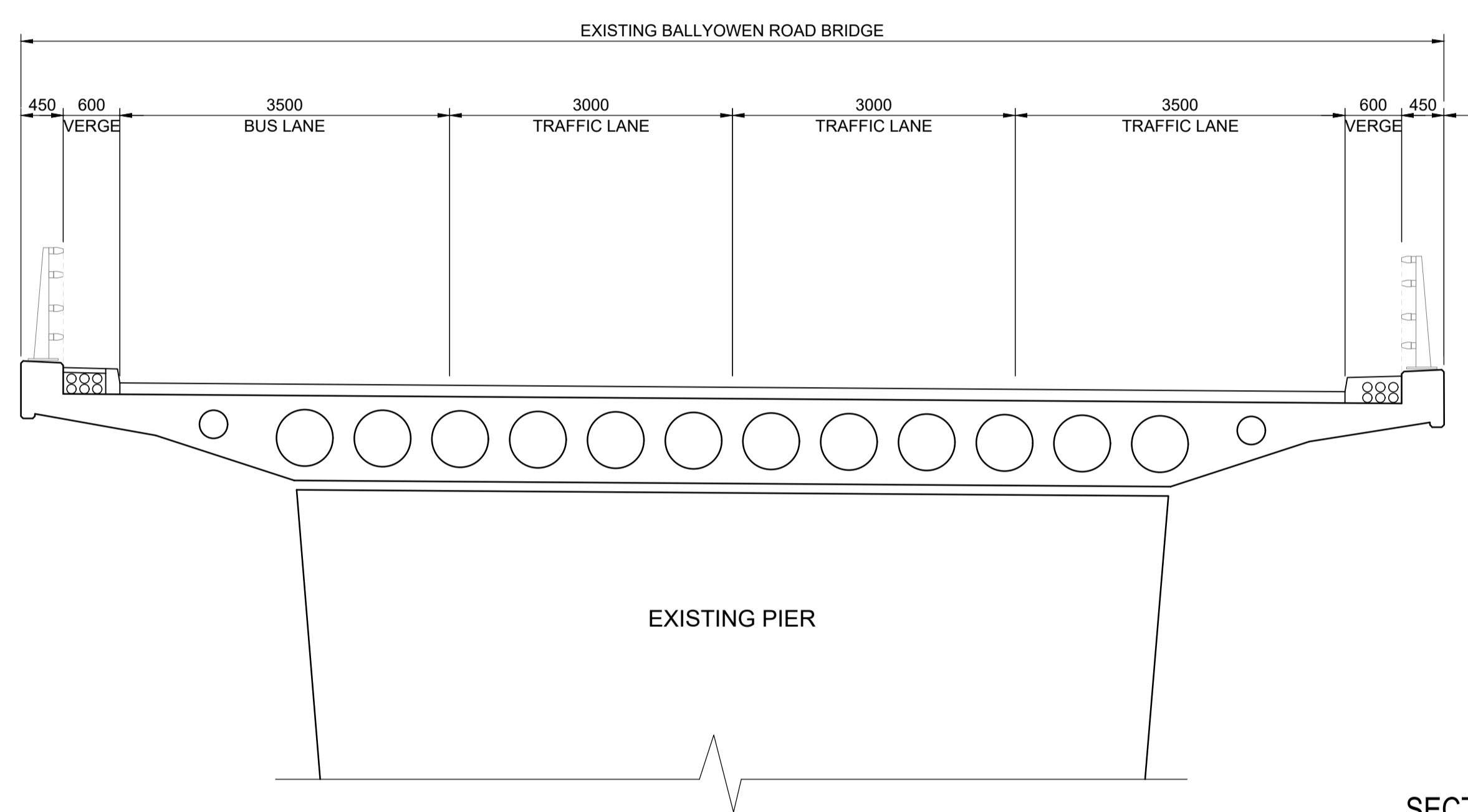
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Rev: M01

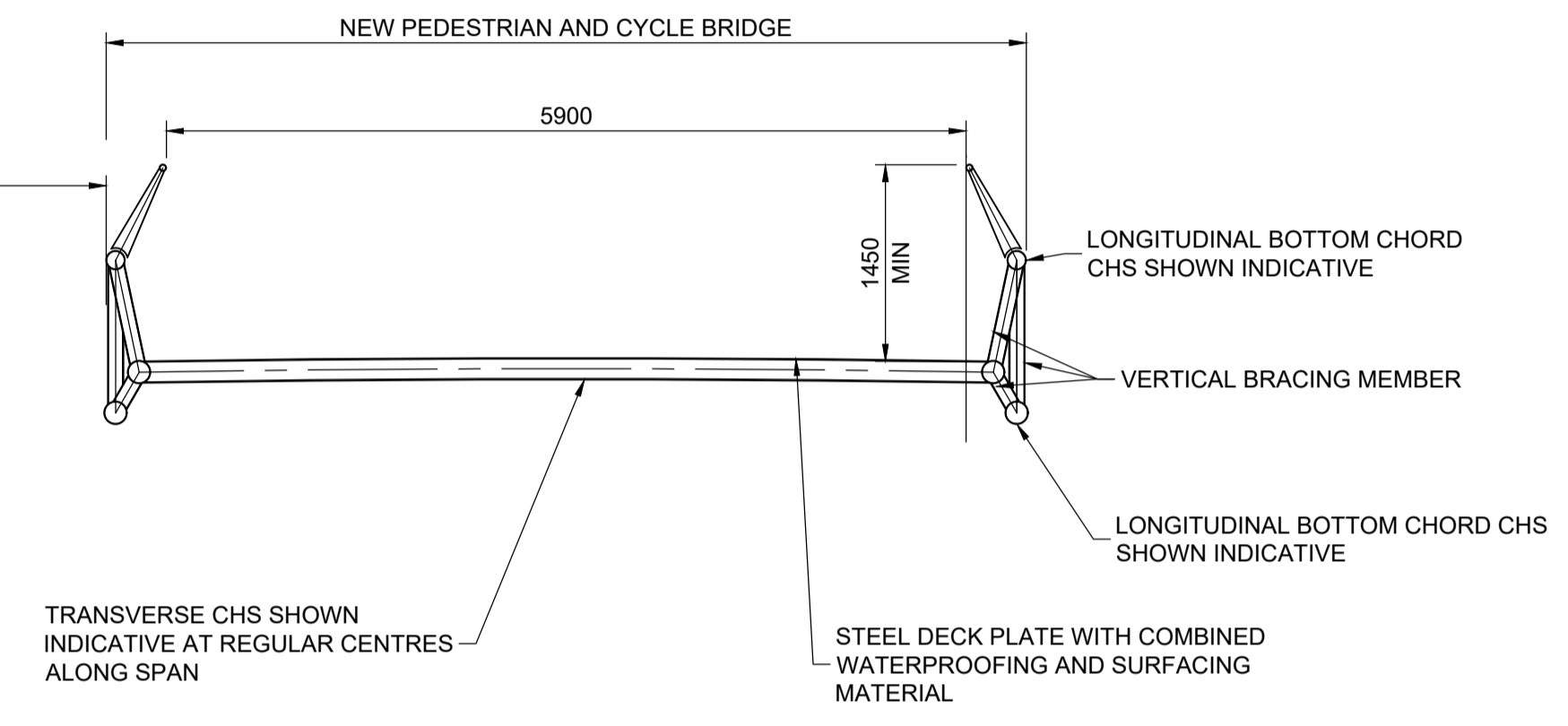
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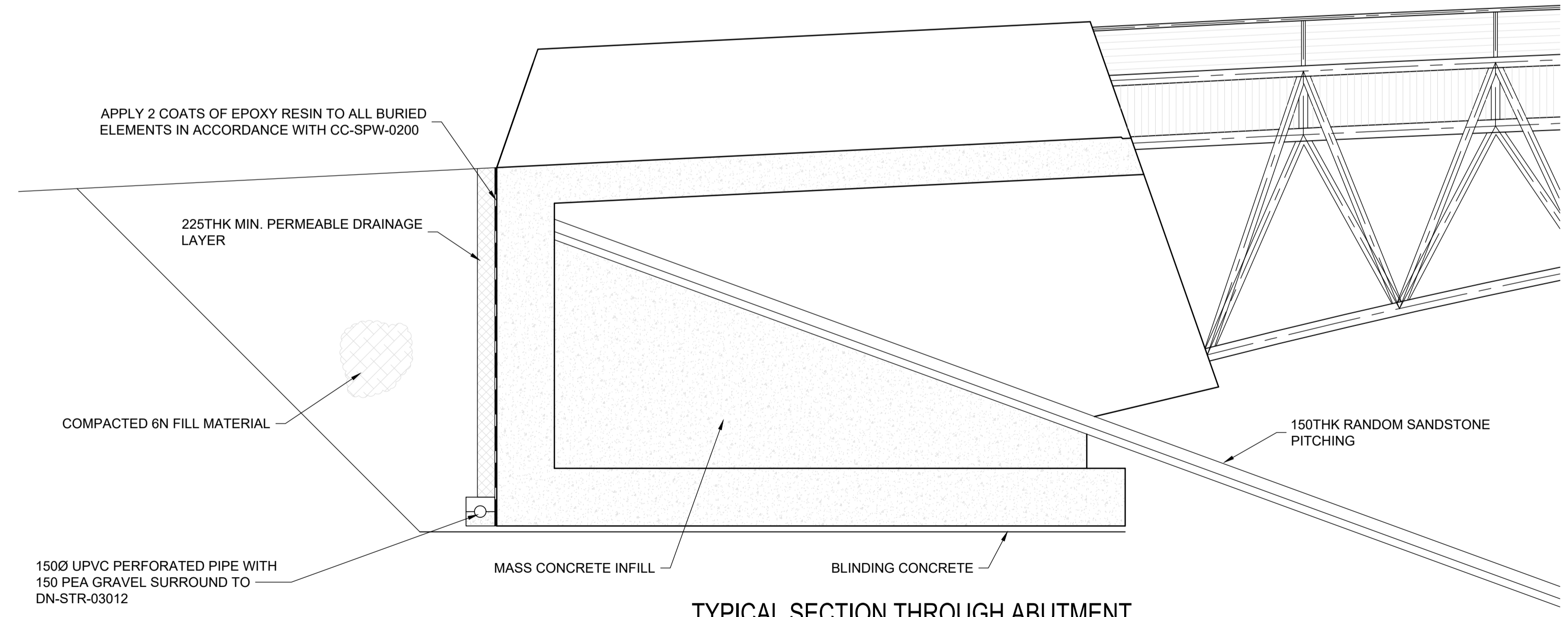
ELEVATION A-A
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1:200 @ A3



SECTION 1-1
1:30 @ A1
1:100 @ A3



ELEVATION B-B
1:50 @ A1
1:100 @ A3



TYPICAL SECTION THROUGH ABUTMENT
1:50 @ A1
1:100 @ A3

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Client
NTA
Údarás Náisiúnta Iompair
National Transport Authority

Engineering Designer
AECOM **MOTT MACDONALD**

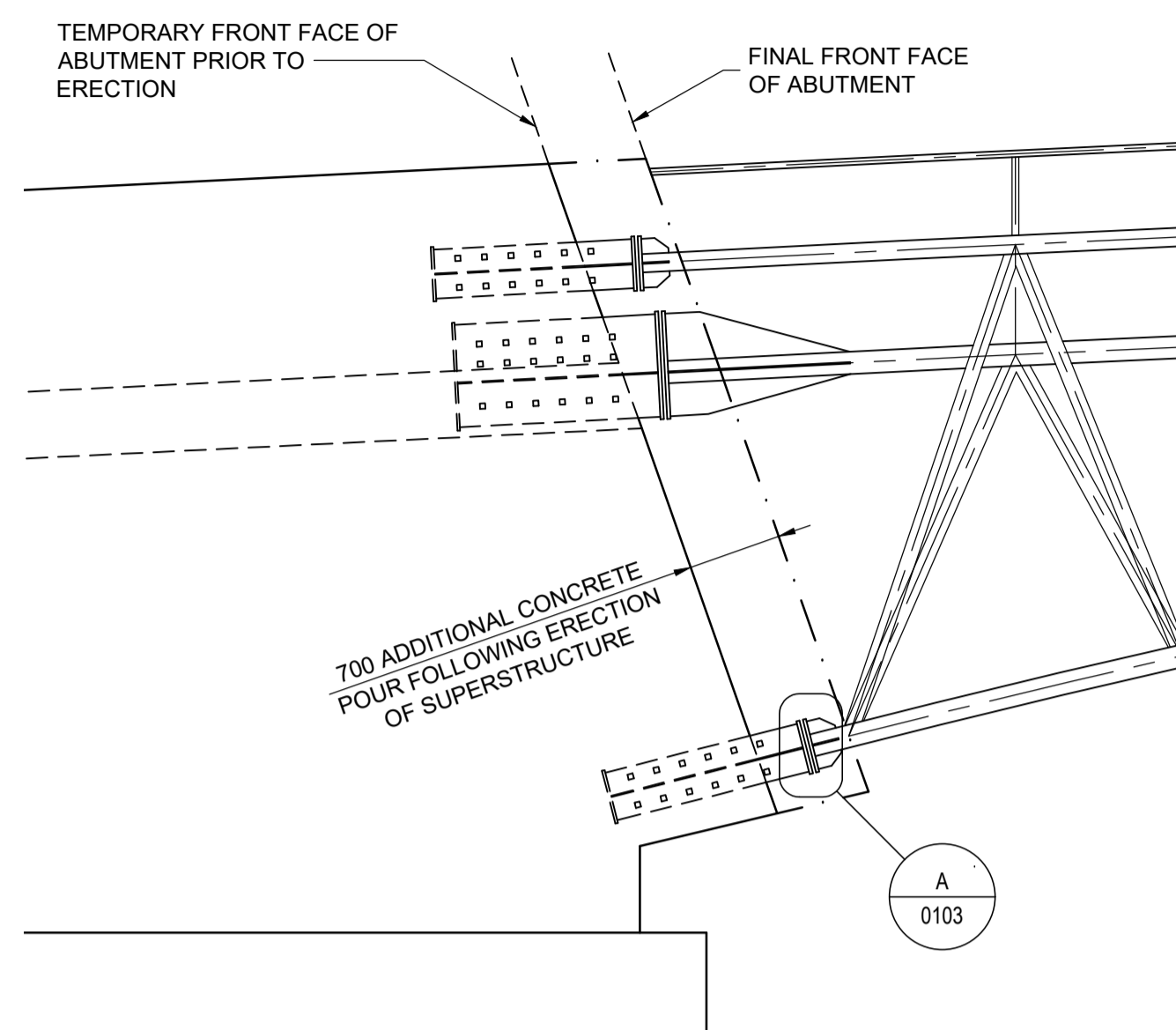
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Project Code	Originator Code	QMS Code		
BCIDA	ACM			

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

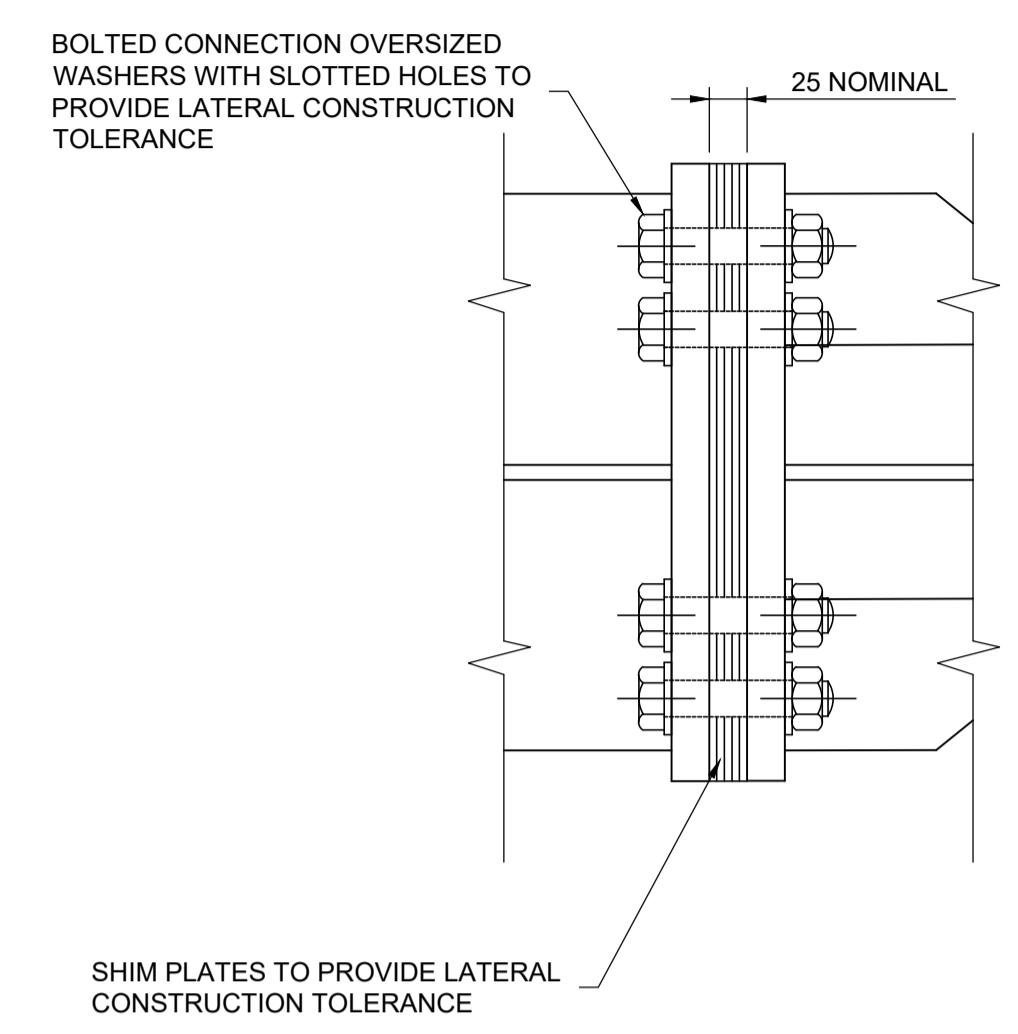
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ST03.06 BALLYDOWD PEDESTRIAN & CYCLE BRIDGE
DETAILS**

Drawing File Name	Sheet Number	Status	Rev
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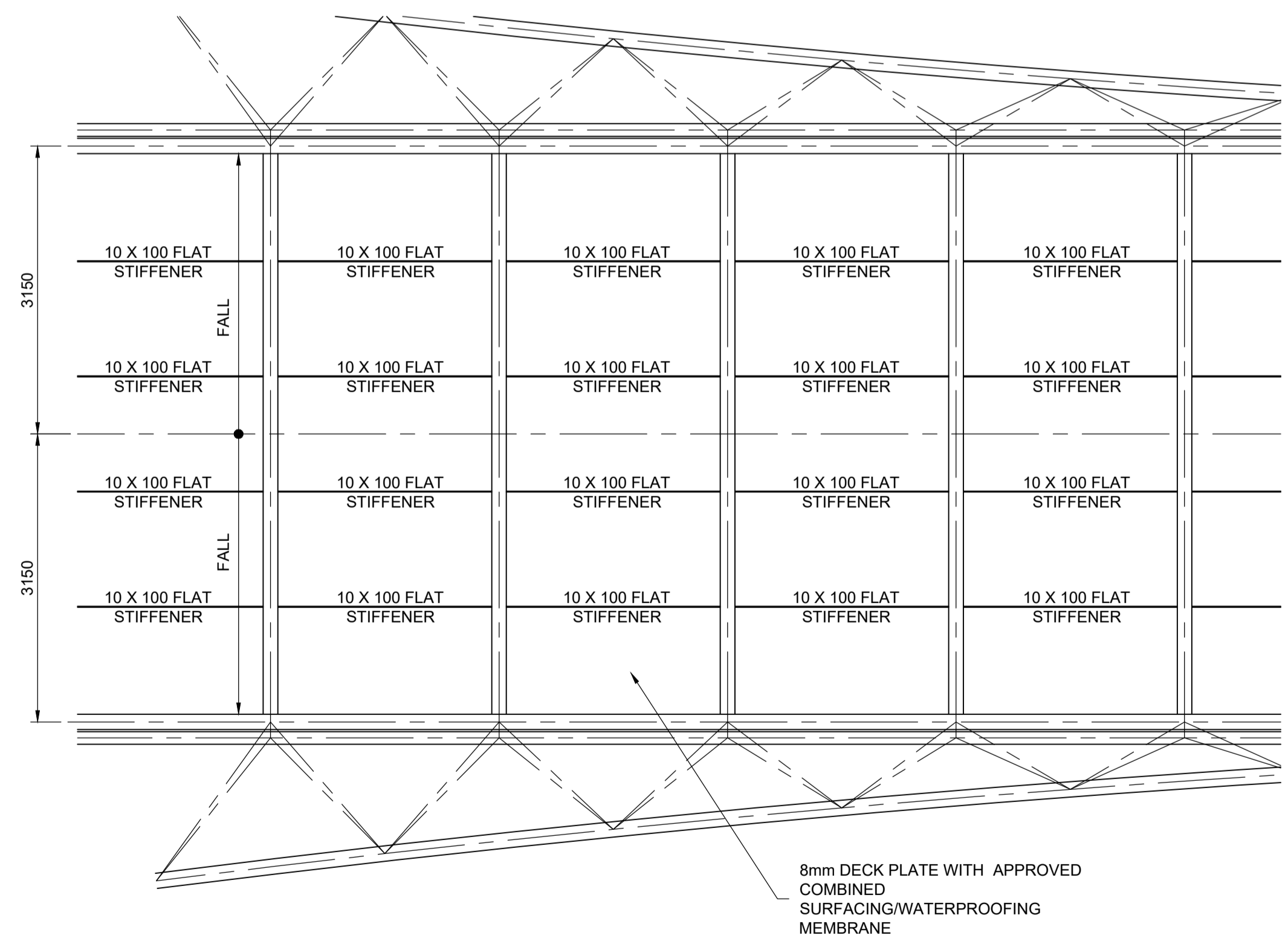
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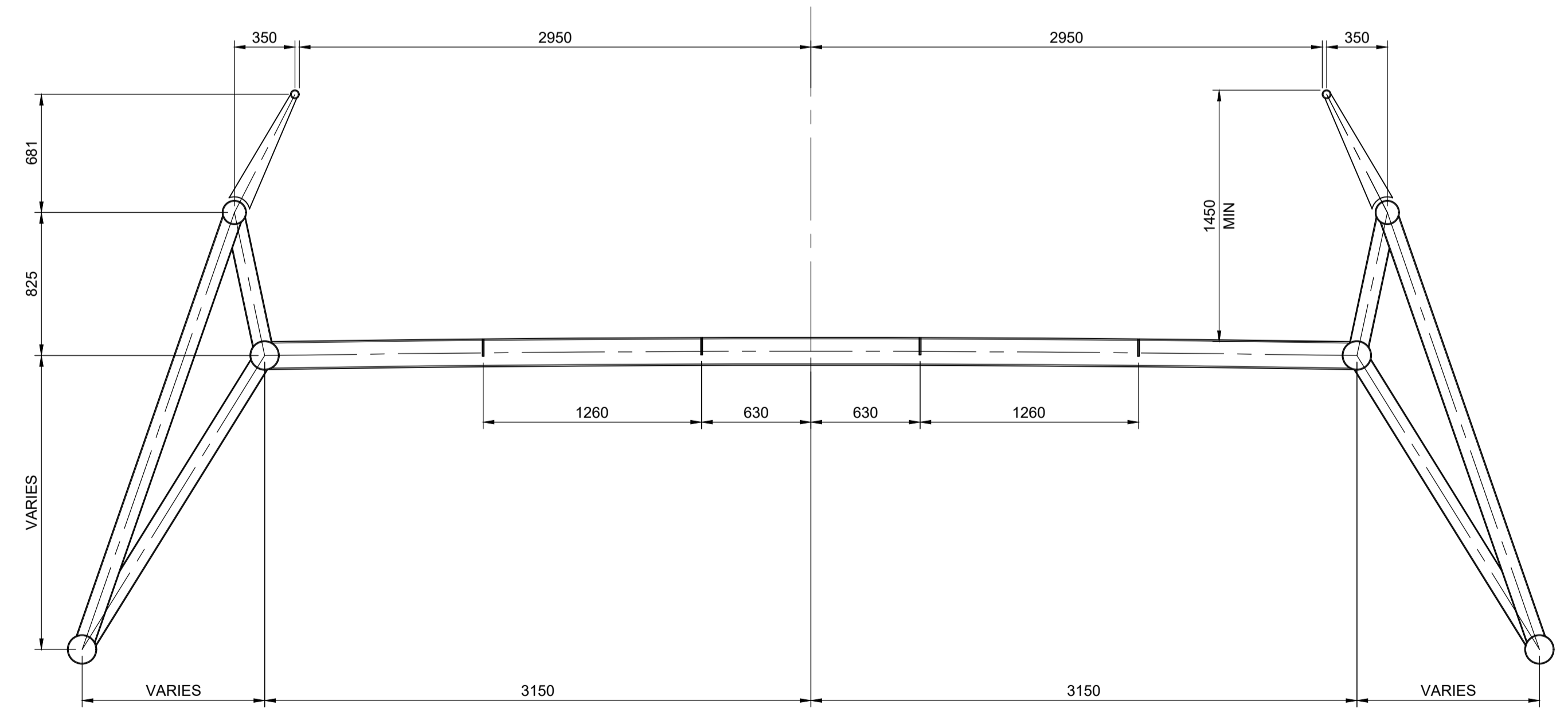
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1:100 @ A3



DETAIL A
1:5 @ A1
1:10 @ A3



TYPICAL PLAN VIEW OF DECK PLATE
1:50 @ A1
1:100 @ A3



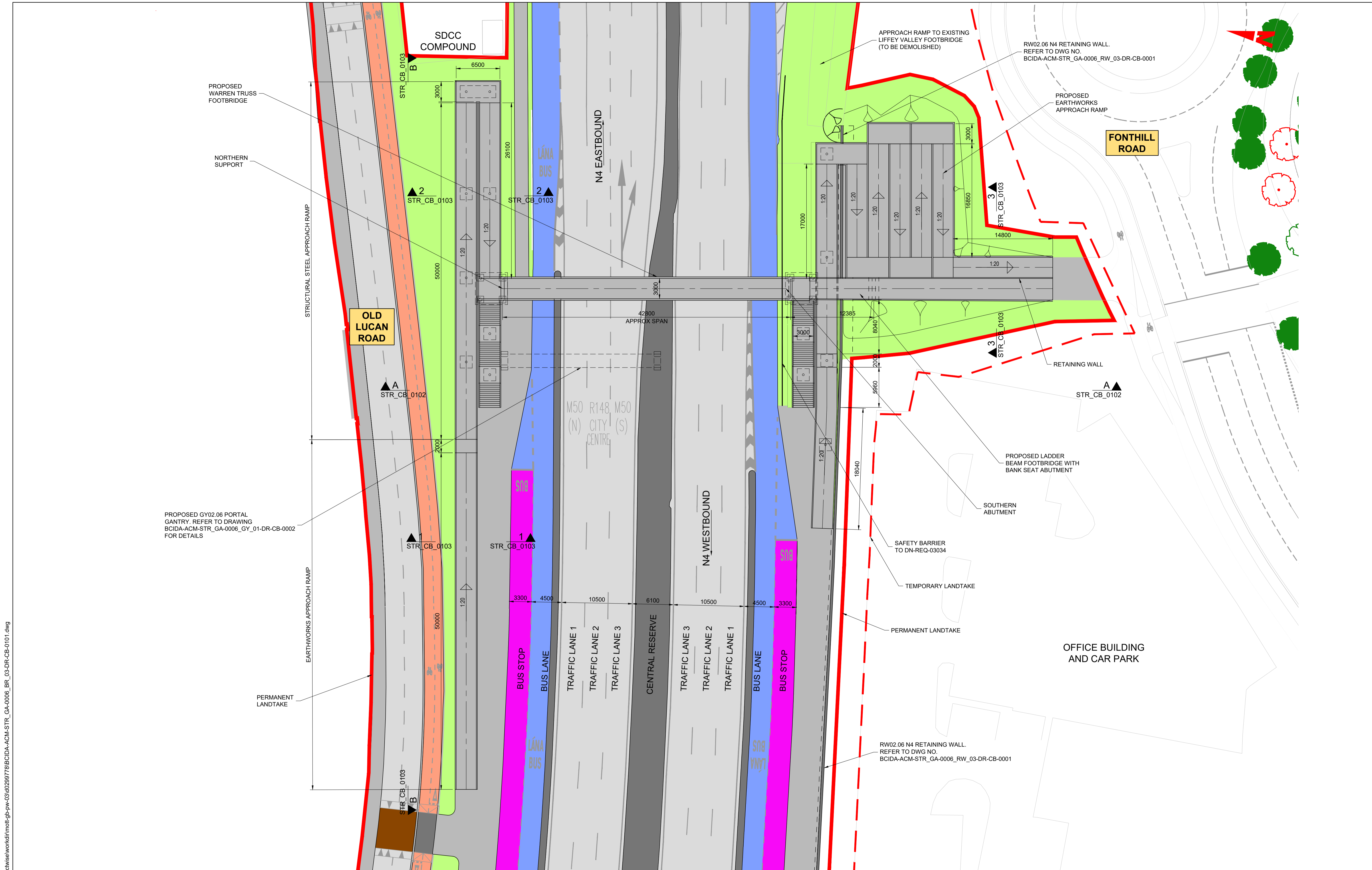
TYPICAL SECTION THROUGH DECK PLATE
1:25 @ A1
1:50 @ A3

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		<p>M01</p> <p>29/09/22</p> <p>AC</p> <p>AD</p> <p>CA</p> <p>ISSUE FOR PHASE 4: PLANNING</p>	<p>Date</p> <p>29/09/22</p> <p>Scale</p> <p>AS SHOWN @ A1 AS SHOWN @ A3</p> <p>Project Code</p> <p>BCIDA</p>	<p>Drawn</p> <p>A.COSTELLO</p> <p>Checked</p> <p>A.T.DALE</p> <p>Approved</p> <p>C.ACTON</p> <p>Originator Code</p> <p>ACM</p> <p>QMS Code</p>	<p>Drawing Title</p> <p>LUCAN TO CITY CENTRE CORE BUS CORRIDOR SCHEME ST03.06 BALLYDOWD PEDESTRIAN & CYCLE BRIDGE DETAILS</p>

<p>Rev</p> <p>Date</p> <p>Drn</p> <p>Chk'd</p> <p>App'd</p> <p>Description</p>	<p>Client</p> <p>Údarás Náisiúnta Iompair National Transport Authority</p>	<p>Engineering Designer</p> <p>MOTT MACDONALD</p>	<p>Programme Title</p> <p>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</p>
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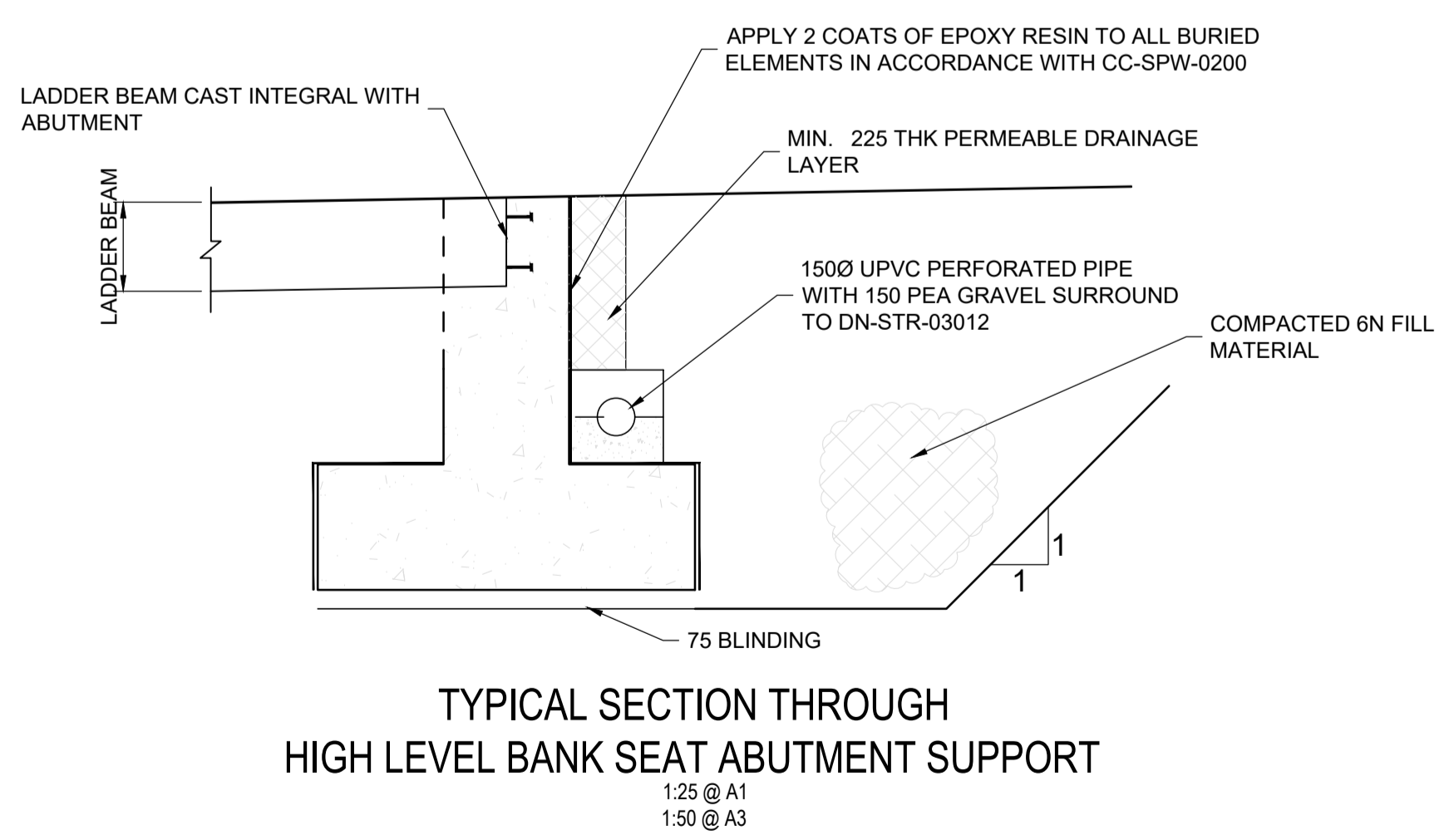
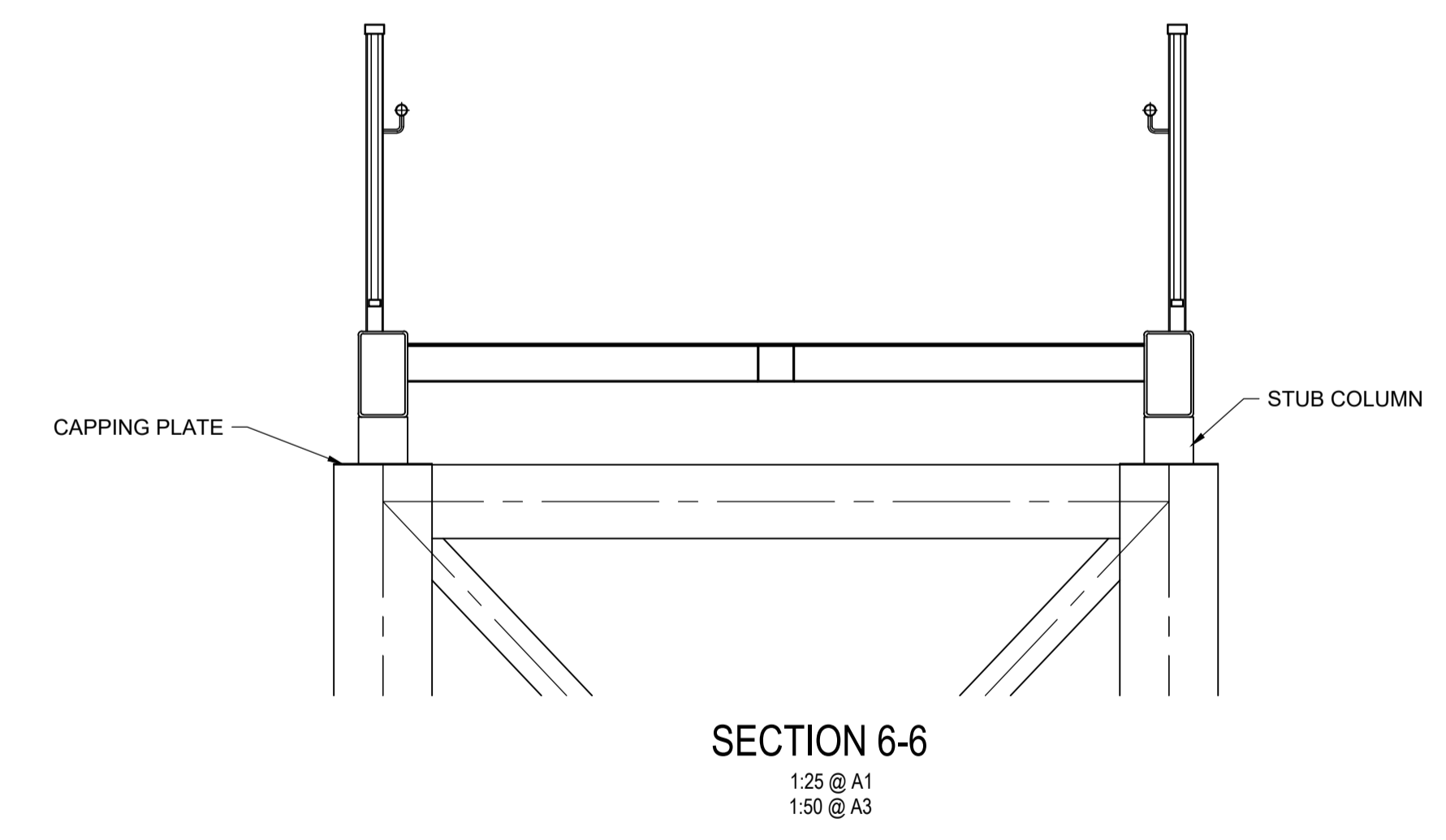
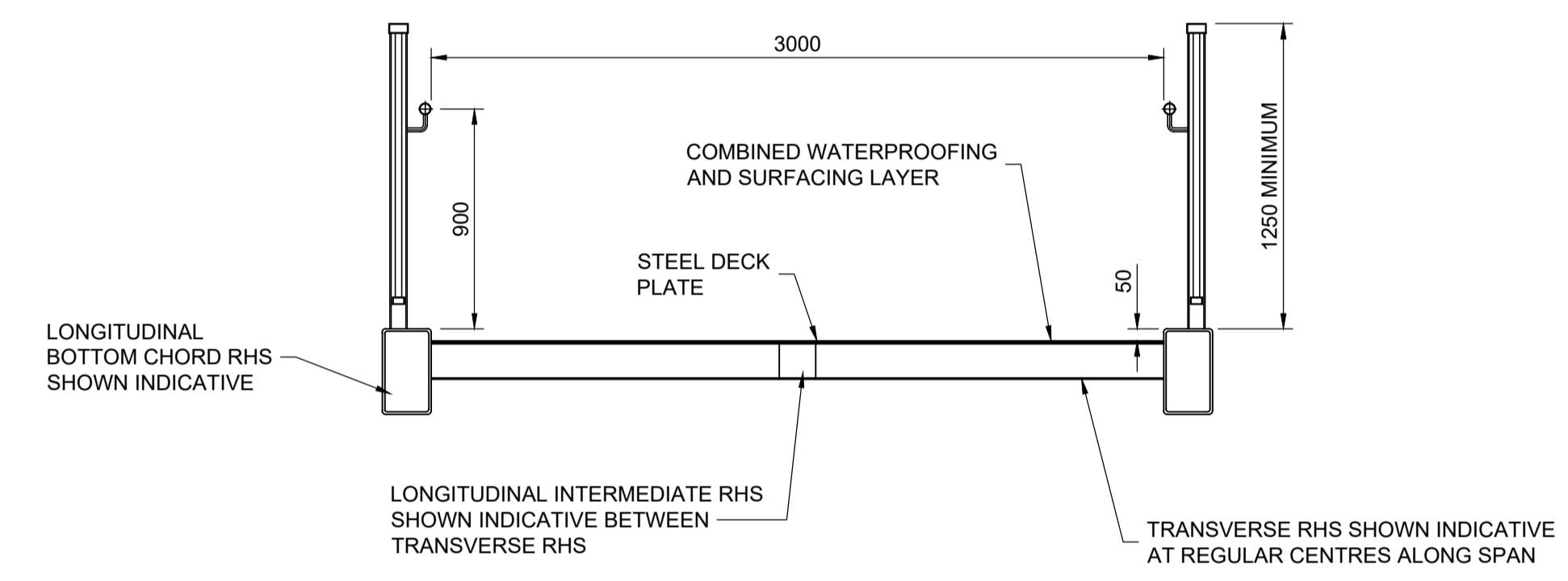
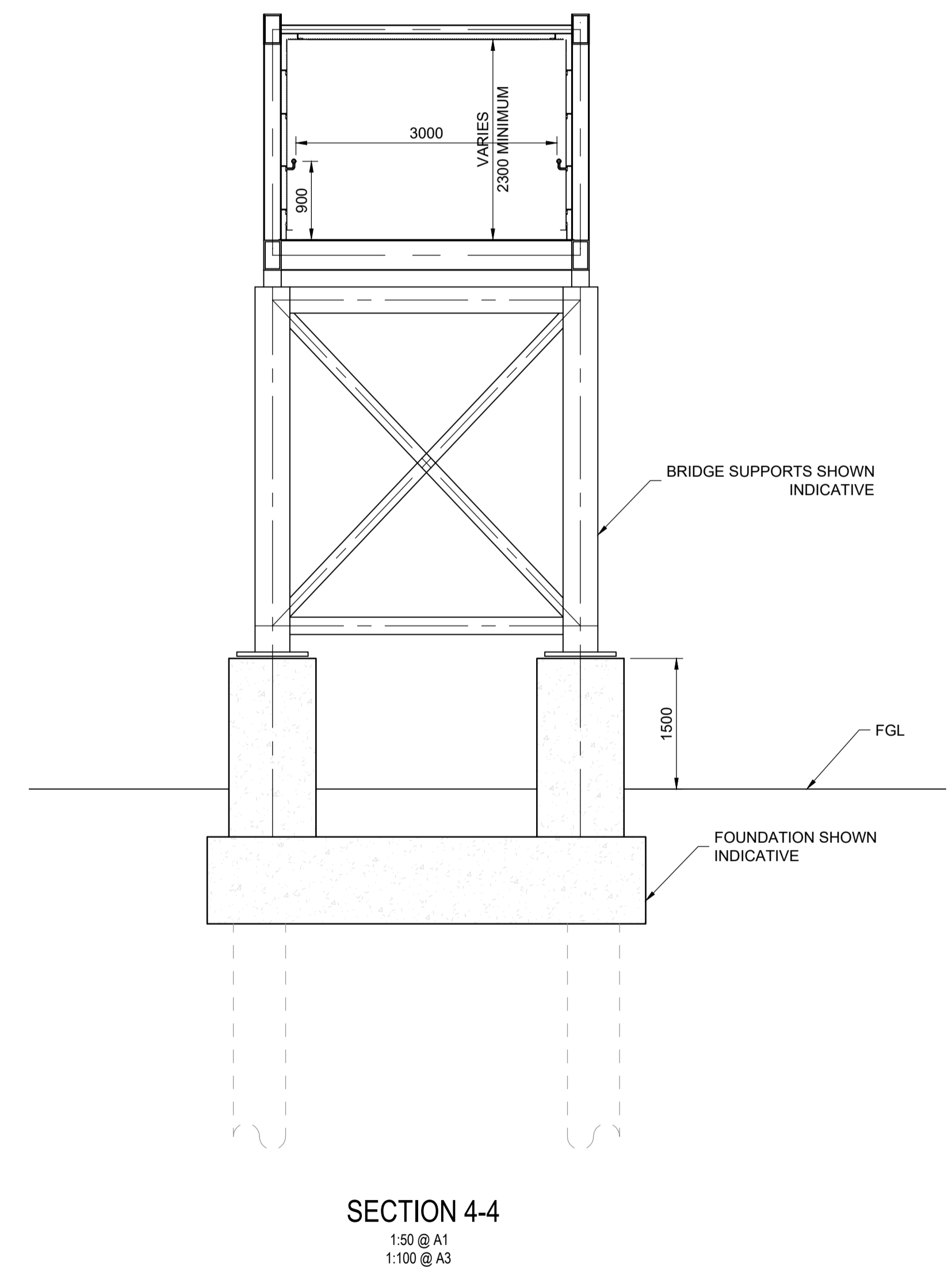
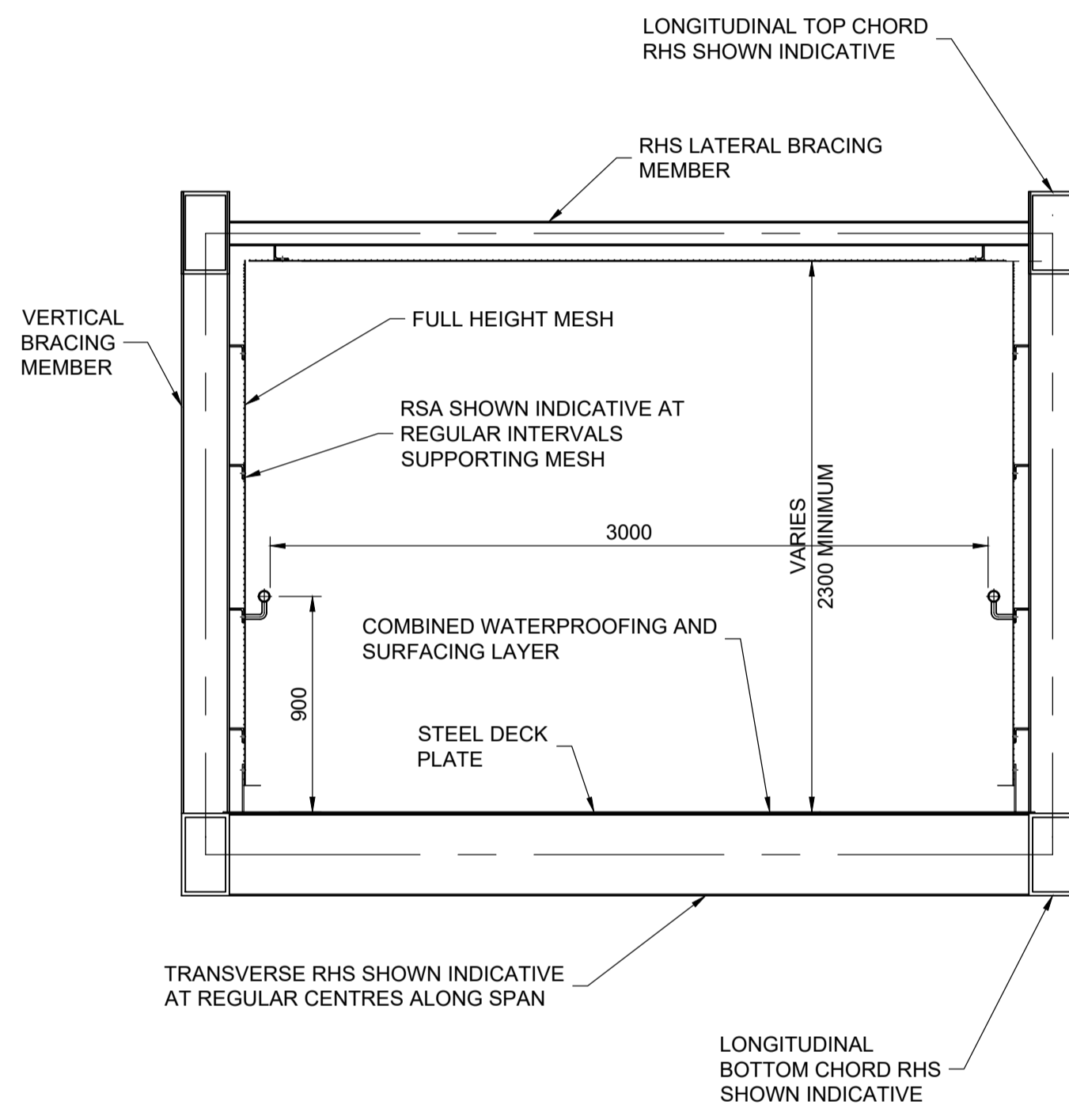
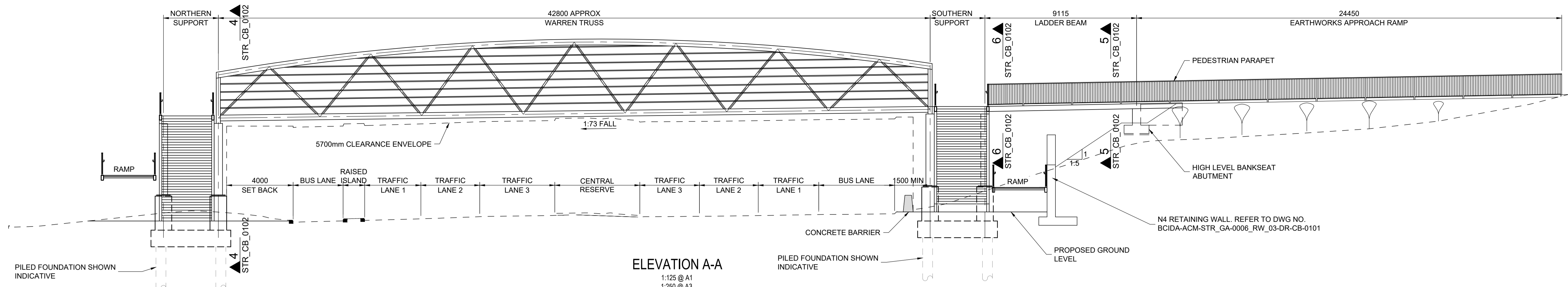
Project Ireland 2040
 Building Ireland's Future

Rev	Date	Drn	Chk'd	App'd	Description
M01	29/09/22	AC	AD	CA	ISSUE FOR PHASE 4: PLANNING

Client		Engineering Designer		Programme Title	
 Údarás Náisiúnta Iompair National Transport Authority		 		BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS	
Date		Scale		Drawing Title	
29/09/22		1:250 @ A1 1:500 @ A3		LUCAN TO CITY CENTRE CORE BUS CORRIDOR SCHEME	
Project Code		Originator Code		ST01.06 N4 PEDESTRIAN BRIDGE	
BCIDA		ACM		PLAN	
QMS Code		Checked		Drawing File Name	
		A.T.DALE		BCIDA-ACM-STR_GA-0006_BR_03-DR-CB-0101	
Approved		Status		Sheet Number	
C.ACTON		A		1 of 1	
Rev		M01			

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

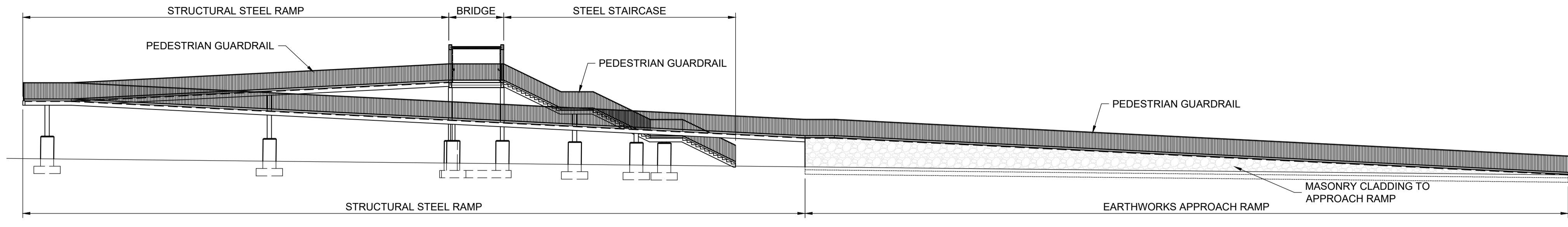
Engineering Designer: **AECOM**, **MOTT MACDONALD**

Date: 29/09/22 | Scale: AS SHOWN @ A1, AS SHOWN @ A3 | Drawn: A.COSTELLO | Checked: A.T.DALE | Approved: C.ACTON

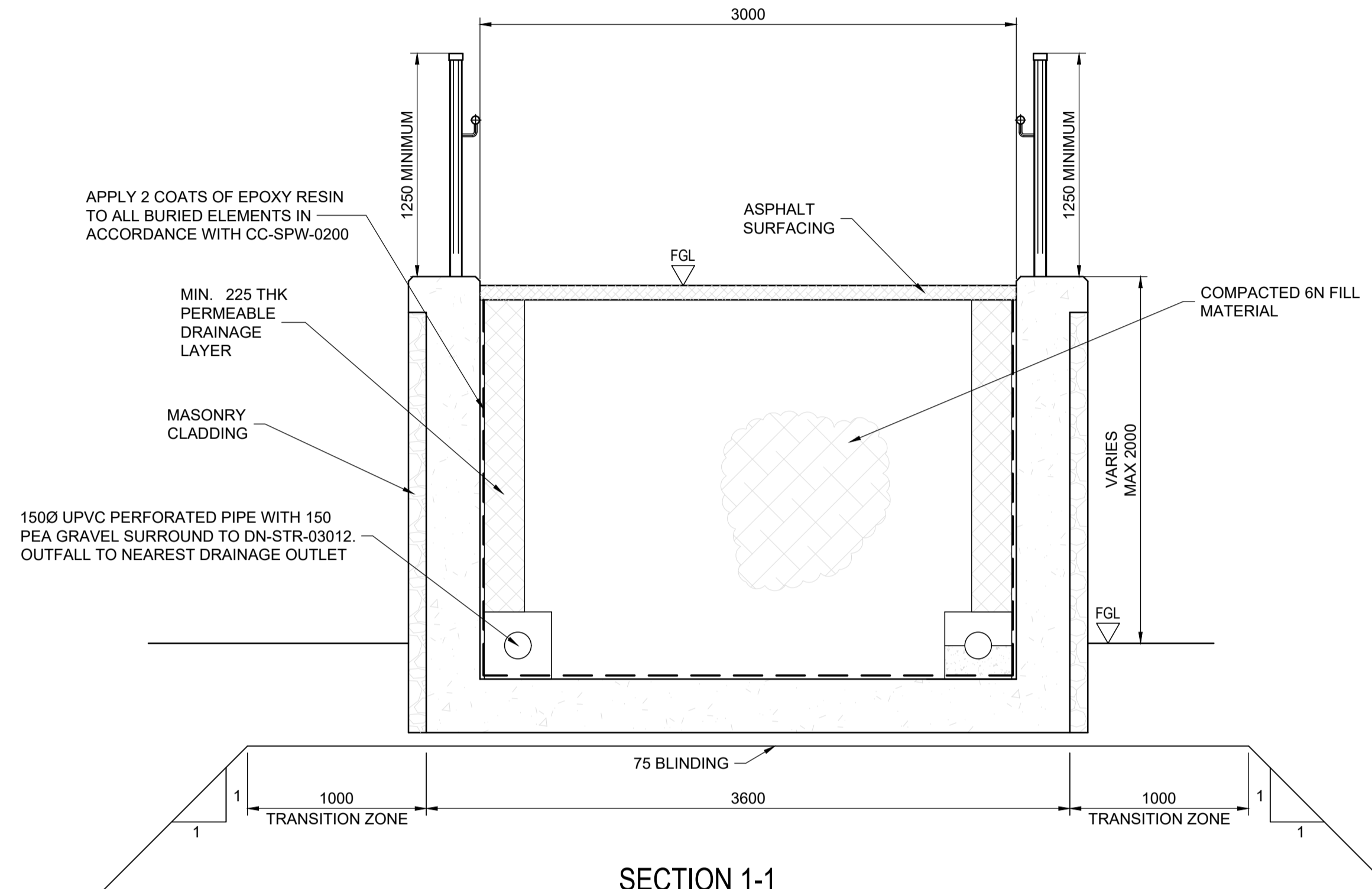
Project Code: BCIDA | Originator Code: ACM | QMS Code:

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: LUCAN TO CITY CENTRE CORE BUS CORRIDOR SCHEME ST01.06 N4 PEDESTRIAN BRIDGE DETAILS			
Drawing File Name: BCIDA-ACM-STR_GA-0006_BR_03-DR-CB-0102	Sheet Number: 1 of 2	Status: A	Rev: M01

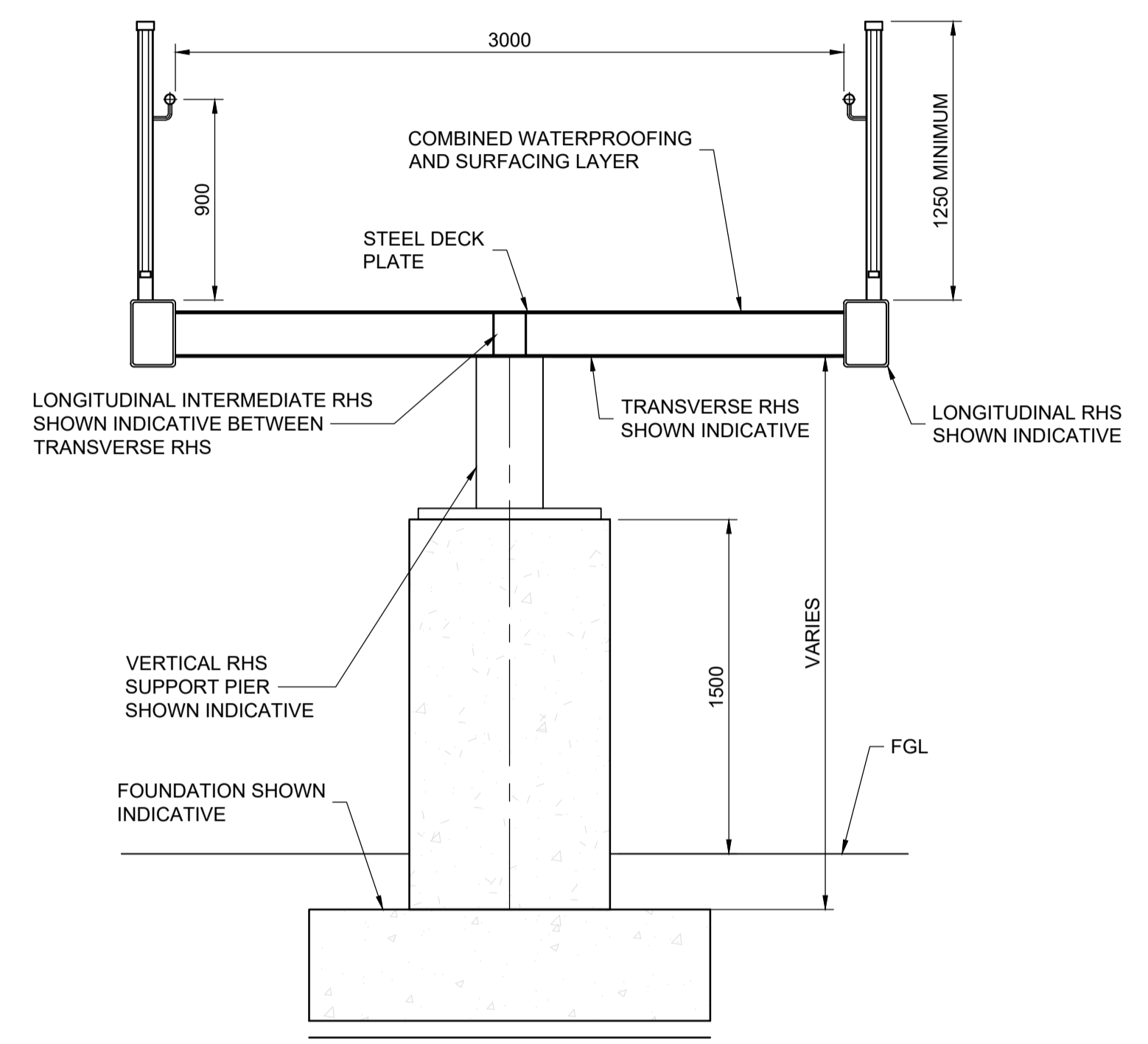
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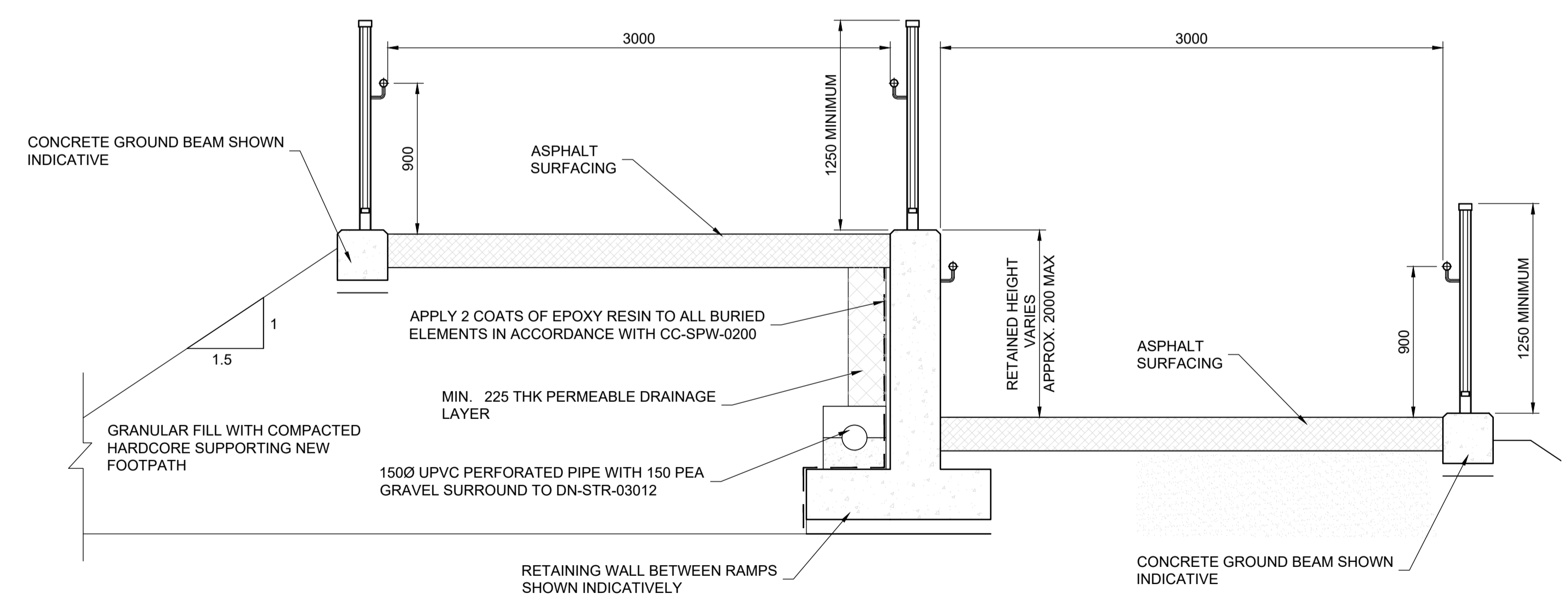
ELEVATION B-B
1:200 @ A1
1:400 @ A3



SECTION 1-1
TYPICAL SECTION THROUGH EARTHWORKS APPROACH RAMP
1:25 @ A1
1:50 @ A3



SECTION 2-2
TYPICAL SECTION THROUGH STEEL RAMP AT SUPPORT
1:25 @ A1
1:50 @ A3



SECTION 3-3
TYPICAL SECTION THROUGH EARTHWORKS APPROACH RAMP
1:25 @ A1
1:50 @ A3

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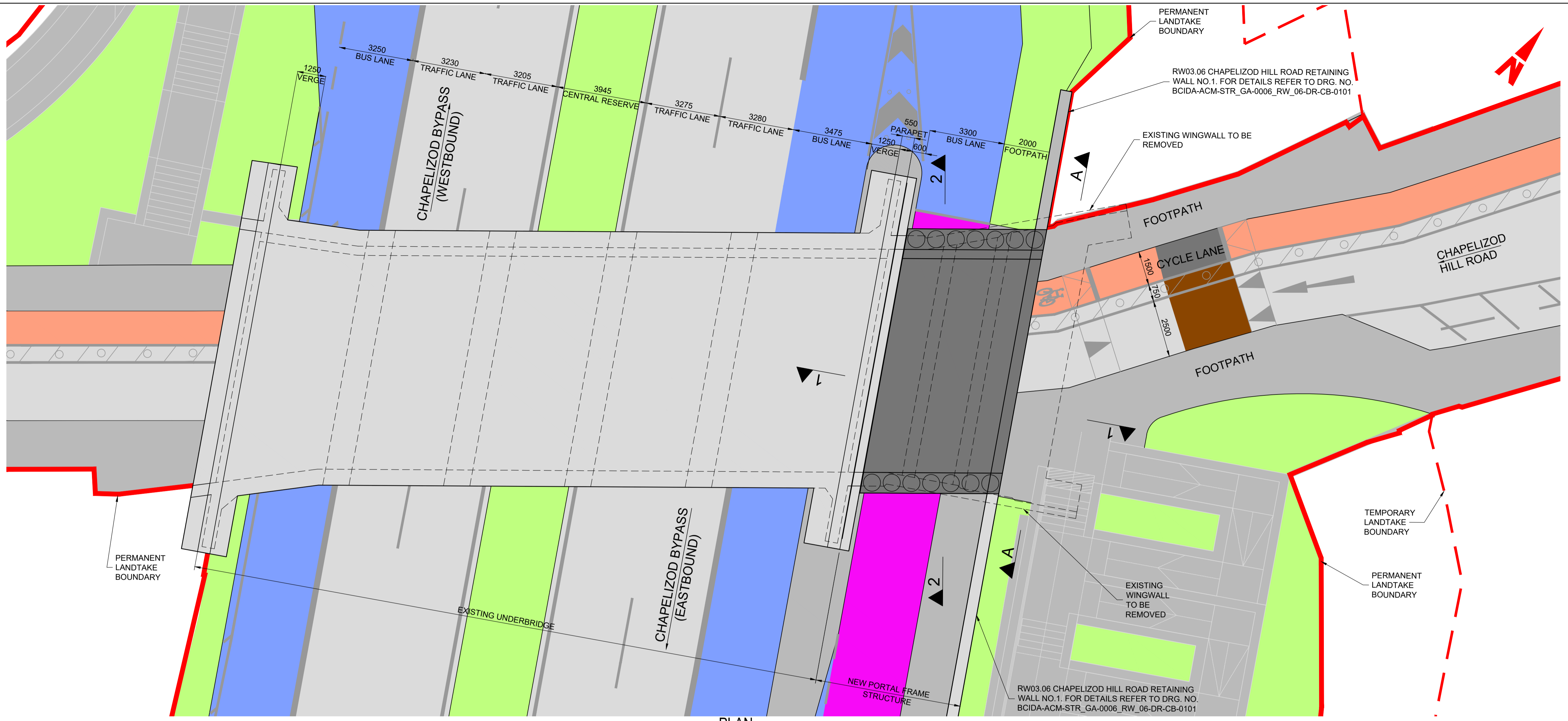


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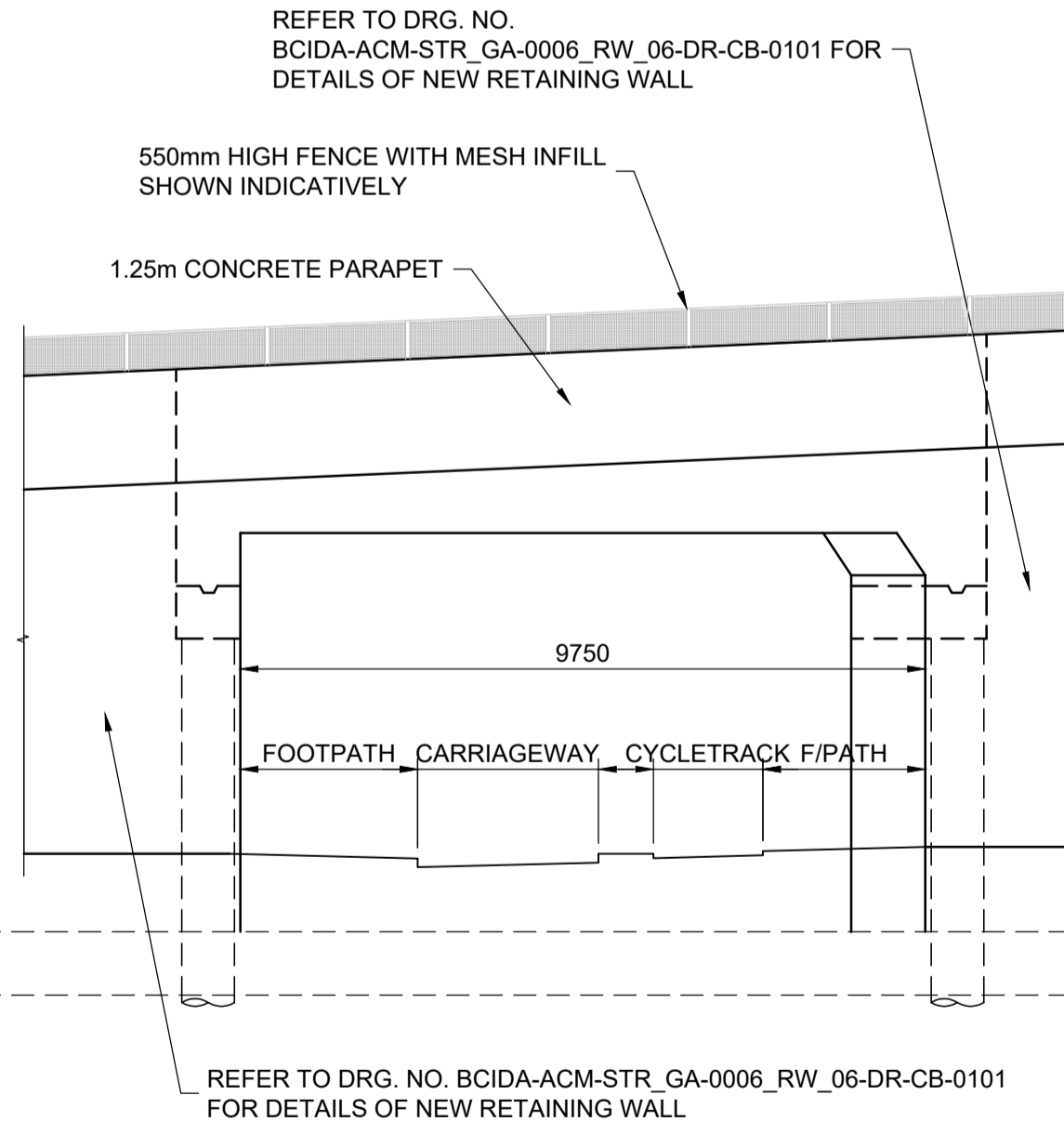
Client NTA Údarás Náisiúnta Iompair National Transport Authority		Engineering Designer AECOM M MOTT M MACDONALD		
Date 29/09/22	Scale AS SHOWN @ A1 AS SHOWN @ A3	Drawn A.COSTELLO	Checked A.T.DALE	Approved C.ACTON
Project Code BCIDA	Originator Code ACM	QMS Code		

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title LUCAN TO CITY CENTRE CORE BUS CORRIDOR SCHEME ST01.06 N4 PEDESTRIAN BRIDGE DETAILS				
Drawing File Name BCIDA-ACM-STR_GA-0006_BR_03-DR-CB-0103	Sheet Number 2 of 2	Status A	Rev M01	

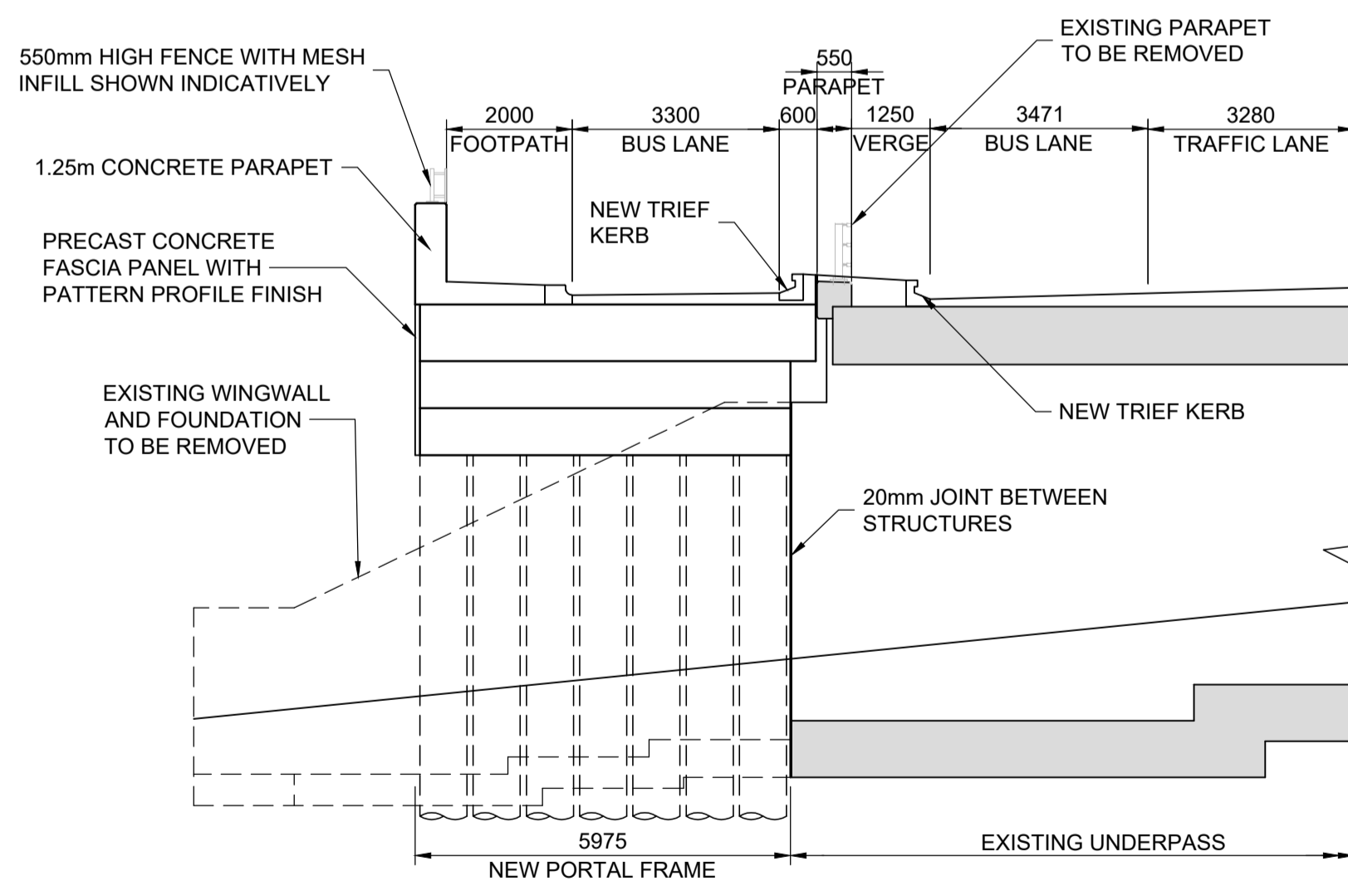
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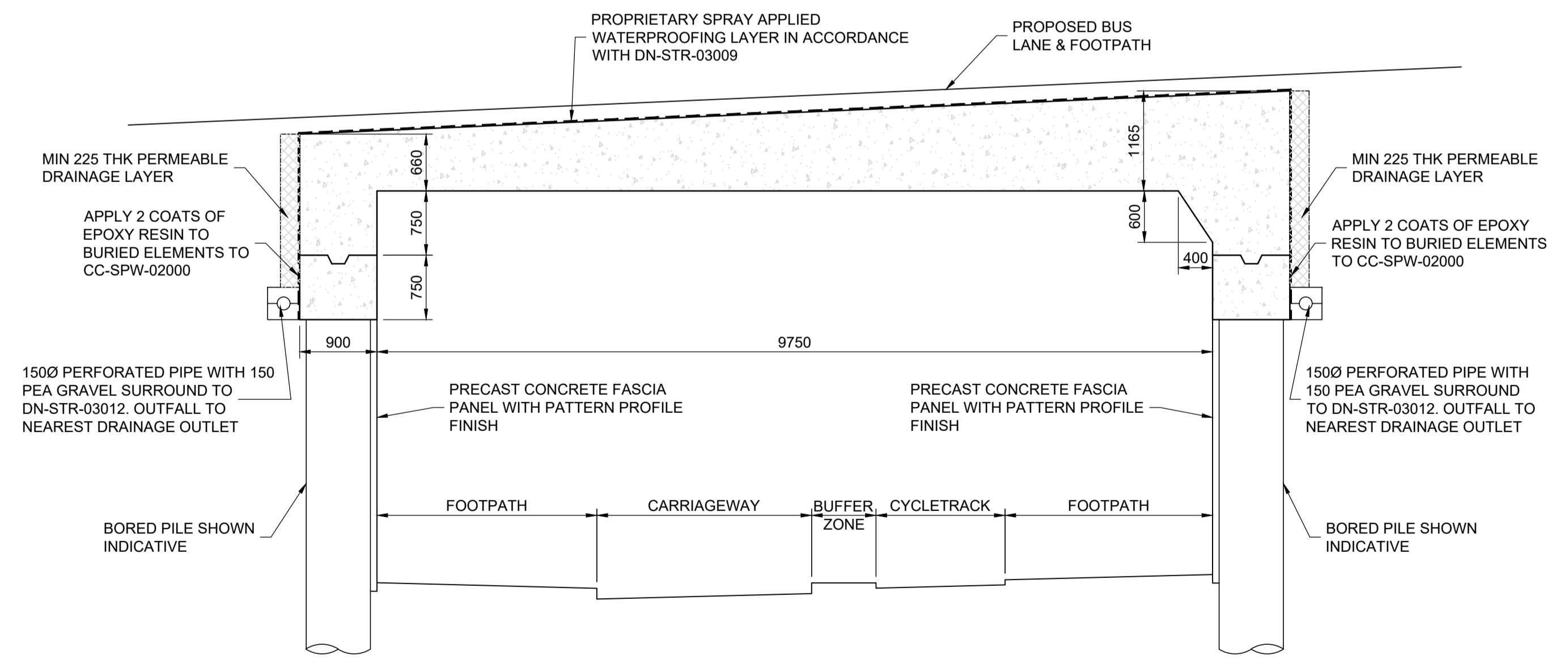
PLAN
1:100 @ A1
1:200 @ A3



PROPOSED ELEVATION A-A
1:100 @ A1
1:200 @ A3



SECTION 1-1
1:100 @ A1
1:200 @ A3



SECTION 2-2
1:50 @ A1
1:100 @ A3

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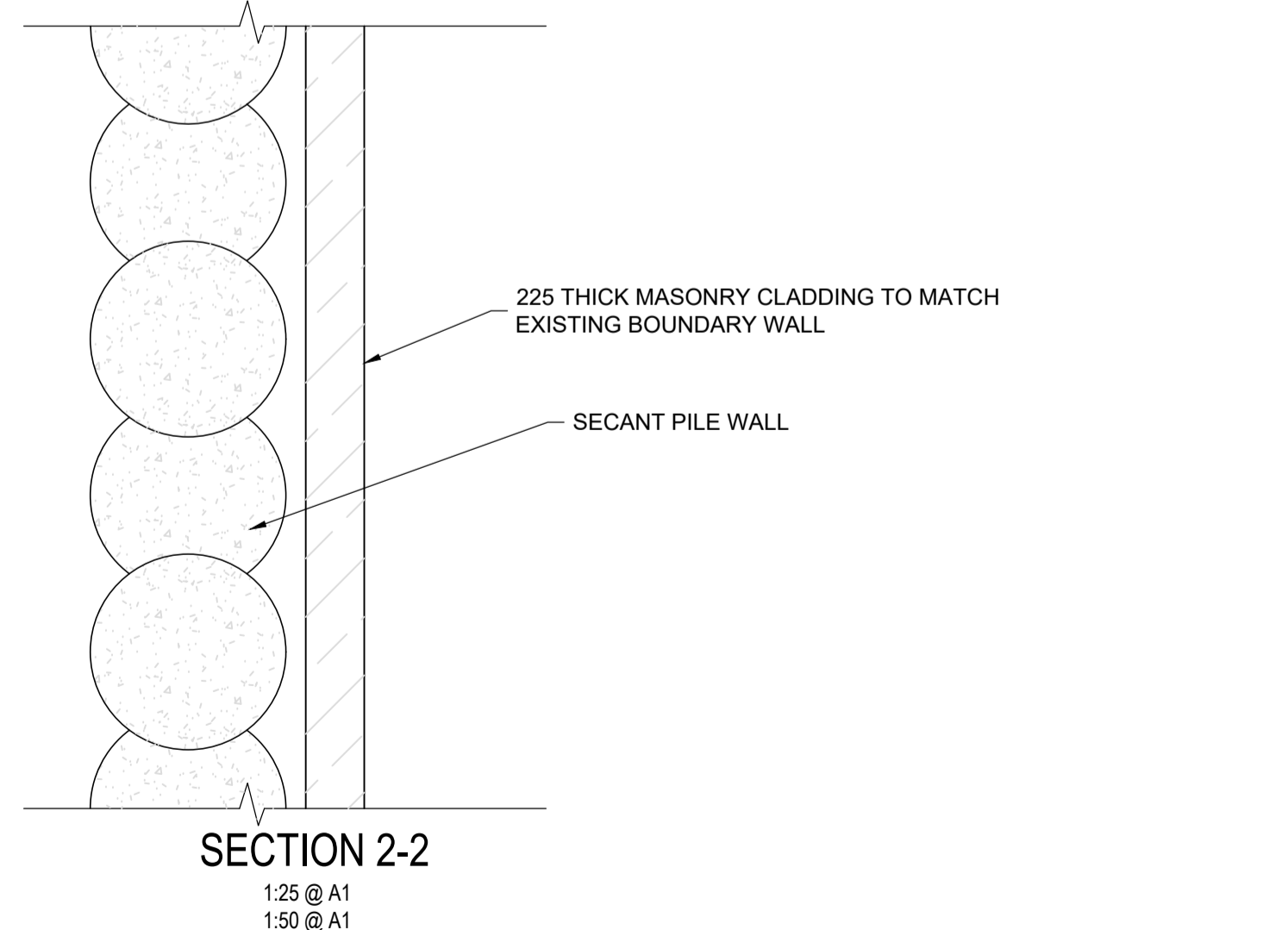
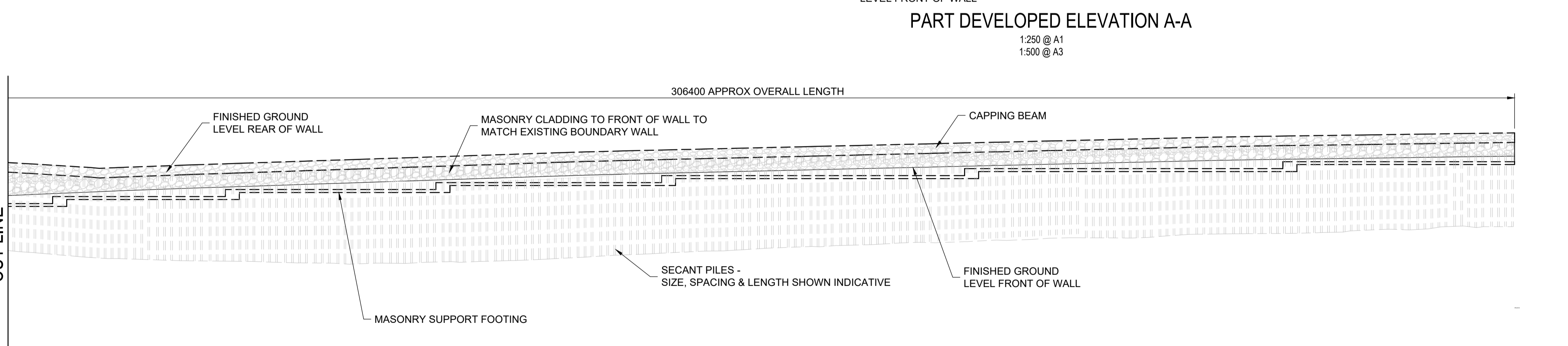
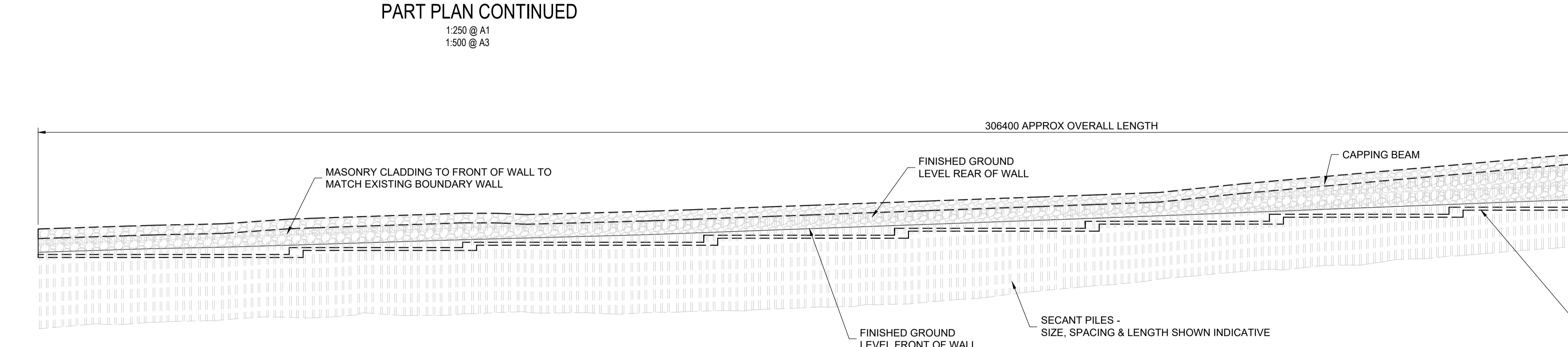
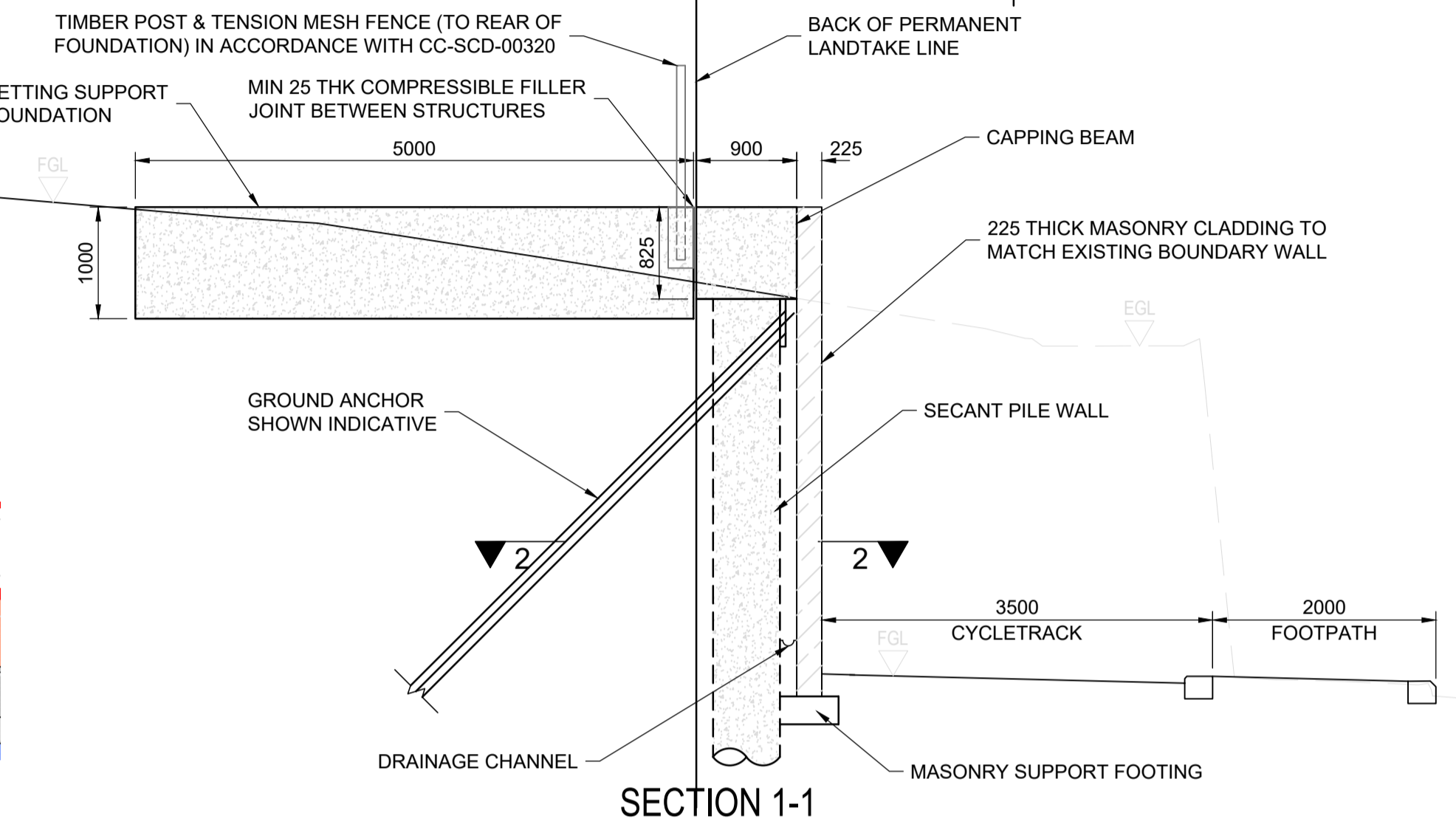
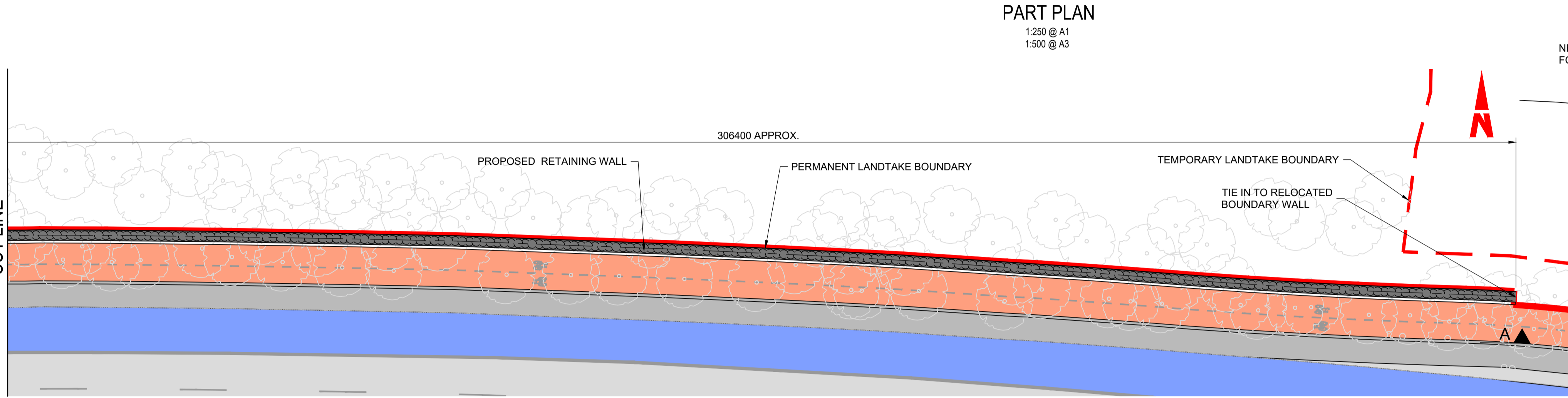
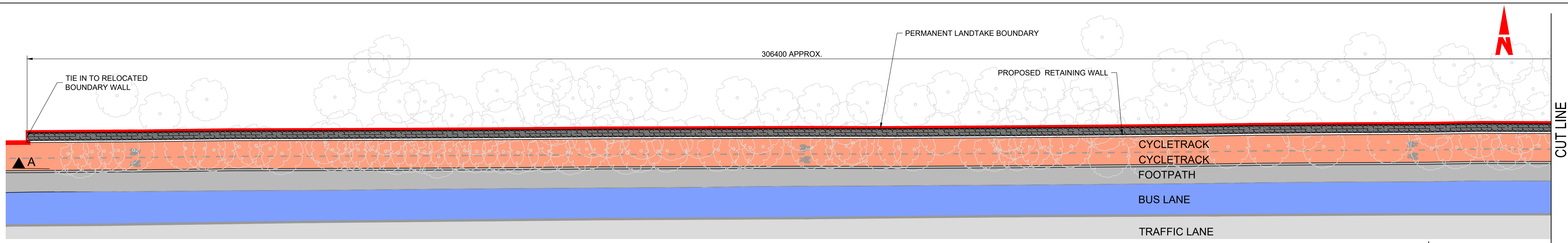


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M01	29/09/22	AC	AD	CA	ISSUE FOR PHASE 4: PLANNING

NTA Údarás Náisiúnta Iompair National Transport Authority		AECOM		MOTT MACDONALD	
Date	29/09/22	Scale	AS SHOWN @ A1 AS SHOWN @ A3	Drawn	A.COSTELLO
Project Code	BCIDA	Originator Code	ACM	Checked	A.T.DALE
				Approved	C.ACTON

BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title LUCAN TO CITY CENTRE CORE BUS CORRIDOR SCHEME ST02.06 CHAPELIZOD HILL ROAD BRIDGE GENERAL ARRANGEMENT			
Drawing File Name	BCIDA-ACM-STR_GA-0006_BR_06-DR-CB-0101	Sheet Number	1 of 1
Status	A	Rev	M01

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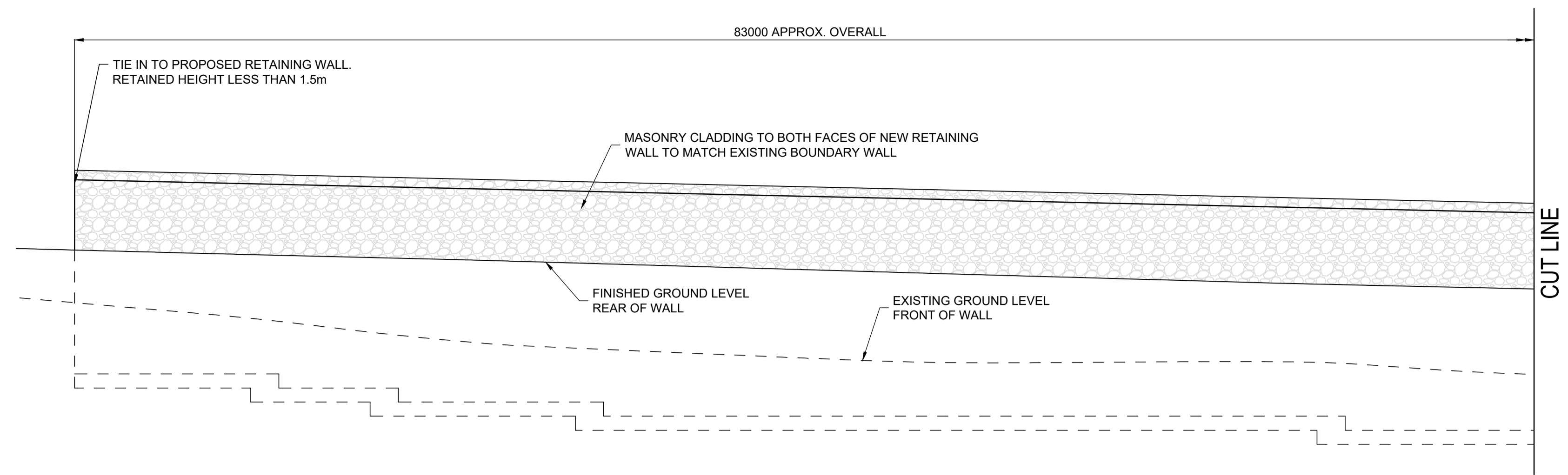
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Rev	Date	Drn	Chk'd	App'd	Description
M01	29/09/22	AC	AD	CA	ISSUE FOR PHASE 4: PLANNING

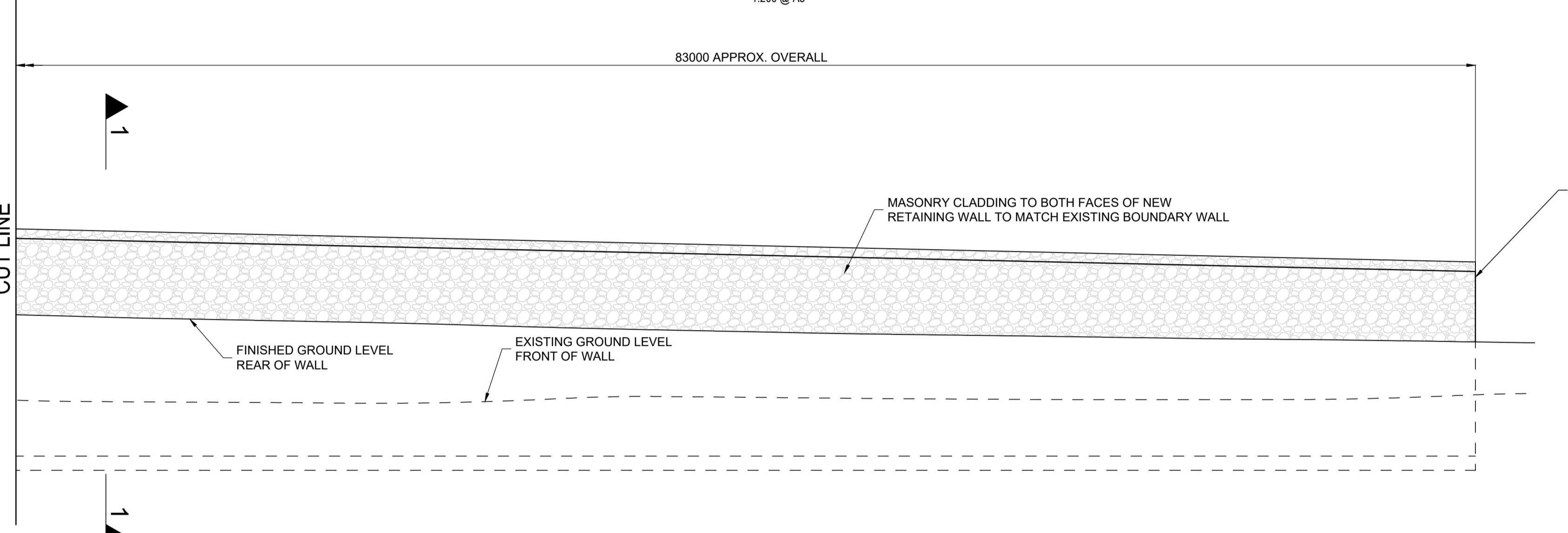
 Údarás Náisiúnta Iompair National Transport Authority		Engineering Designer 							
Date	29/09/22	Scale	AS SHOWN @ A1 AS SHOWN @ A3	Drawn	A.COSTELLO	Checked	A.T.DALE	Approved	C.ACTON
Project Code	BCIDA	Originator Code	ACM	QMS Code					

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title LUCAN TO CITY CENTRE CORE BUS CORRIDOR SCHEME RW01.06 HERMITAGE GOLF CLUB RETAINING WALL GENERAL ARRANGEMENT			
Drawing File Name	BCIDA-ACM-STR_GA-0006_RW_01-DR-CB-0101	Sheet Number	1 of 1
Status	A	Rev	M01

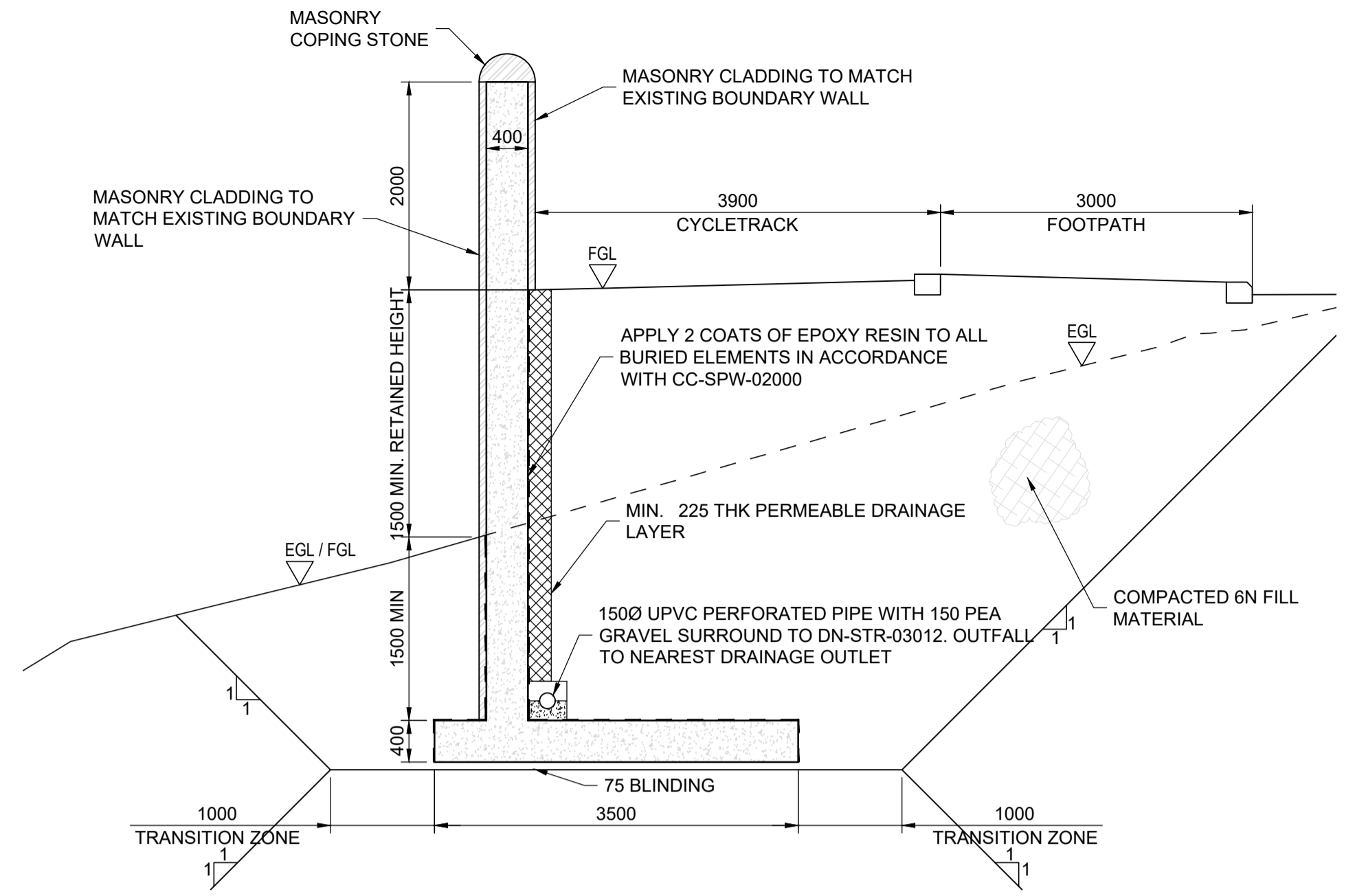
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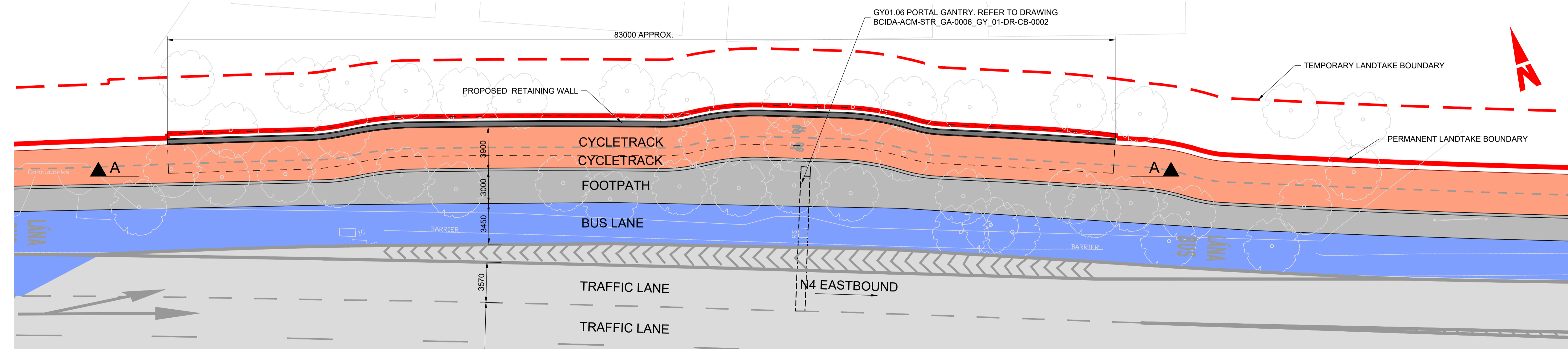
PART DEVELOPED ELEVATION A-A
1:100 @ A1
1:200 @ A3



PART DEVELOPED ELEVATION A-A
1:100 @ A1
1:200 @ A3



SECTION 1-1
1:50 @ A1
1:100 @ A1



PLAN
1:200 @ A1
1:400 @ A3

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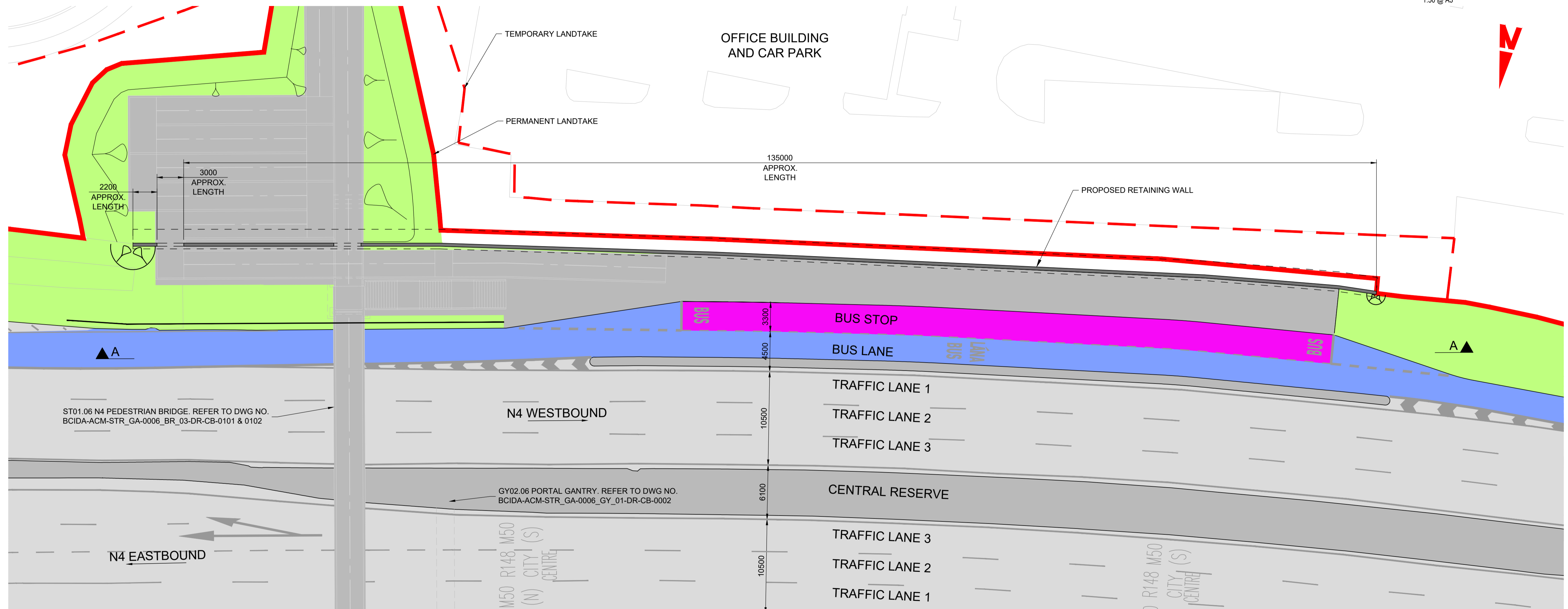
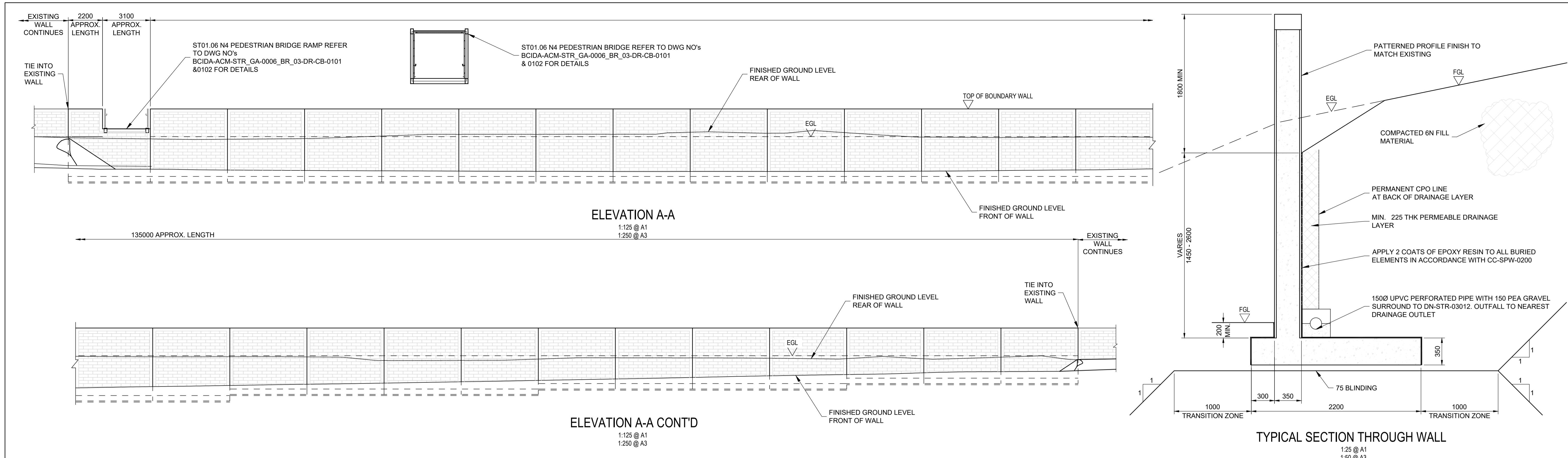


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M01	29/09/22	AC	AD	CA	ISSUE FOR PHASE 4: PLANNING

 Údarás Náisiúnta Iompair National Transport Authority		Engineering Designer 		
Date	Scale	Drawn	Checked	Approved
29/09/22	AS SHOWN @ A1 AS SHOWN @ A3	A.COSTELLO	A.T.DALE	C.ACTON
Project Code	Originator Code	QMS Code		
BCIDA	ACM			

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title LUCAN TO CITY CENTRE CORE BUS CORRIDOR SCHEME RW05.06 HERMITAGE MEDICAL CLINIC RETAINING WALL GENERAL ARRANGEMENT			
Drawing File Name	Sheet Number	Status	Rev
BCIDA-ACM-STR_GA-0006_RW_02-DR-CB-0101	1 of 1	A	M01

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Client
NTA
Údarás Náisiúnta Iompair
National Transport Authority

Engineering Designer
AECOM
MOTT MACDONALD

Date
29/09/22

Scale
AS SHOWN @ A1
AS SHOWN @ A3

Drawn
A.COSTELLO

Checked
A.T.DALE

Approved
C.ACTON

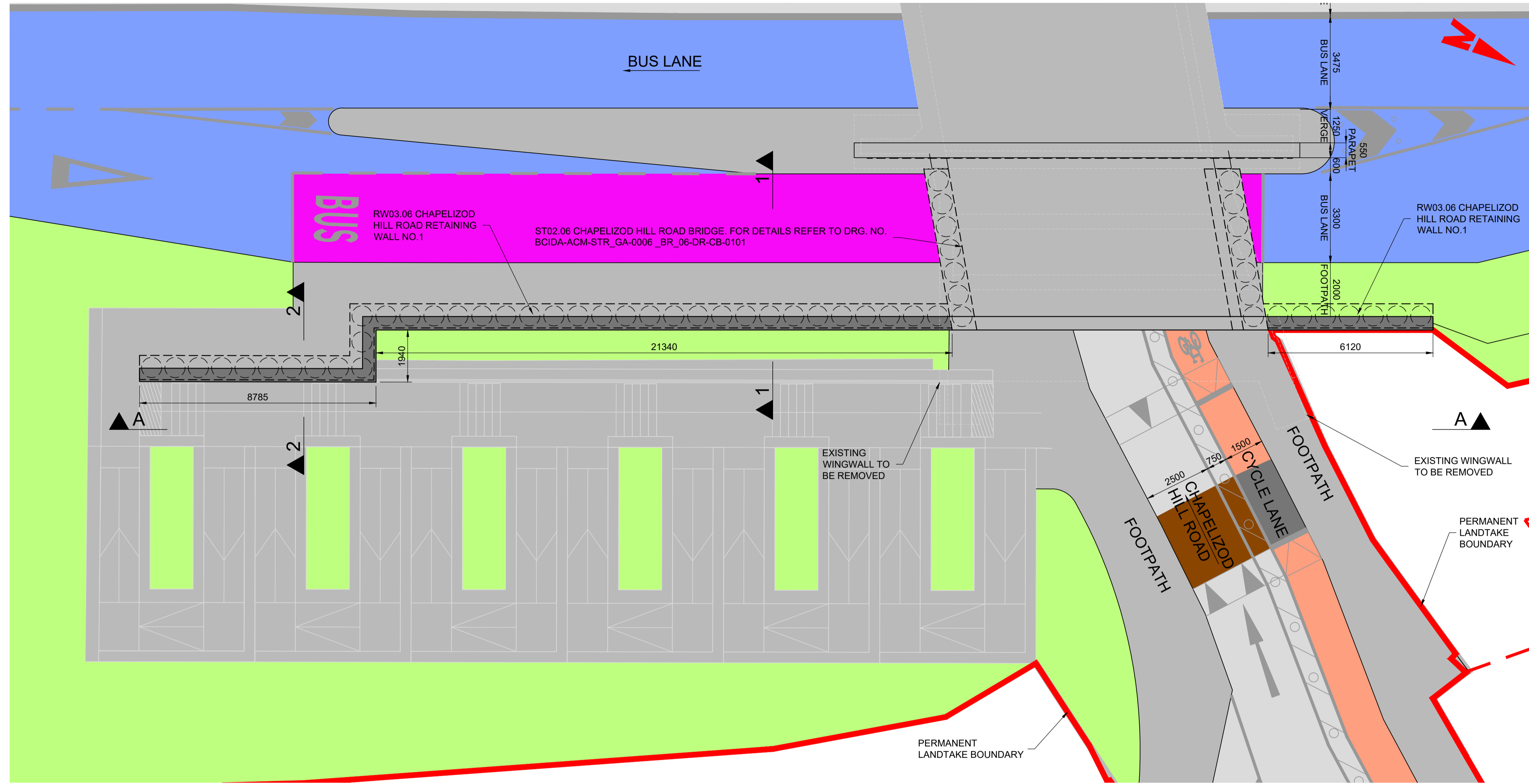
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Originator Code
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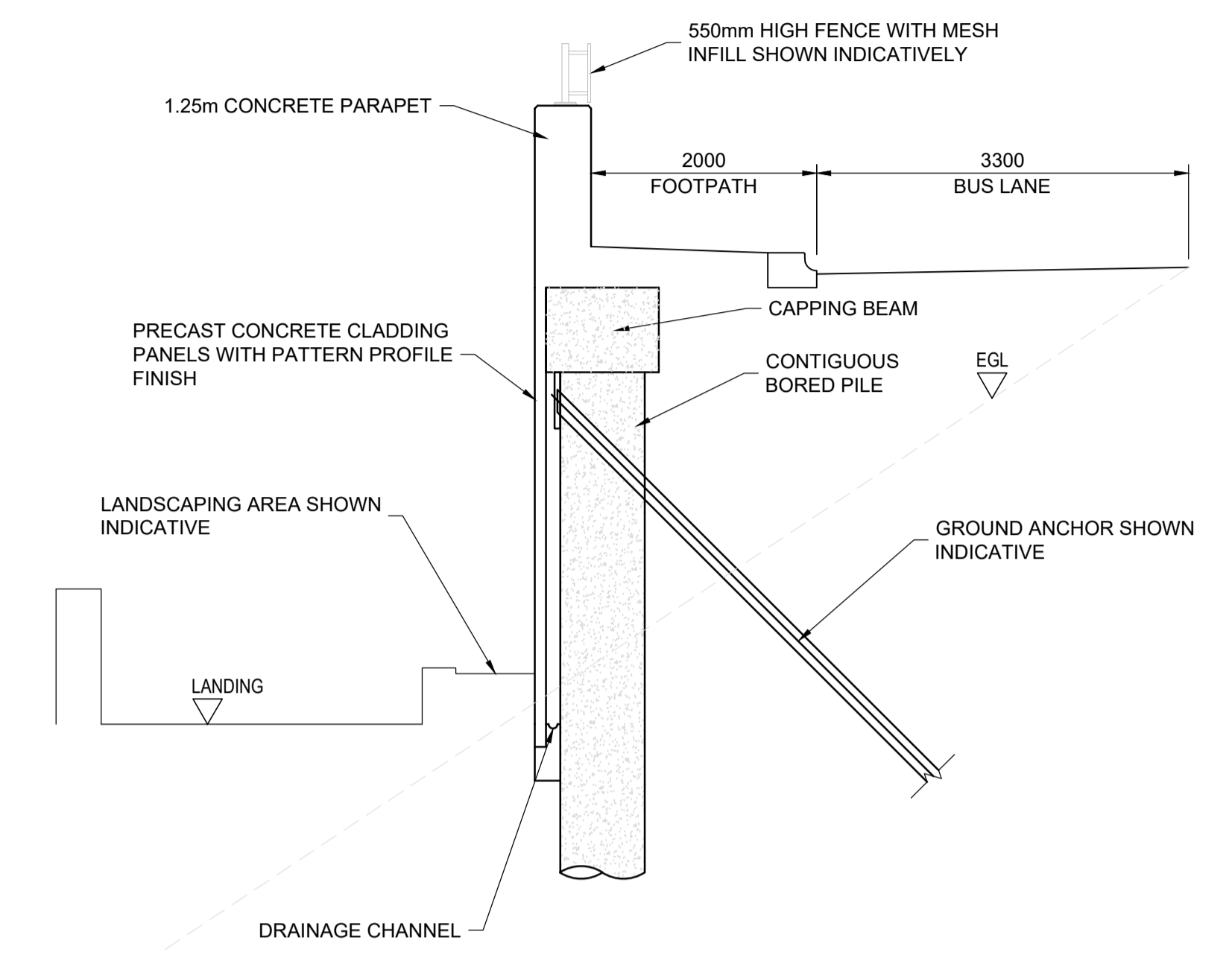
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Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title LUCAN TO CITY CENTRE CORE BUS CORRIDOR SCHEME RW02.06 N4 RETAINING WALL GENERAL ARRANGEMENT			
Drawing File Name BCIDA-ACM-STR_GA-0006_RW_03-DR-CB-0101	Sheet Number 1 of 1	Status A	Rev M01

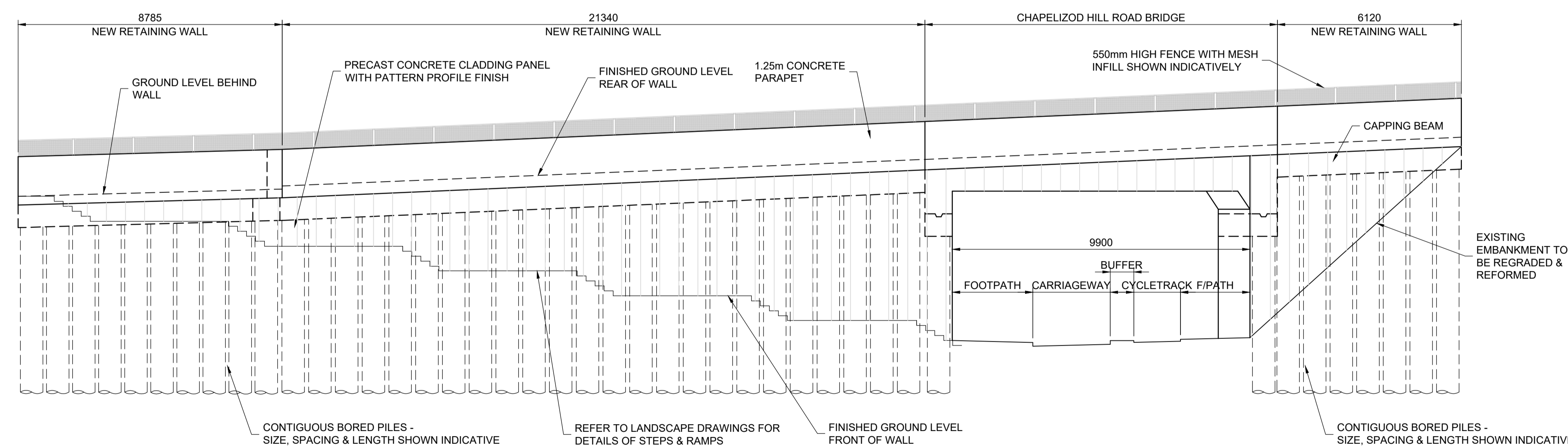
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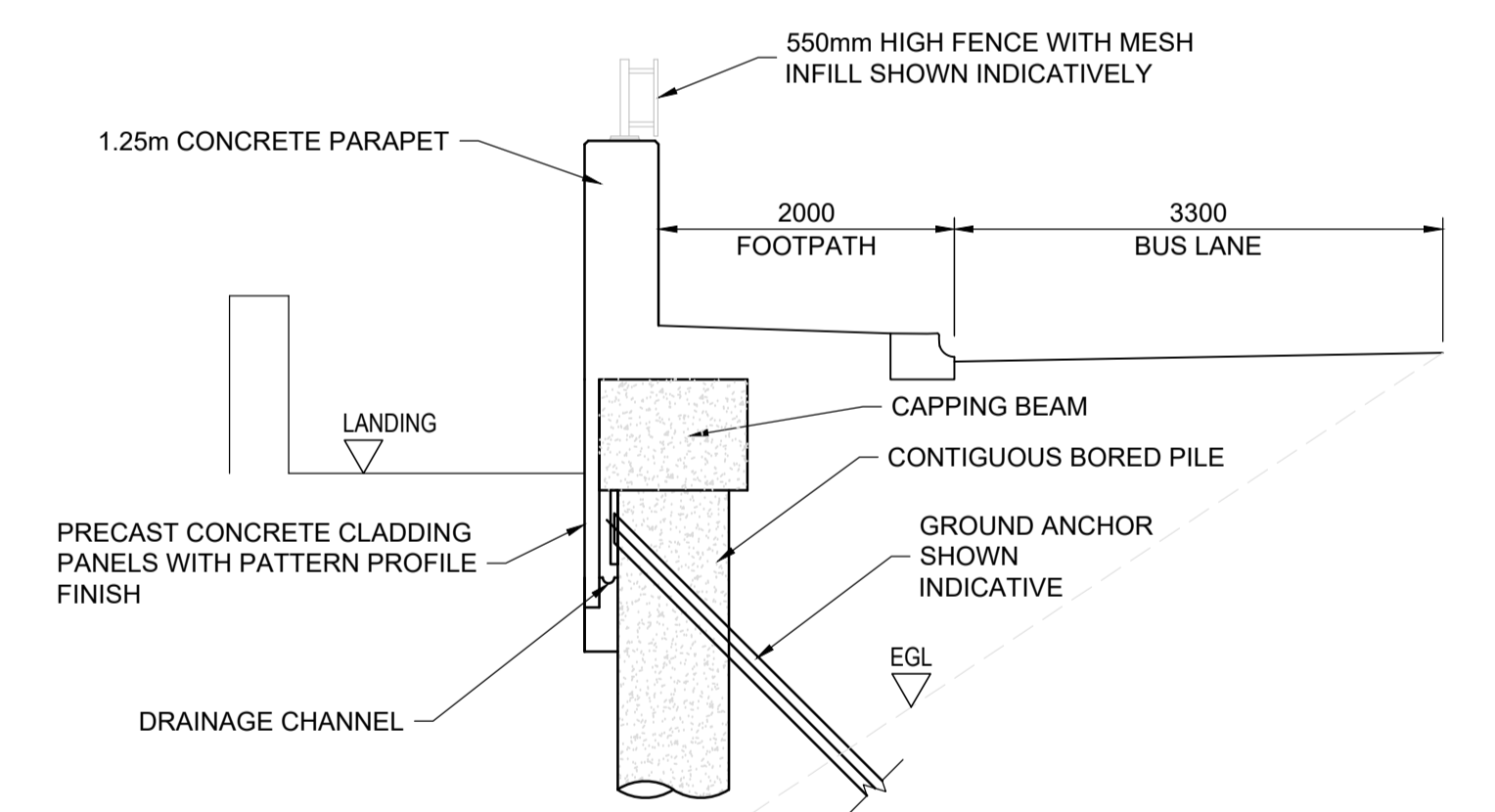
PLAN
1:100 @ A1
1:200 @ A3



SECTION 1-1
1:100 @ A1
1:200 @ A3



PROPOSED ELEVATION A-A
1:100 @ A1
1:200 @ A3



SECTION 2-2
1:50 @ A1
1:100 @ A3

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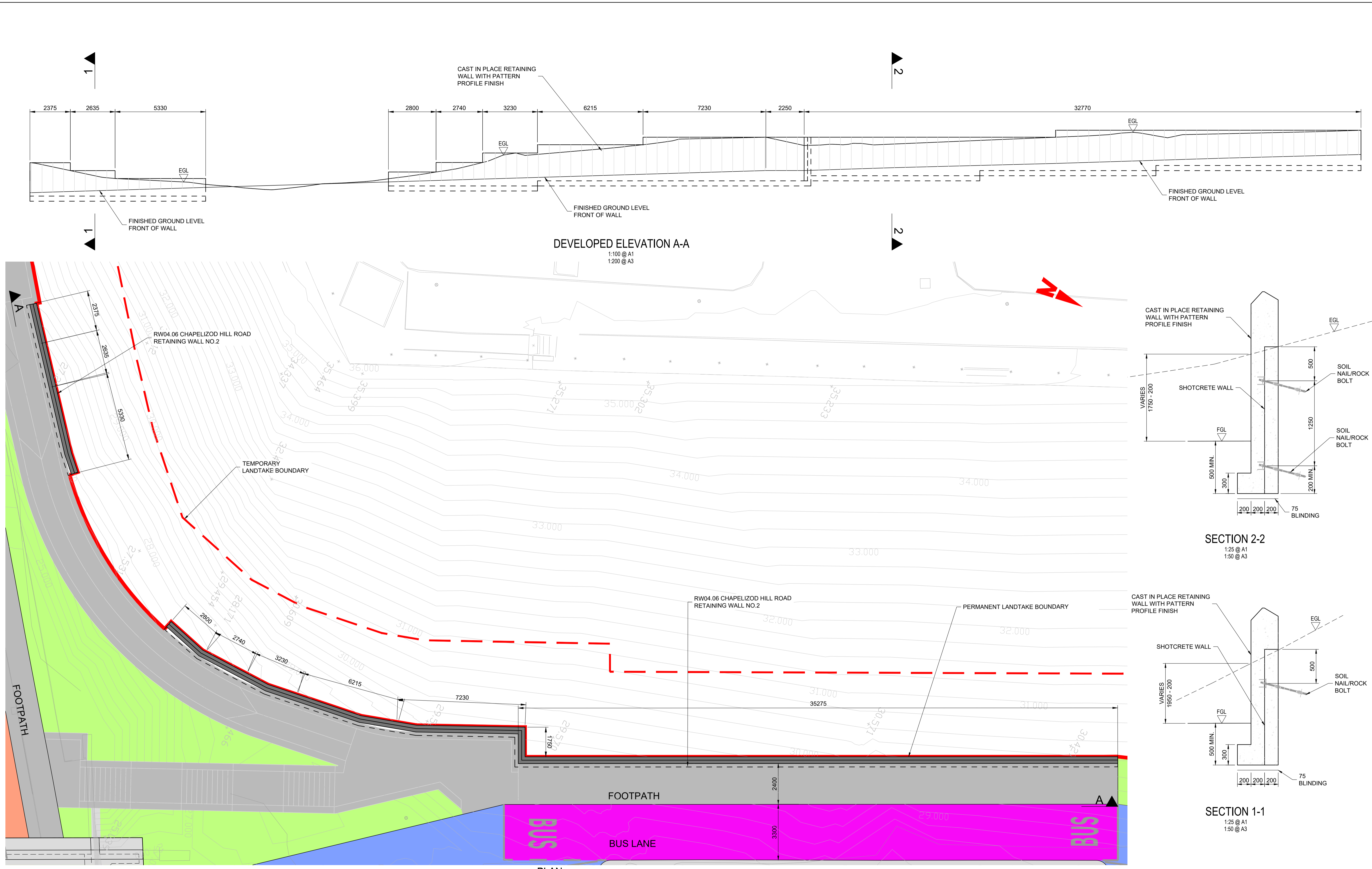
Rev	Date	Drn	Chk'd	App'd	Description
M01	29/09/22	AC	AD	CA	ISSUE FOR PHASE 4: PLANNING

NTA
Udarás Náisiúnta Iompair
National Transport Authority

AECOM **MOTT MACDONALD**

Client				Engineering Designer			Programme Title		
Date	Scale	Drawn	Checked	Approved	BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
29/09/22	AS SHOWN @ A1 AS SHOWN @ A3	A.COSTELLO	A.T.DALE	C.ACTON	Drawing Title				
Project Code	Originator Code	QMS Code	LUCAN TO CITY CENTRE CORE BUS CORRIDOR SCHEME RW03.06 CHAPELIZOD HILL ROAD RETAINING WALL NO.1 GENERAL ARRANGEMENT						
BCIDA	ACM		Drawing File Name	Sheet Number	Status	Rev			
			BCIDA-ACM-STR_GA-0006_RW_06-DR-CB-0101	1 of 1	A	M01			

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Client
NTA
Udarás Náisiúnta Iompair
National Transport Authority

Engineering Designer
AECOM
MOTT MACDONALD

Drawn A.COSTELLO
Checked A.T.DALE
Approved C.ACTON

Date: 29/09/22
Scale: AS SHOWN @ A1, AS SHOWN @ A3
Project Code: BCIDA
Originator Code: ACM

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title LUCAN TO CITY CENTRE CORE BUS CORRIDOR SCHEME RW04.06 CHAPELIZOD HILL ROAD RETAINING WALL NO.2 GENERAL ARRANGEMENT			
Drawing File Name BCIDA-ACM-STR_GA-0006_RW_06-DR-CB-0111	Sheet Number 1 of 1	Status A	Rev M01

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PERMANENT LANDTAKE

TEMPORARY LANDTAKE

GY01.06 PROPOSED GROUP 5 CANTILEVER GANTRY

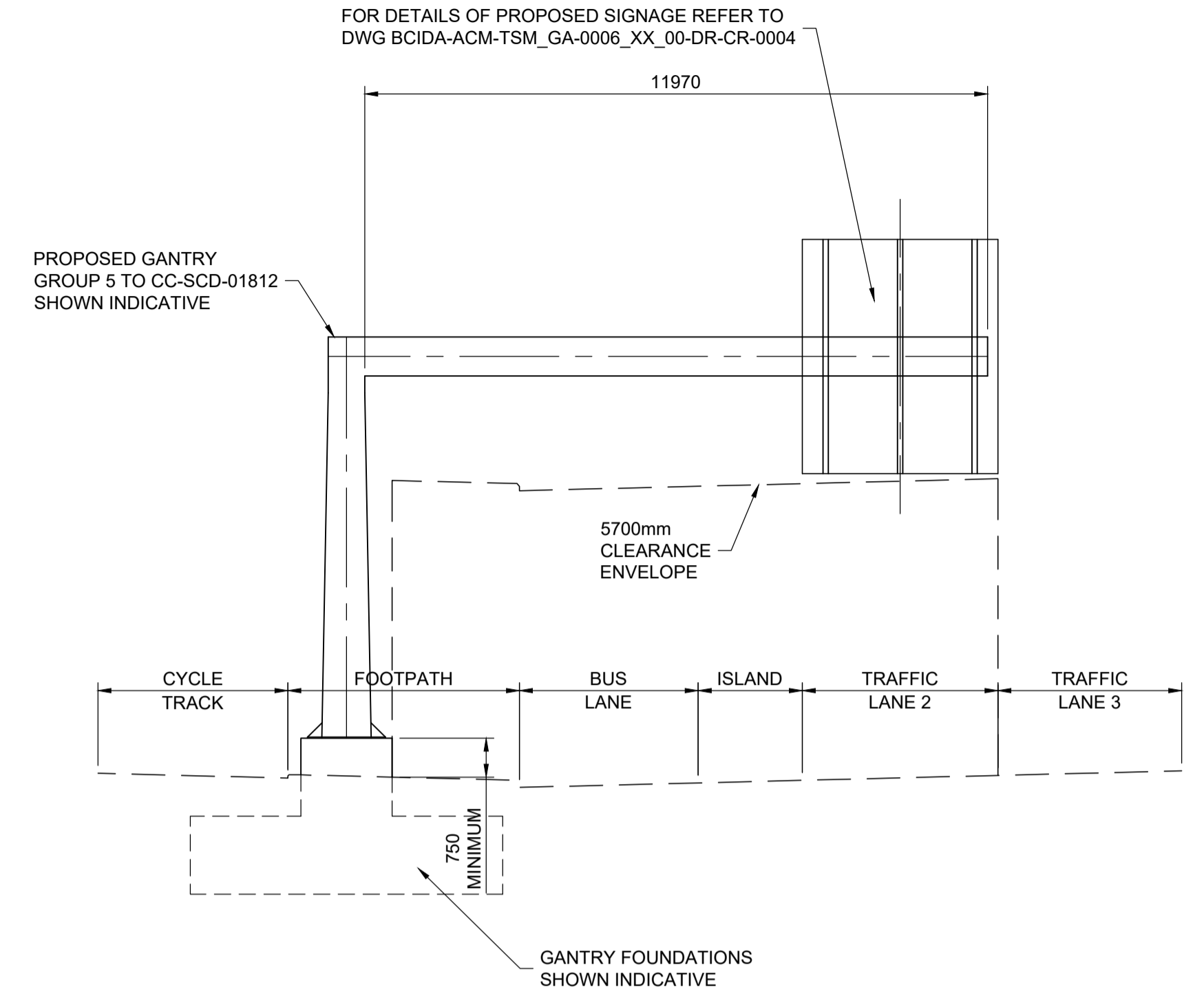
RW05.06 HERMITAGE MEDICAL CLINIC RETAINING WALL. FOR DETAILS REFER TO DRAWING BCIDA-ACM-STR_GA-0006_RW_04 -DR-CB-0101

LOCATION PLAN

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1:400 @ A3

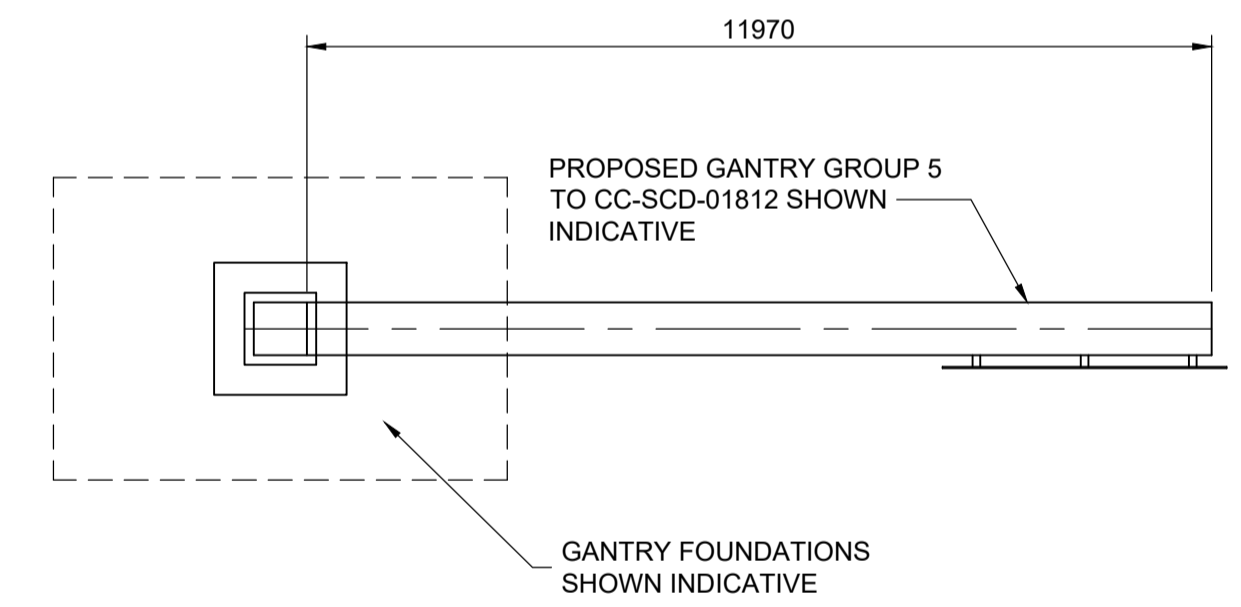
LOCATION PLAN

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1:10000 @ A3



ELEVATION A-A

1:100 @ A1
1:200 @ A3



PLAN ON GANTRY

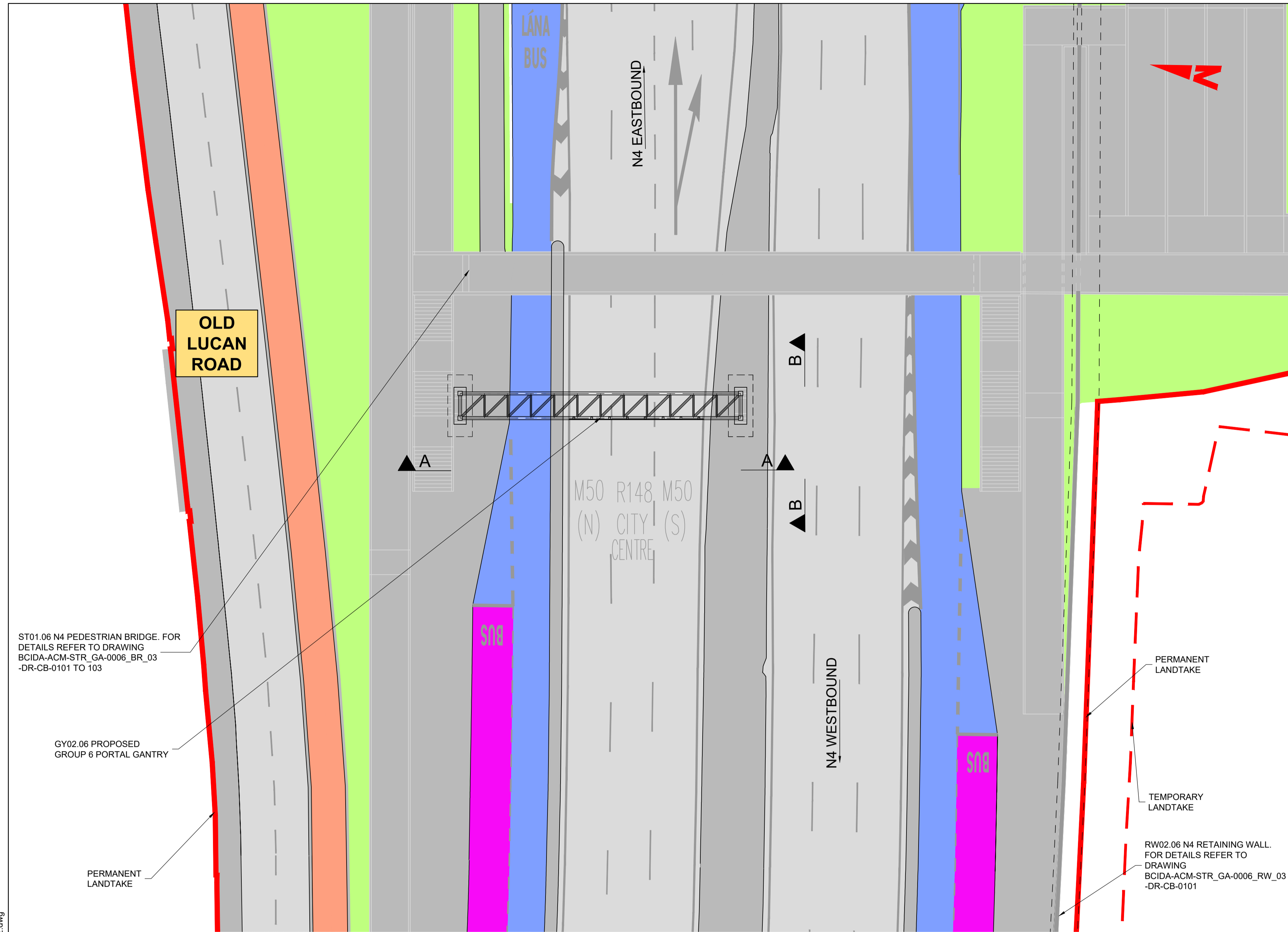
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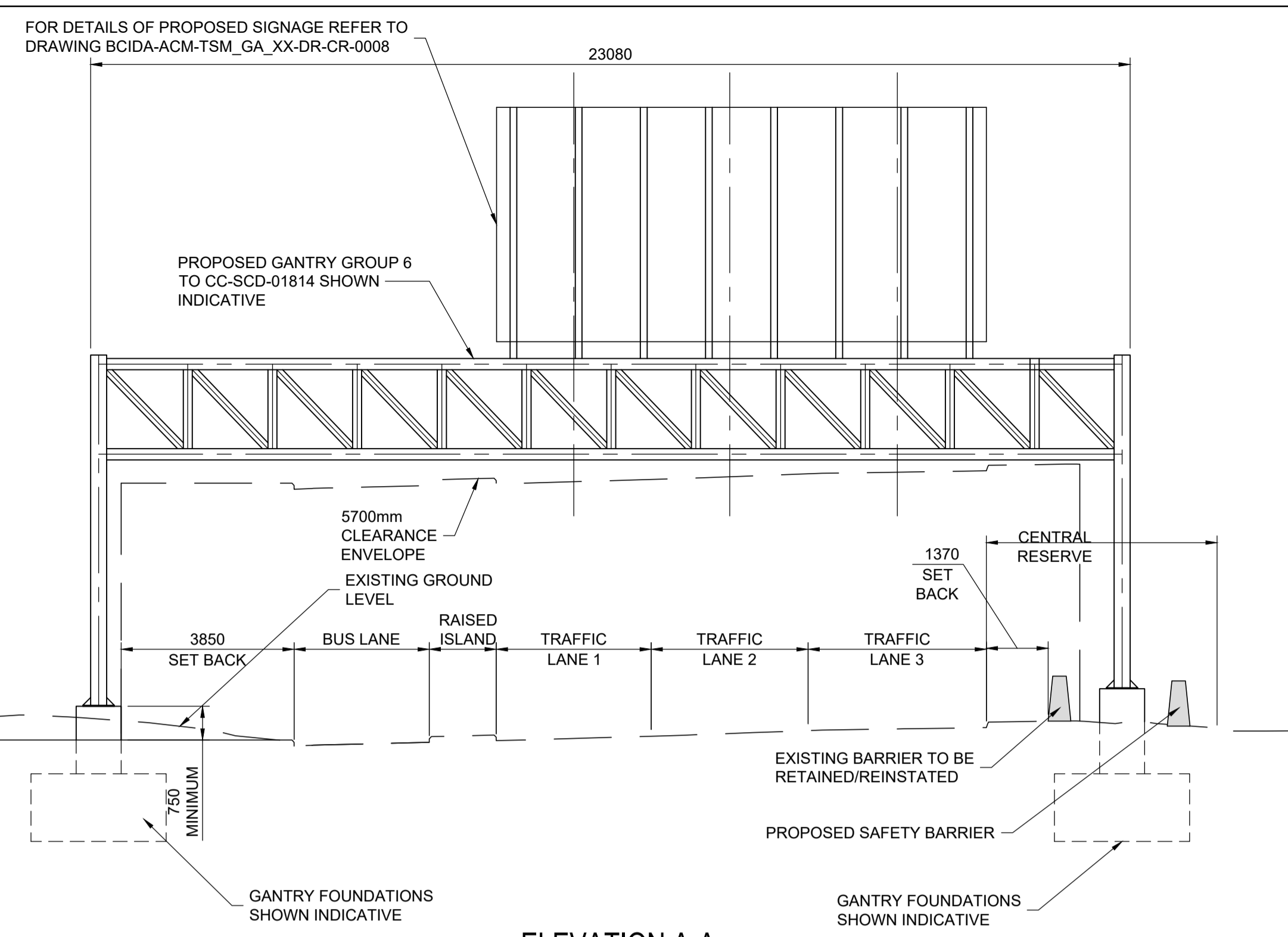
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Rev	Date	Drn	Chk'd	App'd	Description												
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<p>Date</p> <p>29/09/22</p> <p>Scale</p> <p>AS SHOWN @ A1 1:1000 @ A3</p> <p>Project Code</p> <p>BCIDA</p>	<p>Drawn</p> <p>A.COSTELLO</p> <p>Checked</p> <p>A.T.DALE</p> <p>Approved</p> <p>C.ACTON</p> <p>Originator Code</p> <p>ACM</p> <p>QMS Code</p>	<p>Drawing File Name</p> <p>BCIDA-ACM-STR_GA-0006_GY_01-DR-CB-0001</p> <p>Sheet Number</p> <p>01 of 01</p> <p>Status</p> <p>A</p> <p>Rev</p> <p>M01</p>															

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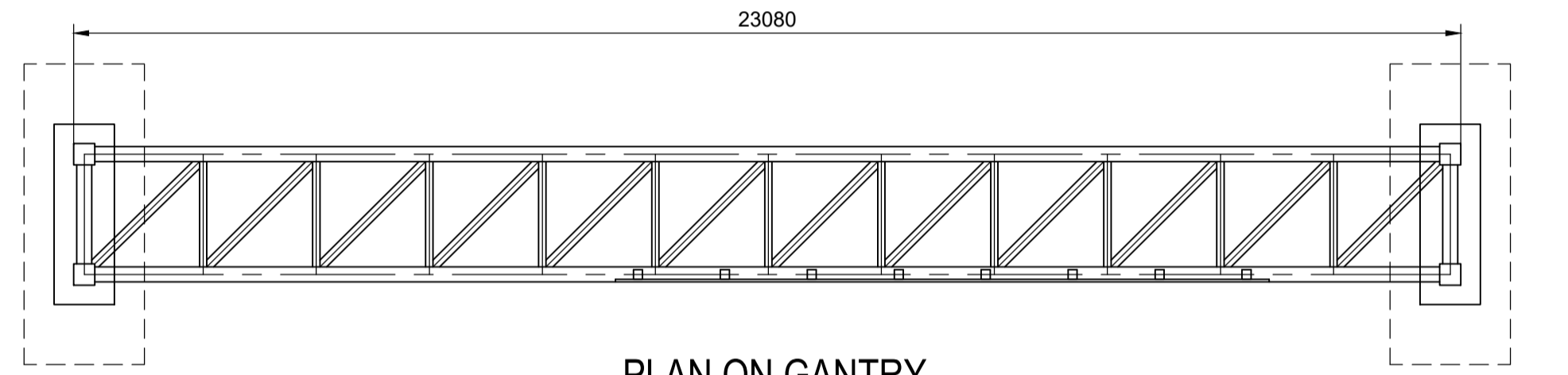
OLD LUCAN ROAD



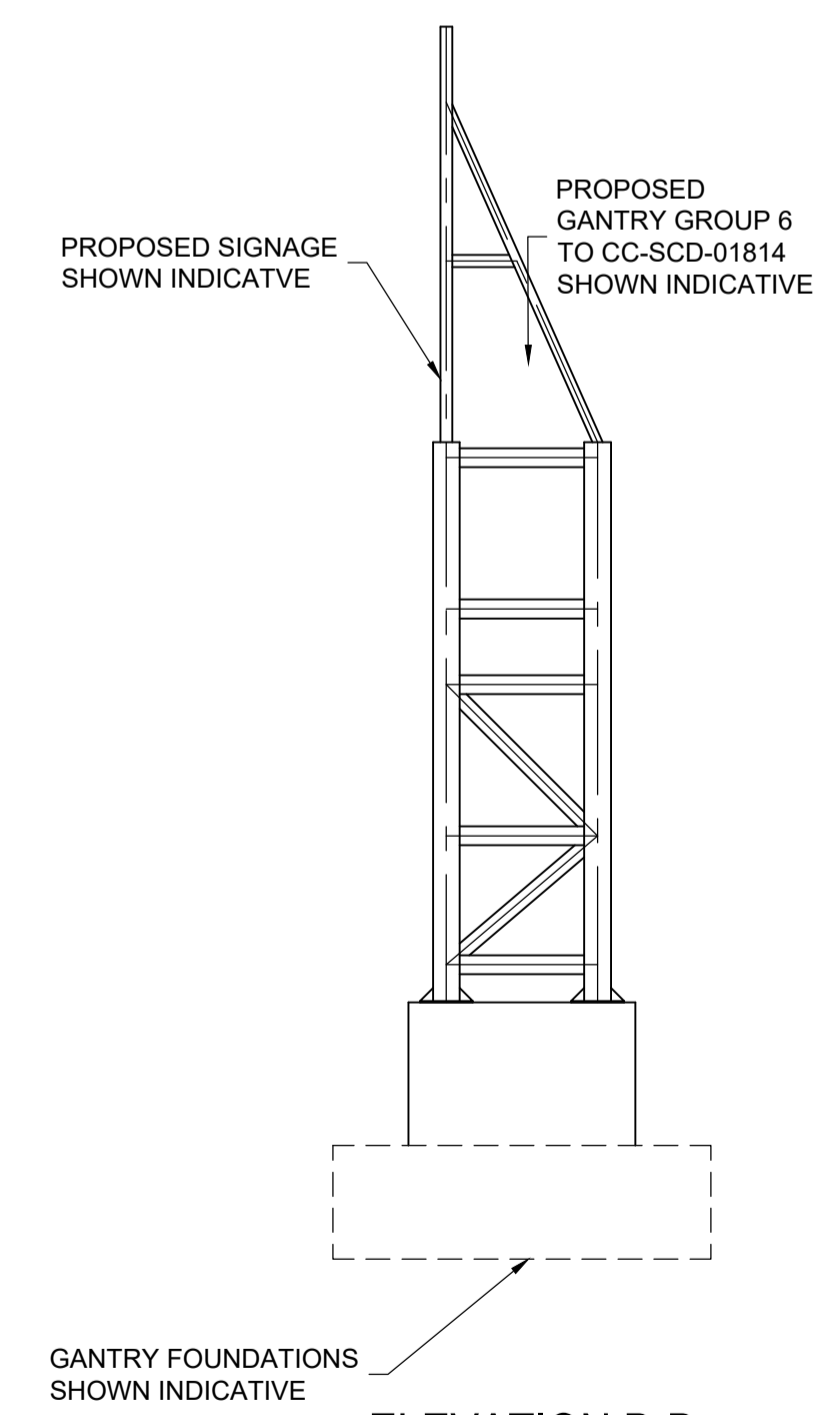
LOCATION PLAN
1:200 @ A1
1:400 @ A3



ELEVATION A-A
1:100 @ A1
1:200 @ A3

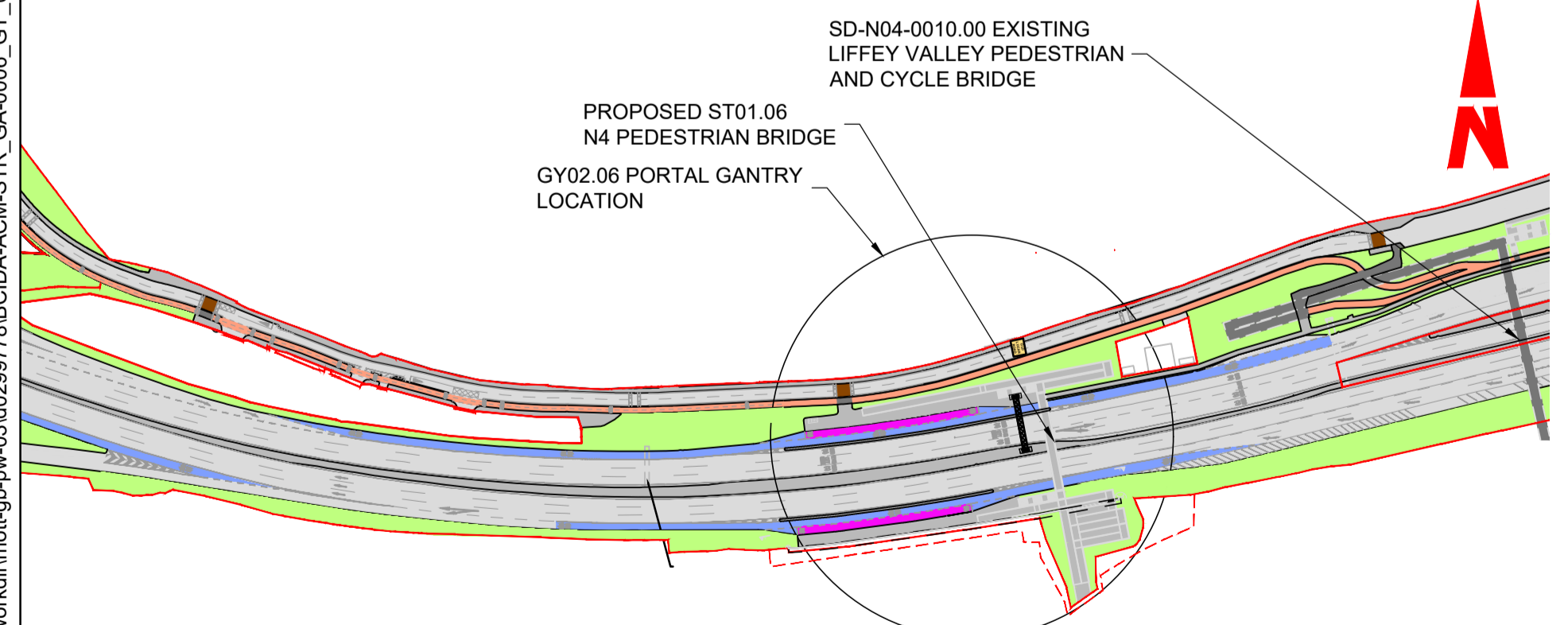


PLAN ON GANTRY
1:100 @ A1
1:200 @ A3



ELEVATION B-B
1:100 @ A1
1:200 @ A3

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LOCATION PLAN
1:5000 @ A1
1:10000 @ A3

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Project Code	Originator Code	QMS Code			
BCIDA	ACM				

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title LUCAN TO CITY CENTRE CORE BUS CORRIDOR SCHEME GY02.06 PORTAL GANTRY GENERAL ARRANGEMENT			
Drawing File Name	Sheet Number	Status	Rev
BCIDA-ACM-STR_GA-0006_GY_01-DR-CB-0002	01 of 01	A	M01

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