

# Bridges and Major Retaining Structures





# BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS

## TALLAGHT/CLONDALKIN TO CITY CENTRE CORE BUS CORRIDOR SCHEME

### BRIDGES & RETAINING STRUCTURES

DRAWING SERIES NUMBER(S)	DRAWING SERIES DESCRIPTION
BCIDA-ACM-STR_IX-0809_XX_00-DR-CB-0001	TALLAGHT/CLONDALKIN TO CITY CENTRE. BRIDGES & RETAINING STRUCTURES. COVER SHEET
BCIDA-ACM-STR_KP-0809_XX_00-DR-CB-0001	TALLAGHT/CLONDALKIN TO CITY CENTRE. BRIDGES & RETAINING STRUCTURES. KEY PLAN
BCIDA-ACM-STR_GA-0809_BR_00-DR-CB-0201	TALLAGHT/CLONDALKIN TO CITY CENTRE. ST01 GREENHILLS ROAD PEDESTRIAN AND CYCLE BRIDGES. PLAN
BCIDA-ACM-STR_GA-0809_BR_00-DR-CB-0202	TALLAGHT/CLONDALKIN TO CITY CENTRE. ST01 GREENHILLS ROAD PEDESTRIAN AND CYCLE BRIDGES. DETAILS
BCIDA-ACM-STR_GA-0809_BR_00-DR-CB-0101	TALLAGHT/CLONDALKIN TO CITY CENTRE. ST02 NAAS ROAD PEDESTRIAN AND CYCLE BRIDGE. PLAN
BCIDA-ACM-STR_GA-0809_BR_00-DR-CB-0102	TALLAGHT/CLONDALKIN TO CITY CENTRE. ST02 NAAS ROAD PEDESTRIAN AND CYCLE BRIDGE. DETAILS
BCIDA-ACM-STR_GA-0809_RW_00-DR-CB-0121	TALLAGHT/CLONDALKIN TO CITY CENTRE. RW01 CALMOUNT ROAD RETAINING WALL NO.1. GENERAL ARRANGEMNT
BCIDA-ACM-STR_GA-0809_RW_00-DR-CB-0131	TALLAGHT/CLONDALKIN TO CITY CENTRE. RW02 CALMOUNT ROAD RETAINING WALL NO.2. GENERAL ARRANGEMENT
BCIDA-ACM-STR_GA-0809_RW_00-DR-CB-0141	TALLAGHT/CLONDALKIN TO CITY CENTRE. RW03 LONG MILE ROAD RETAINING WALL. GENERAL ARRANGEMENT
BCIDA-ACM-STR_GA-0809_RW_00-DR-CB-0101	TALLAGHT/CLONDALKIN TO CITY CENTRE. RW04 NAAS ROAD RETAINING WALL NO.1. PLAN
BCIDA-ACM-STR_GA-0809_RW_00-DR-CB-0102	TALLAGHT/CLONDALKIN TO CITY CENTRE. RW04 NAAS ROAD RETAINING WALL NO.1. DETAILS
BCIDA-ACM-STR_GA-0809_RW_00-DR-CB-0111	TALLAGHT/CLONDALKIN TO CITY CENTRE. RW05 NAAS ROAD RETAINING WALL NO.2. GENERAL ARRANGEMENT

C:\users\costello\appdata\local\projectwise\workdir\mott-gb-pw-03\03026559\BCIDA-ACM-STR\_IX-0809\_XX\_00-DR-CB-0001.dwg

**Disclaimer**  
 a. © National Transport Authority (NTA) 2023. This drawing is confidential and the copyright in it is owned by NTA. This drawing must not be either loaned, copied or otherwise reproduced in whole or in part or used for any purpose without the prior permission of NTA.  
 b. This drawing is to be used for the design element identified in the titlebox. Other information shown is to be considered indicative only. The drawing is to be read in conjunction with all other relevant design drawings.  
 c. O.S. data used for plans are printed under © Ordnance Survey Ireland Government of Ireland. All rights reserved. Licence Number 2023/O.S.\_NMA\_180 National Transport Authority. All elevations are in metres and relate to OSI Geoid Model (OSGM15) Mean Head. All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSI active local GPS station.  
 d. Information concerning the position of apparatus shown on this drawing is based on drawings supplied by the utility owners and/or the utility works contractor, whilst every care has been taken in the preparation of this drawing, positions should be taken as approximate and are intended for general guidance only and no representation is made by the NTA as to the accuracy, completeness, sufficiency or otherwise of this drawing and the position of the apparatus. The information contained herein does not purport to be comprehensive or final as the apparatus is subject to being altered and/or superceded. Recipients should not rely on this information. Any liabilities are hereby expressly disclaimed.  
 e. The information contained herein has been provided by the NTA but does not purport to be comprehensive or final. Recipients should not rely on the information. Neither the NTA nor any of its directors, officers, employees, agents, stakeholders or advisers make any representation or warranty as to, or accept any liability or responsibility in relation to, the adequacy, accuracy, reasonableness or completeness of the information provided as part of this document or any matter on which the information is based (including but not limited to loss or damage arising as a result of reliance by recipients on the information or any part of it). Any liabilities are hereby expressly disclaimed.

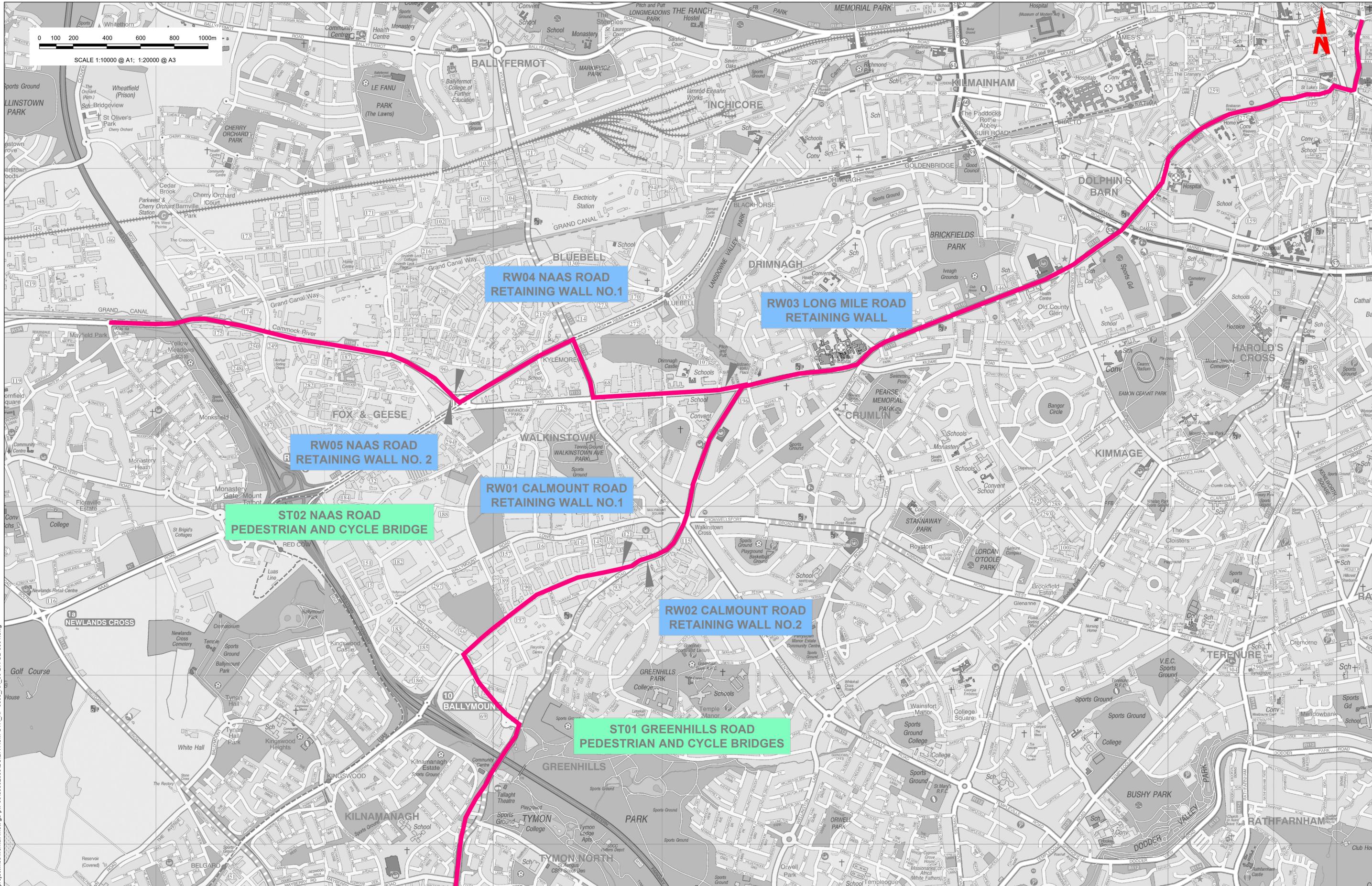


Rev	Date	Drm	Chk'd	App'd	Description
M01	23/03/23	RM	AD	CA	ISSUE FOR PHASE 4: PLANNING

Client <b>NTA</b> Údarás Náisiúnta Iompair National Transport Authority		Engineering Designer <b>AECOM MOTT MACDONALD</b>	
Date 23/03/23	Scale N/A	@ A1 @ A3	Drawn R.MURPHY
Project Code BCIDA	Originator Code ACM	Checked A.DUGGAN	Approved C.ACTON
QMS Code			

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title TALLAGHT/CLONDALKIN TO CITY CENTRE SCHEME BRIDGES & RETAINING STRUCTURES COVER SHEET			
Drawing File Name BCIDA-ACM-STR_IX-0809_XX_00-DR-CB-0001	Sheet Number 01 of 01	Status A	Rev M01

DO NOT SCALE USE FIGURED DIMENSIONS ONLY



0 100 200 400 600 800 1000m  
 SCALE 1:10000 @ A1; 1:20000 @ A3



C:\users\costello\appdata\local\project\work\m01-gb-pw-03\0302659\BCIDA-ACM-STR\_KP-0809\_XX\_00-DR-CB-001.dwg

**Disclaimer**  
 a. © National Transport Authority (NTA) 2023. This drawing is confidential and the copyright in it is owned by NTA. This drawing must not be either loaned, copied or otherwise reproduced in whole or in part or used for any purpose without the prior permission of NTA.  
 b. This drawing is to be used for the design element identified in the titlebox. Other information shown is to be considered indicative only. The drawing is to be read in conjunction with all other relevant design drawings.  
 c. O.S. data used for plans are printed under © Ordnance Survey Ireland Government of Ireland. All rights reserved. Licence Number 2023/OSI\_NMA\_180 National Transport Authority. All elevations are in metres and relate to OSI Geoid Model (OSGM15) Mean Head. All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSI active local GPS station.  
 d. Information concerning the position of apparatus shown on this drawing is based on drawings supplied by the utility owners and/or the utility works contractor, whilst every care has been taken in the preparation of this drawing, positions should be taken as approximate and are intended for general guidance only and no representation is made by the NTA as to the accuracy, completeness, sufficiency or otherwise of the information provided as part of this document or any matter on which the apparatus is subject to being altered and/or superseded. Recipients should not rely on this information. Any liabilities are hereby expressly disclaimed.

The information contained herein has been provided by the NTA but does not purport to be comprehensive or final. Recipients should not rely on the information. Neither the NTA nor any of its directors, officers, employees, agents, stakeholders or advisers make any representation or warranty as to, or accept any liability or responsibility in relation to, the adequacy, accuracy, reasonableness or completeness of the information provided as part of this document or any matter on which the information is based (including but not limited to loss or damage arising as a result of reliance by recipients on the information or any part of it). Any liabilities are hereby expressly disclaimed.



Rev	Date	Drn	Chk'd	App'd	Description
M01	23/03/23	RM	AD	CA	ISSUE FOR PHASE 4: PLANNING

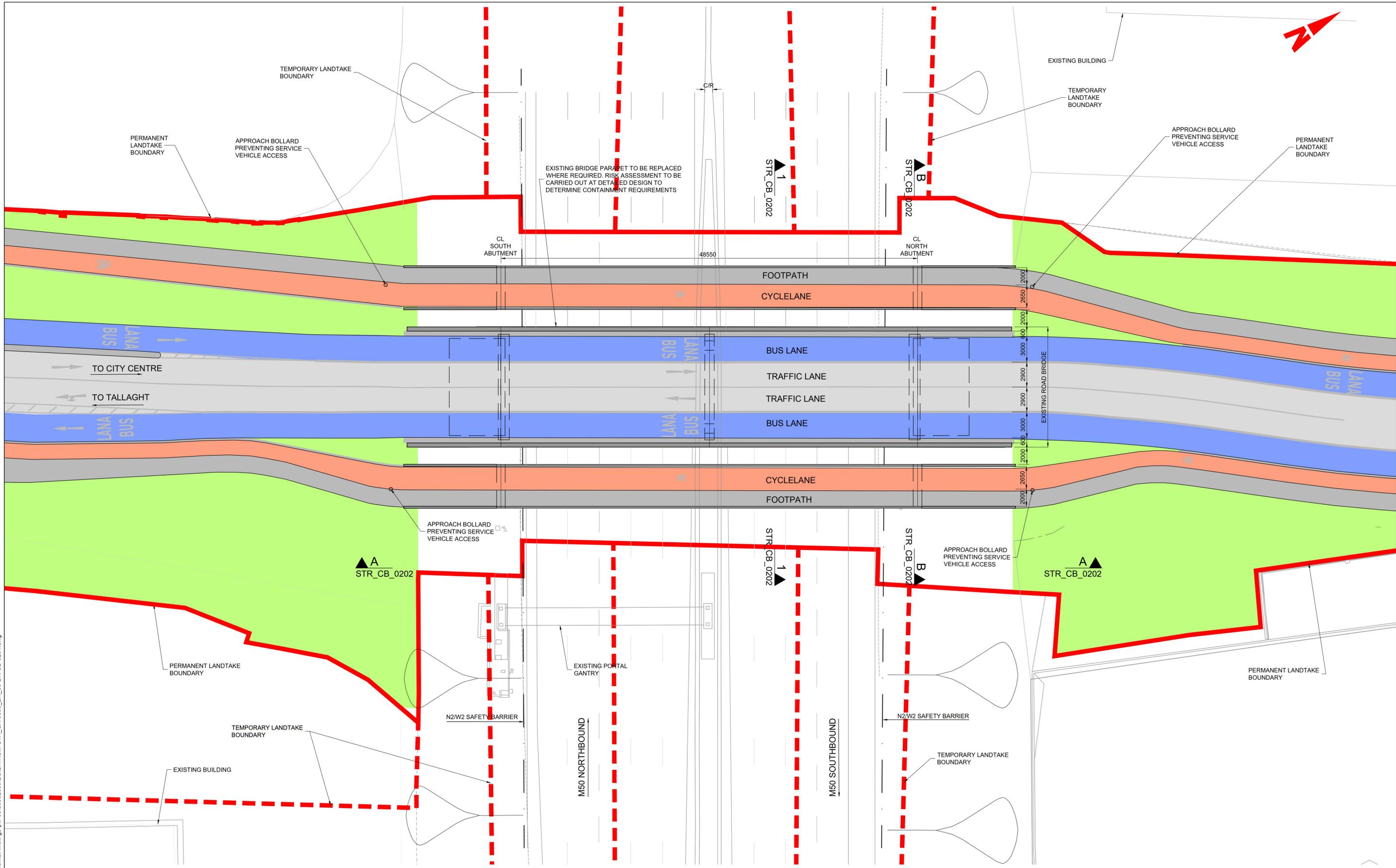
Client: **NTA**  
 Údaráis Náisiúnta Iompair  
 National Transport Authority

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

Date: 23/03/23 Scale: 1:5000 @ A1; 1:10000 @ A3  
 Drawn: R.MURPHY Checked: A.DUGGAN Approved: C.ACTON  
 Project Code: BCIDA Originator Code: ACM QMS Code:

Programme Title	<b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>		
Drawing Title	TALLAGHT/CLONDALKIN TO CITY CENTRE SCHEME BRIDGES & RETAINING STRUCTURES CBC008 STRUCTURES KEY PLAN		
Drawing File Name	BCIDA-ACM-STR_KP-0809_XX_00-DR-CB-0001	Sheet Number	1 of 1
Status	A	Rev	M01

DO NOT SCALE USE FIGURED DIMENSIONS ONLY



PLAN  
1:200 @ A1  
1:400 @ A3

**Disclaimer**  
 a. © National Transport Authority (NTA) 2023. This drawing is confidential and the copyright in it is owned by NTA. This drawing must not be either loaned, copied or otherwise reproduced in whole or in part or used for any purpose without the prior permission of NTA.  
 b. This drawing is to be used for the design element identified in the titlebox. Other information shown is to be considered indicative only. The drawing is to be read in conjunction with all other relevant design drawings.  
 c. O.S. data used for plans are printed under © Ordnance Survey Ireland Government of Ireland. All rights reserved. Licence Number 2023/OSI\_NMA\_180 National Transport Authority. All elevations are in metres and relate to OSI Geoid Model (OSGM15) Mean Head. All Co-ordinates are in Irish

Transverse Mercator Grid (ITM) as defined by OSI active local GPS station.  
 d. Information concerning the position of apparatus shown on this drawing is based on drawings supplied by the utility owners and/or the utility works contractor, whilst every care has been taken in the preparation of this drawing, positions should be taken as approximate and are intended for general guidance only and no representation is made by the NTA as to the accuracy, completeness, sufficiency or otherwise of this drawing and the position of the apparatus. The information contained herein does not purport to be comprehensive or final as the apparatus is subject to being altered and/or superseded. Recipients should not rely on this information. Any liabilities are hereby expressly disclaimed.

e. The information contained herein has been provided by the NTA but does not purport to be comprehensive or final. Recipients should not rely on the information. Neither the NTA nor any of its directors, officers, employees, agents, stakeholders or advisers make any representation or warranty as to, or accept any liability or responsibility in relation to, the adequacy, accuracy, reasonableness or completeness of the information provided as part of this document or any matter on which the information is based (including but not limited to loss or damage arising as a result of reliance by recipients on the information or any part of it). Any liabilities are hereby expressly disclaimed.



Rev	Date	Drm	Chk'd	App'd	Description
M01	23/03/23	RM	AD	CA	ISSUE FOR PHASE 4: PLANNING

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

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

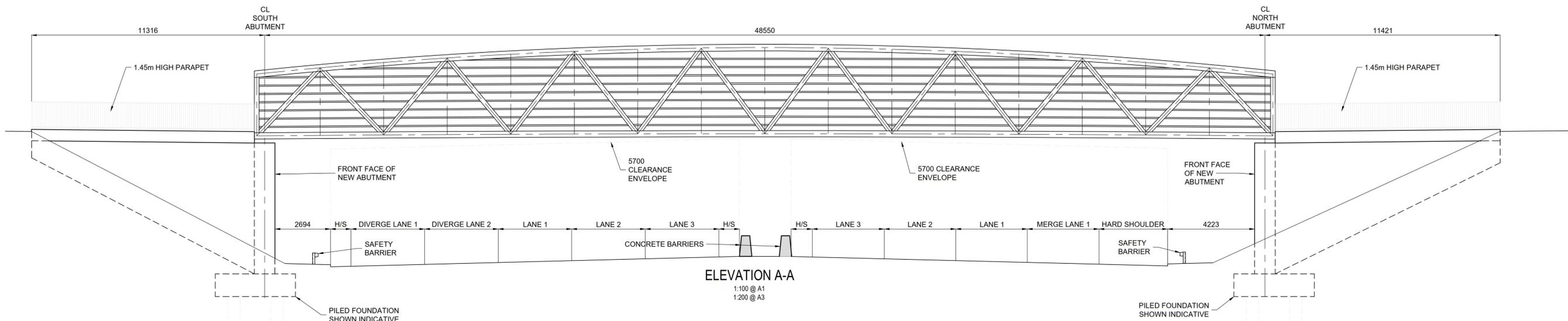
Date: 23/03/23  
Scale: 1:200 @ A1, 1:400 @ A3  
Drawn: R.MURPHY  
Checked: A.DUGGAN  
Approved: C.ACTON

Project Code: BCIDA  
Originator Code: ACM  
QMS Code:

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title TALLAGHT/CLONDALKIN TO CITY CENTRE SCHEME ST01 GREENHILLS ROAD PEDESTRIAN & CYCLE BRIDGES PLAN			
Drawing File Name BCIDA-ACM-STR_GA-0809_BR_00-DR-CB-0201	Sheet Number 1 of 1	Status A	Rev M01

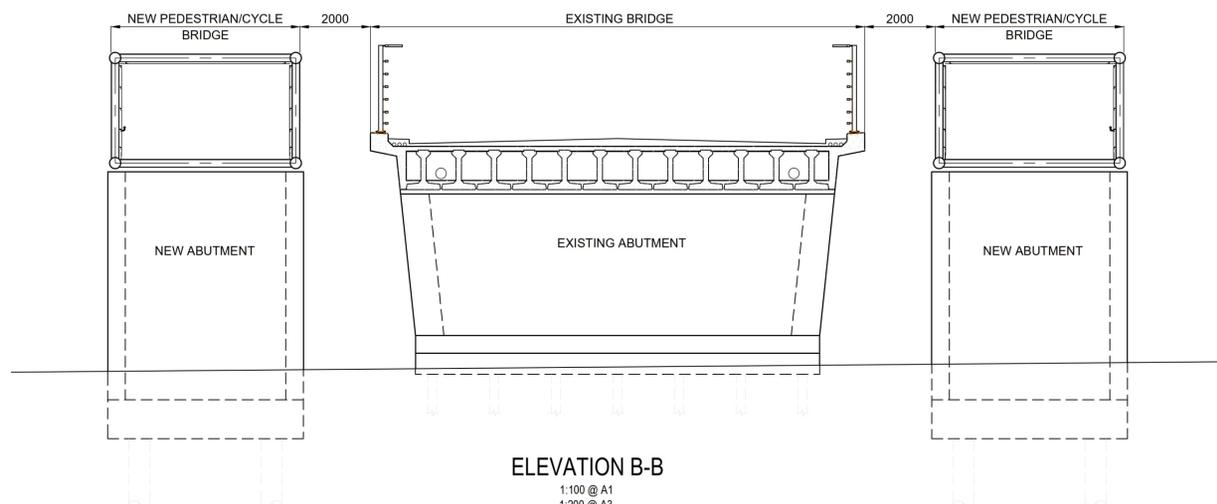
DO NOT SCALE USE FIGURED DIMENSIONS ONLY

C:\users\costello\appdata\local\projectwise\work\dm\mott-gb-pw-03\0302659\BCIDA-ACM-STR\_GA-0809\_BR\_00-DR-CB-0201.dwg



ELEVATION A-A

1:100 @ A1  
1:200 @ A3

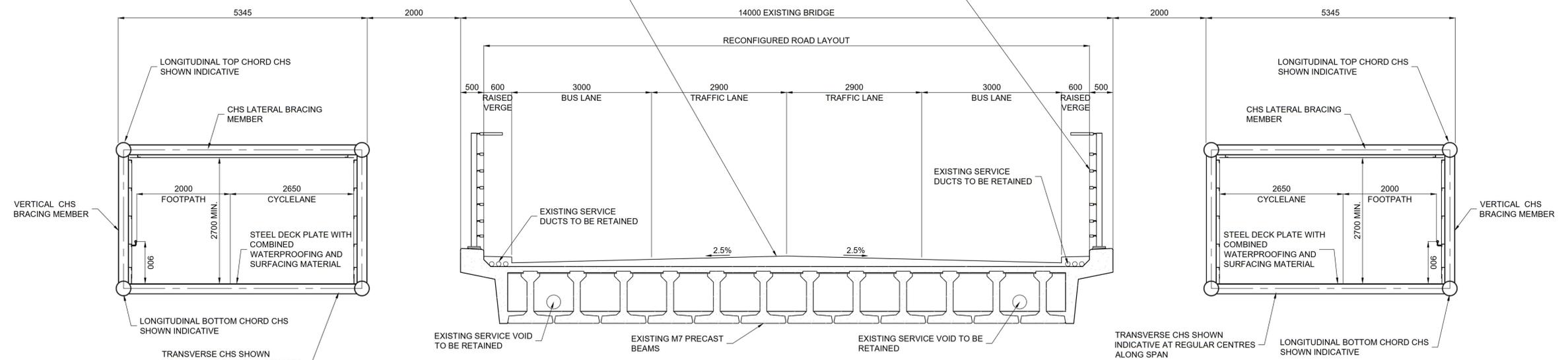


ELEVATION B-B

1:100 @ A1  
1:200 @ A3

EXISTING SURFACING AND WATERPROOFING MEMBRANE TO BE REMOVED AND REPLACED WITH 80 MIN. SURFACING (INCLUDING 20 PROTECTIVE LAYER AND 5 BRIDGE DECK WATERPROOFING)

EXISTING BRIDGE PARAPET ON EACH SIDE TO BE REPLACED WHERE REQUIRED. RISK ASSESSMENT TO BE CARRIED OUT TO DETERMINE CONTAINMENT REQUIREMENTS



SECTION 1-1

1:50 @ A1  
1:100 @ A3

Disclaimer  
a. © National Transport Authority (NTA) 2023. This drawing is confidential and the copyright in it is owned by NTA. This drawing must not be either loaned, copied or otherwise reproduced in whole or in part or used for any purpose without the prior permission of NTA.  
b. This drawing is to be used for the design element identified in the titleblock. Other information shown is to be considered indicative only. The drawing is to be read in conjunction with all other relevant design drawings.  
c. O.S. data used for plans are printed under © Ordnance Survey Ireland Government of Ireland. All rights reserved. Licence Number 2023/OSI\_NMA\_180 National Transport Authority. All elevations are in metres and relate to OSI Geoid Model (OSGM15) Mean Head. All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSI active local GPS station.  
d. Information concerning the position of apparatus shown on this drawing is based on drawings supplied by the utility owners and/or the utility works contractor, whilst every care has been taken in the preparation of this drawing, positions should be taken as approximate and are intended for general guidance only and no representation is made by the NTA as to the accuracy, completeness, sufficiency or otherwise of this drawing and the position of the apparatus. The information contained herein does not purport to be comprehensive or final as the apparatus is subject to being altered and/or superceded. Recipients should not rely on this information. Any liabilities are hereby expressly disclaimed.

The information contained herein has been provided by the NTA but does not purport to be comprehensive or final. Recipients should not rely on the information. Neither the NTA nor any of its directors, officers, employees, agents, stakeholders or advisers make any representation or warranty as to, or accept any liability or responsibility in relation to, the adequacy, accuracy, reasonableness or completeness of the information provided as part of this document or any matter on which the information is based (including but not limited to loss or damage arising as a result of reliance by recipients on the information or any part of it). Any liabilities are hereby expressly disclaimed.

Project Ireland 2040  
Building Ireland's Future

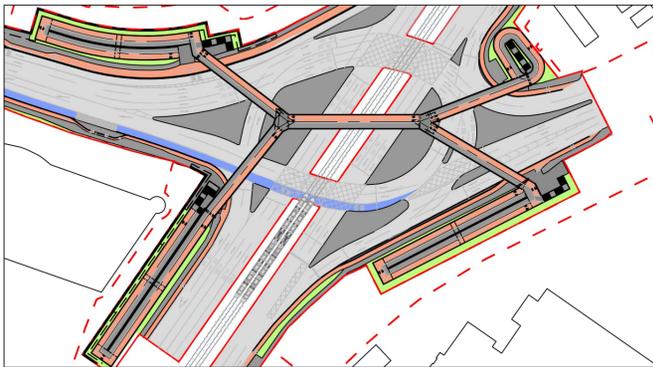
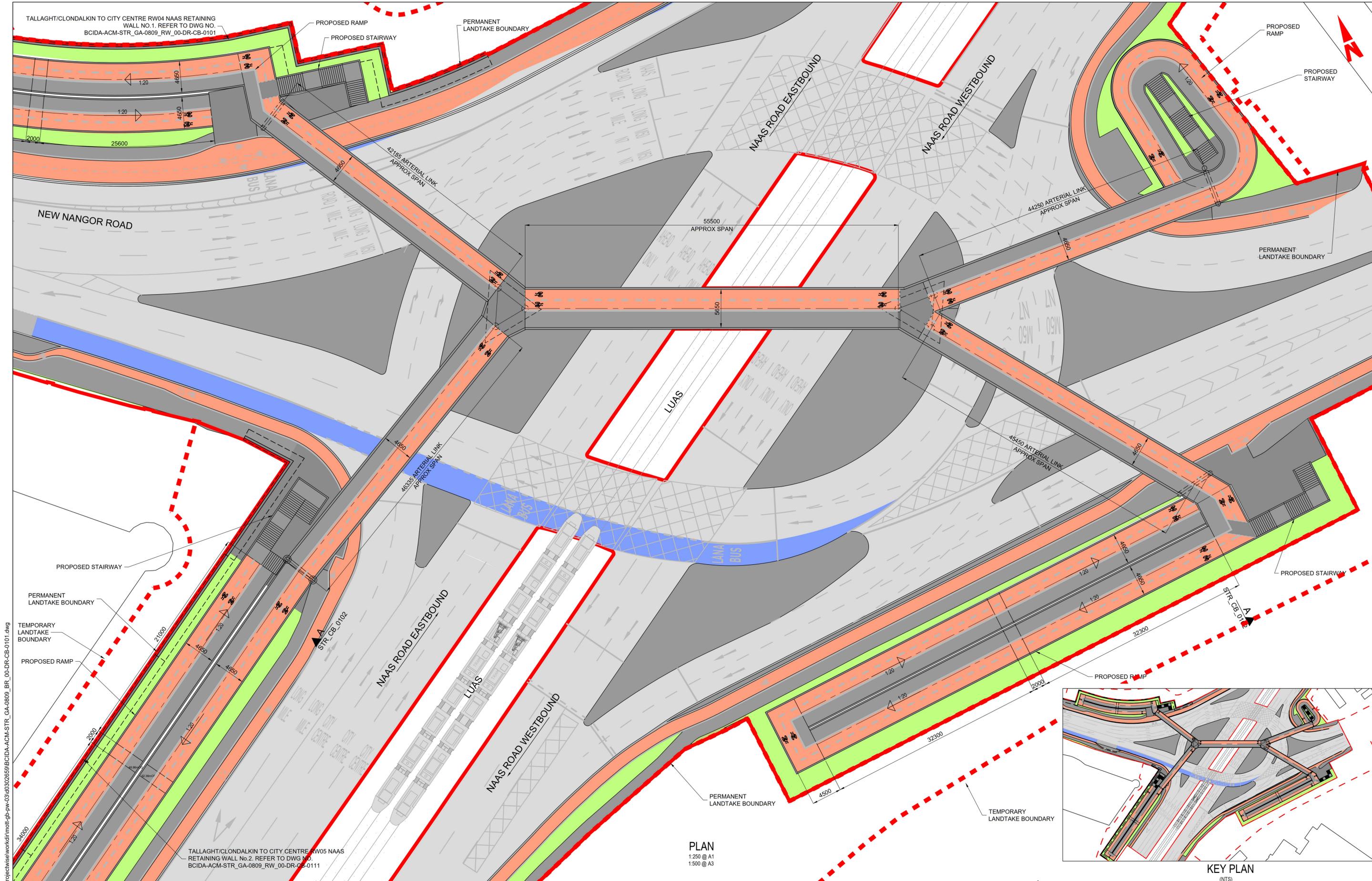
Rev	Date	Drn	Chk'd	App'd	Description
M01	23/03/23	RM	AD	CA	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer  
**AECOM** **M**  
**MOTT MACDONALD**

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title TALLAGHT/CLONDALKIN TO CITY CENTRE SCHEME ST01 GREENHILLS ROAD PEDESTRIAN & CYCLE BRIDGES DETAILS			
Drawing File Name BCIDA-ACM-STR_GA-0809_BR_00-DR-CB-0202	Sheet Number 1 of 1	Status A	Rev M01

DO NOT SCALE USE FIGURED DIMENSIONS ONLY



PLAN  
1:250 @ A1  
1:500 @ A3

KEY PLAN  
(NTS)

C:\users\costello\appdata\local\project\work\mott-gb-pw-03\0302659\BCIDA-ACM-STR\_GA-0809\_BR\_00-DR-CB-0101.dwg

Disclaimer  
a. © National Transport Authority (NTA) 2023. This drawing is confidential and the copyright in it is owned by NTA. This drawing must not be either loaned, copied or otherwise reproduced in whole or in part or used for any purpose without the prior permission of NTA.  
b. This drawing is to be used for the design element identified in the titleblock. Other information shown is to be considered indicative only. The drawing is to be read in conjunction with all other relevant design drawings.  
c. O.S. data used for plans are printed under © Ordnance Survey Ireland Government of Ireland. All rights reserved. Licence Number 2023/OSI\_NMA\_180 National Transport Authority. All elevations are in metres and relate to OSI Geoid Model (OSGM15) Mean Head. All Co-ordinates are in Irish

Transverse Mercator Grid (ITM) as defined by OSI active local GPS station.  
d. Information concerning the position of apparatus shown on this drawing is based on drawings supplied by the utility owners and/or the utility works contractor, whilst every care has been taken in the preparation of this drawing, positions should be taken as approximate and are intended for general guidance only and no representation is made by the NTA as to the accuracy, completeness, sufficiency or otherwise of this information. The information contained herein does not purport to be comprehensive or final as the apparatus is subject to being altered and/or superceded. Recipients should not rely on this information. Any liabilities are hereby expressly disclaimed.

The information contained herein has been provided by the NTA but does not purport to be comprehensive or final. Recipients should not rely on the information. Neither the NTA nor any of its directors, officers, employees, agents, stakeholders or advisers make any representation or warranty as to, or accept any liability or responsibility in relation to the adequacy, accuracy, reasonableness or completeness of the information provided as part of this document or any matter on which the information is based (including but not limited to loss or damage arising as a result of reliance by recipients on the information or any part of it). Any liabilities are hereby expressly disclaimed.

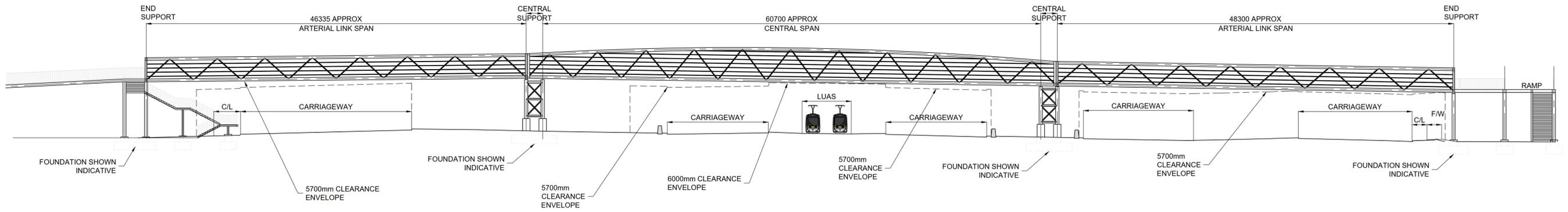


Rev	Date	Dm	Chk'd	App'd	Description
M01	23/03/23	RM	AD	CA	ISSUE FOR PHASE 4: PLANNING

Client <b>NTA</b> Údarás Náisiúnta Iompair National Transport Authority		Engineering Designer <b>AECOM</b> <b>MOTT MACDONALD</b>	
Date 23/03/23	Scale 1:250 @ A1 1:500 @ A3	Drawn R.MURPHY	Checked A.DUGGAN
Approved C.ACTON	Project Code BCIDA	Originator Code ACM	QMS Code

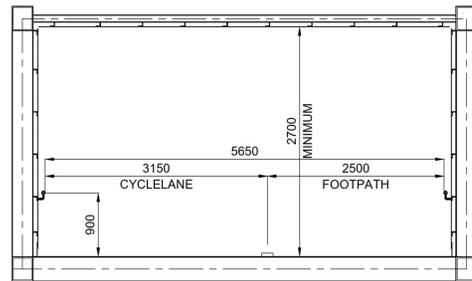
Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title TALLAGHT/CLONDALKIN TO CITY CENTRE SCHEME ST02 NAAS ROAD PEDESTRIAN & CYCLE BRIDGE PLAN			
Drawing File Name BCIDA-ACM-STR_GA-0809_BR_00-DR-CB-0101	Sheet Number 1 of 1	Status A	Rev M01

DO NOT SCALE USE FIGURED DIMENSIONS ONLY



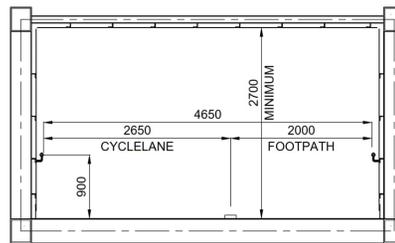
DEVELOPED ELEVATION A-A

1:250 @ A1  
1:500 @ A3



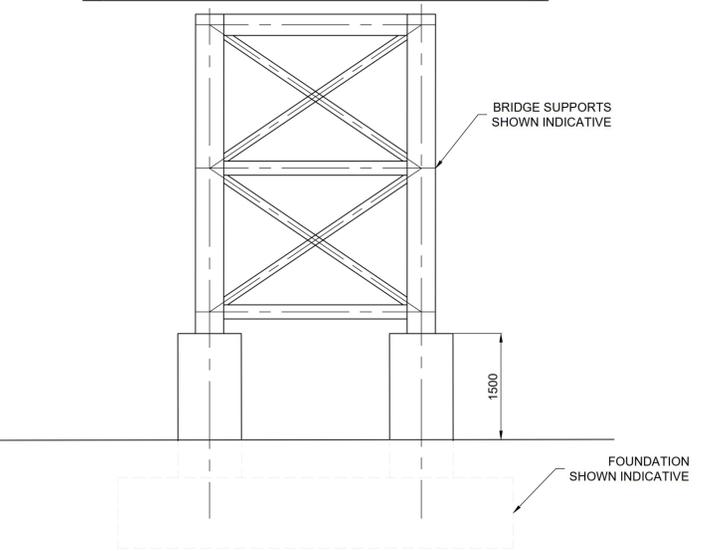
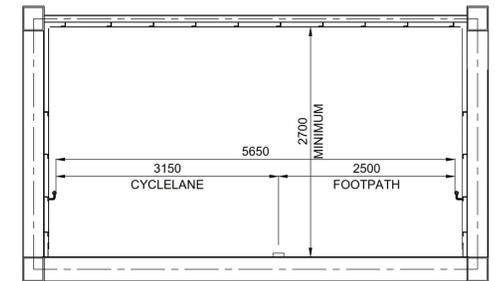
TYPICAL SECTION THROUGH CENTRAL SPAN

1:50 @ A1  
1:100 @ A3



TYPICAL SECTION THROUGH ARTERIAL LINK SPAN

1:50 @ A1  
1:100 @ A3



TYPICAL SECTION THROUGH MAIN FOOTBRIDGE SUPPORT

1:50 @ A1  
1:100 @ A3

**Disclaimer**  
a. © National Transport Authority (NTA) 2023. This drawing is confidential and the copyright in it is owned by NTA. This drawing must not be either loaned, copied or otherwise reproduced in whole or in part or used for any purpose without the prior permission of NTA.  
b. This drawing is to be used for the design element identified in the titleblock. Other information shown is to be considered indicative only. The drawing is to be read in conjunction with all other relevant design drawings.  
c. O.S. data used for plans are printed under © Ordnance Survey Ireland Government of Ireland. All rights reserved. Licence Number 2023/OSI\_NMA\_180 National Transport Authority. All elevations are in metres and relate to OSI Geoid Model (OSGM15) Malin Head. All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSI active local GPS station.  
d. Information concerning the position of apparatus shown on this drawing is based on drawings supplied by the utility owners and/or the utility works contractor, whilst every care has been taken in the preparation of this drawing, positions should be taken as approximate and are intended for general guidance only and no representation is made by the NTA as to the accuracy, completeness, sufficiency or otherwise of this drawing and the position of the apparatus. The information contained herein does not purport to be comprehensive or final as the apparatus is subject to being altered and/or superseded. Recipients should not rely on this information. Any liabilities are hereby expressly disclaimed.  
e. The information contained herein has been provided by the NTA but does not purport to be comprehensive or final. Recipients should not rely on the information. Neither the NTA nor any of its directors, officers, employees, agents, stakeholders or advisers make any representation or warranty as to, or accept any liability or responsibility in relation to, the adequacy, accuracy, reasonableness or completeness of the information provided as part of this document or any matter on which the information is based (including but not limited to loss or damage arising as a result of reliance by recipients on the information or any part of it). Any liabilities are hereby expressly disclaimed.

Transverse Mercator Grid (ITM) as defined by OSI active local GPS station.  
Information concerning the position of apparatus shown on this drawing is based on drawings supplied by the utility owners and/or the utility works contractor, whilst every care has been taken in the preparation of this drawing, positions should be taken as approximate and are intended for general guidance only and no representation is made by the NTA as to the accuracy, completeness, sufficiency or otherwise of this drawing and the position of the apparatus. The information contained herein does not purport to be comprehensive or final as the apparatus is subject to being altered and/or superseded. Recipients should not rely on this information. Any liabilities are hereby expressly disclaimed.

The information contained herein has been provided by the NTA but does not purport to be comprehensive or final. Recipients should not rely on the information. Neither the NTA nor any of its directors, officers, employees, agents, stakeholders or advisers make any representation or warranty as to, or accept any liability or responsibility in relation to, the adequacy, accuracy, reasonableness or completeness of the information provided as part of this document or any matter on which the information is based (including but not limited to loss or damage arising as a result of reliance by recipients on the information or any part of it). Any liabilities are hereby expressly disclaimed.



Rev	Date	Drm	Chk'd	App'd	Description
M01	23/03/23	RM	AD	CA	ISSUE FOR PHASE 4: PLANNING

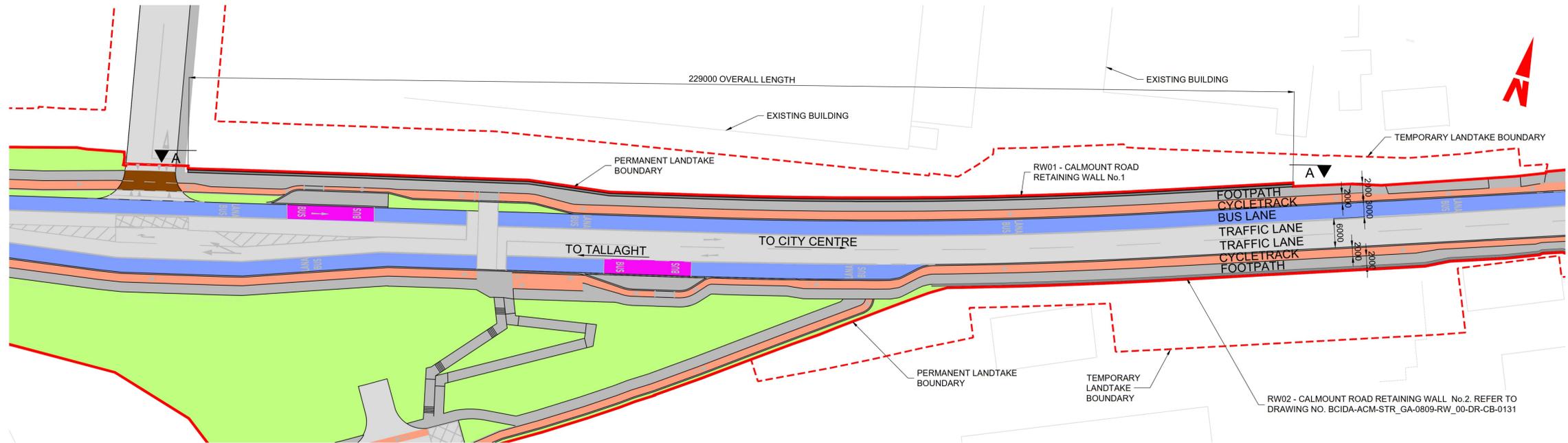
Client <b>NTA</b> Údarás Náisiúnta Iompair National Transport Authority	
Date 23/03/23	Scale AS SHOWN @ A1 AS SHOWN @ A3
Project Code BCIDA	Originator Code ACM

Engineering Designer <b>AECOM</b> <b>MOTT MACDONALD</b>		
Drawn R.MURPHY	Checked A.DUGGAN	Approved C.ACTON
QMS Code		

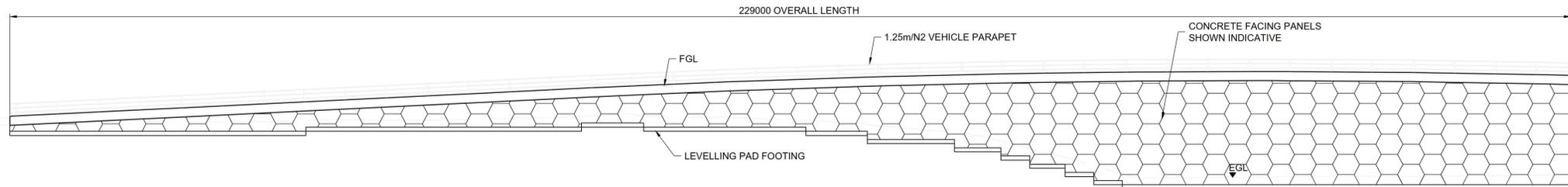
Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title TALLAGHT/CLONDALKIN TO CITY CENTRE SCHEME ST02 NAAS ROAD PEDESTRIAN & CYCLE BRIDGE DETAILS			
Drawing File Name BCIDA-ACM-STR_GA-0809_BR_00-DR-CB-0102	Sheet Number 1 of 1	Status A	Rev M01

DO NOT SCALE USE FIGURED DIMENSIONS ONLY

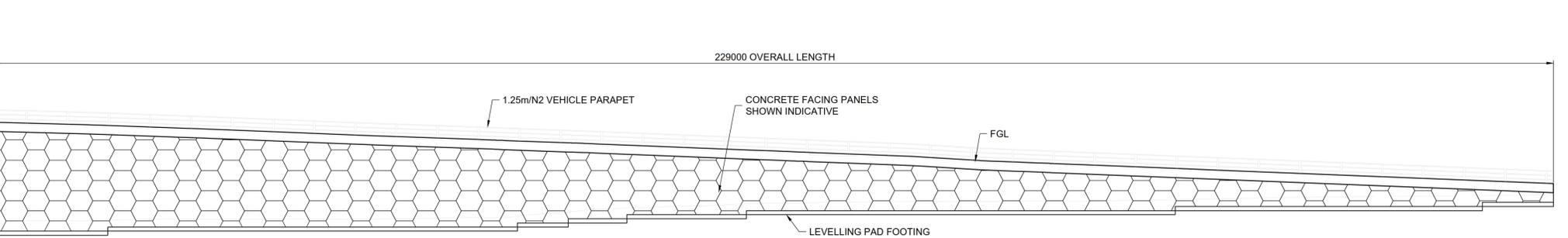
C:\users\costello\appdata\local\projectwise\workdir\mott-gb-pw-03\0302659\BCIDA-ACM-STR\_GA-0809\_BR\_00-DR-CB-0102.dwg



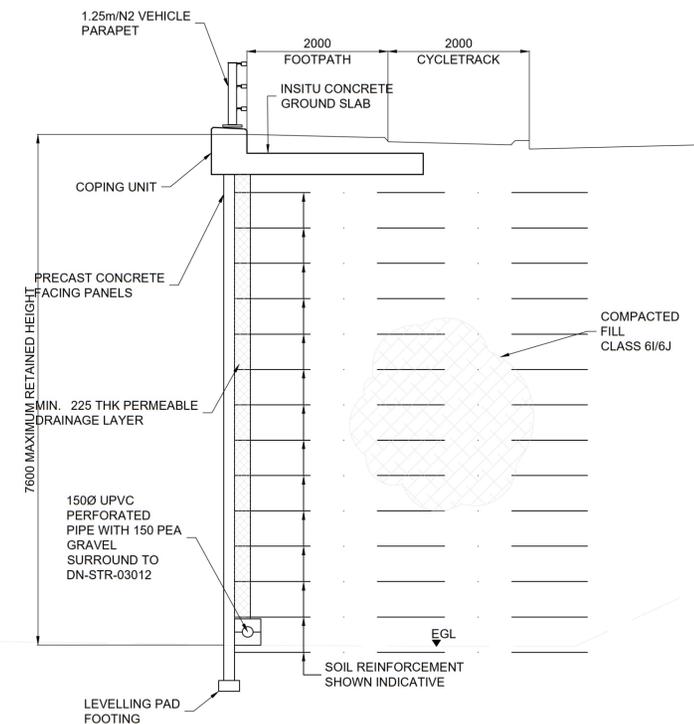
PLAN  
1:500 @ A1  
1:1000 @ A3



PART DEVELOPED ELEVATION A-A  
1:200 @ A1  
1:400 @ A3



PART DEVELOPED ELEVATION A-A  
1:200 @ A1  
1:400 @ A3



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

C:\users\costello\appdata\local\projectwise\work\dm\mot-gb-pw-03\0302659\BCIDA-ACM-STR\_GA-0809\_RW\_00-DR-CB-0121.dwg

**Disclaimer**  
a. © National Transport Authority (NTA) 2023. This drawing is confidential and the copyright in it is owned by NTA. This drawing must not be either loaned, copied or otherwise reproduced in whole or in part or used for any purpose without the prior permission of NTA.  
b. This drawing is to be used for the design element identified in the titlebox. Other information shown is to be considered indicative only. The drawing is to be read in conjunction with all other relevant design drawings.  
c. O.S. data used for plans are printed under © Ordnance Survey Ireland Government of Ireland. All rights reserved. Licence Number 2023/OSI\_NMA\_180 National Transport Authority. All elevations are in metres and relate to OSI Geoid Model (OSGM15) Mean Head. All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSI active local GPS station.  
d. Information concerning the position of apparatus shown on this drawing is based on drawings supplied by the utility owners and/or the utility works contractor, whilst every care has been taken in the preparation of this drawing, positions should be taken as approximate and are intended for general guidance only and no representation is made by the NTA as to the accuracy, completeness, sufficiency or otherwise of this drawing and the position of the apparatus. The information contained herein does not purport to be comprehensive or final as the apparatus is subject to being altered and/or superceded. Recipients should not rely on this information. Any liabilities are hereby expressly disclaimed.  
e. The information contained herein has been provided by the NTA but does not purport to be comprehensive or final. Recipients should not rely on the information. Neither the NTA nor any of its directors, officers, employees, agents, stakeholders or advisers make any representation or warranty as to, or accept any liability or responsibility in relation to, the adequacy, accuracy, reasonableness or completeness of the information provided as part of this document or any matter on which the information is based (including but not limited to loss or damage arising as a result of reliance by recipients on the information or any part of it). Any liabilities are hereby expressly disclaimed.

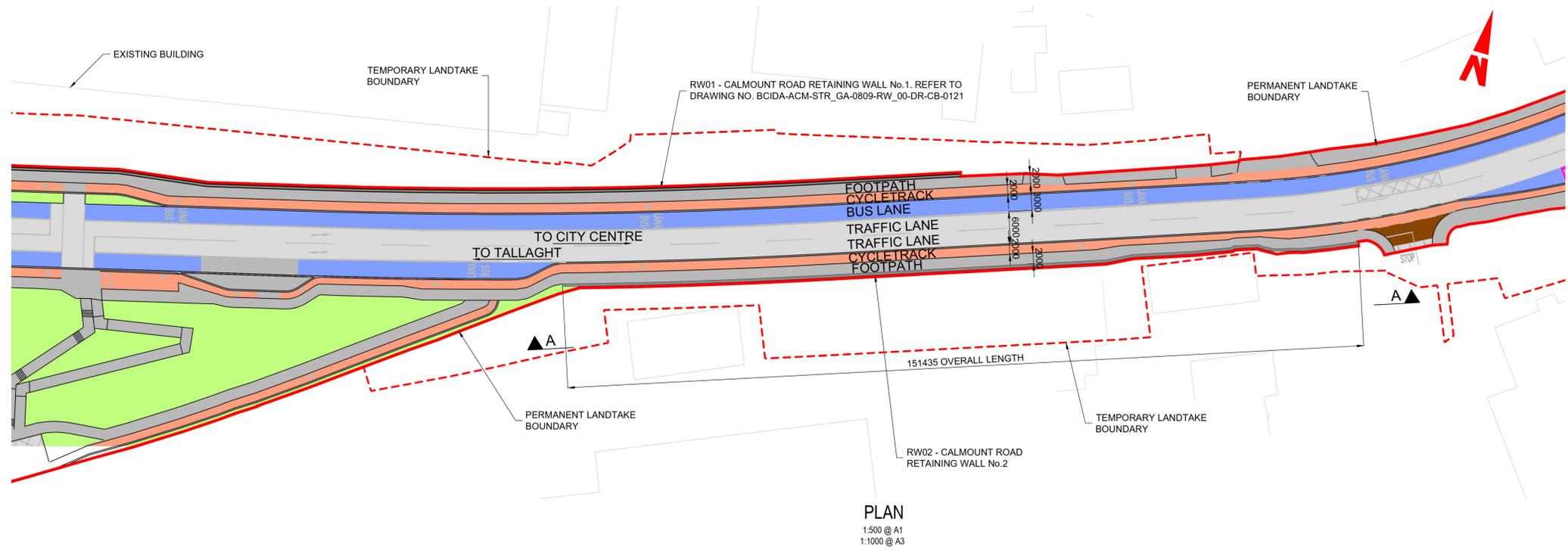


Rev	Date	Drn	Chk'd	App'd	Description
M01	23/03/23	RM	AD	CA	ISSUE FOR PHASE 4: PLANNING

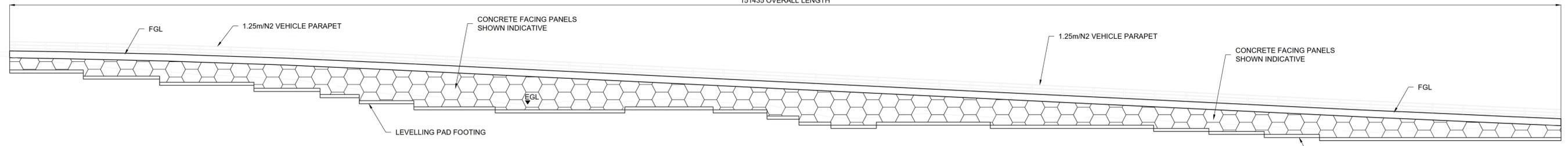
Client <b>NTA</b> Udarás Náisiúnta Iompair National Transport Authority		Engineering Designer <b>AECOM</b> M M MOTT MACDONALD	
Date 23/03/23	Scale AS SHOWN @ A1 AS SHOWN @ A3	Drawn R.MURPHY	Checked A.DUGGAN
Approved C.ACTON	Project Code BCIDA	Originator Code ACM	QMS Code

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title TALLAGHT/CLONDALKIN TO CITY CENTRE SCHEME RW01 CALMOUNT ROAD RETAINING WALL NO.1 GENERAL ARRANGEMENT			
Drawing File Name BCIDA-ACM-STR_GA-0809_RW_00-DR-CB-0121	Sheet Number 1 of 1	Status A	Rev M01

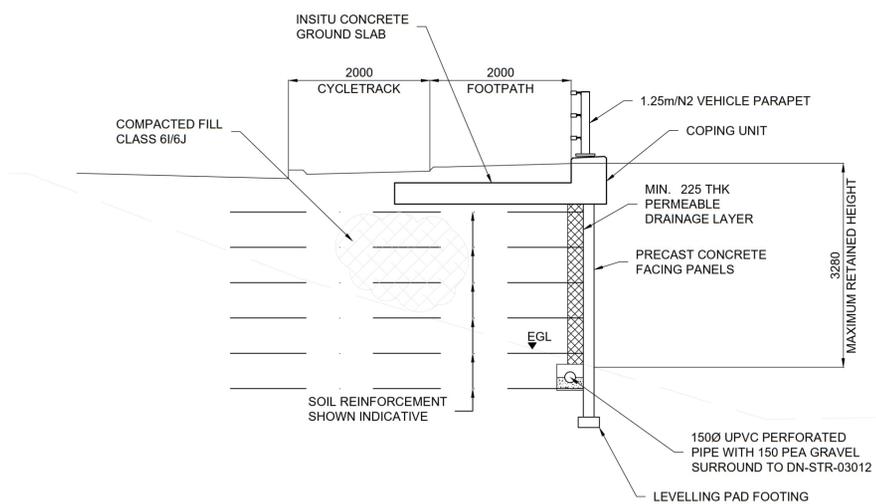
DO NOT SCALE USE FIGURED DIMENSIONS ONLY



PLAN  
1:500 @ A1  
1:1000 @ A3



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



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

C:\users\costello\appdata\local\projectwise\work\dm\mott\p-w-03\03032659\BCIDA-ACM-STR\_GA-0809\_RW\_00-DR-CB-0131.dwg

**Disclaimer**  
a. © National Transport Authority (NTA) 2023. This drawing is confidential and the copyright in it is owned by NTA. This drawing must not be either loaned, copied or otherwise reproduced in whole or in part or used for any purpose without the prior permission of NTA.  
b. This drawing is to be used for the design element identified in the titlebox. Other information shown is to be considered indicative only. The drawing is to be read in conjunction with all other relevant design drawings.  
c. O.S. data used for plans are printed under © Ordnance Survey Ireland Government of Ireland. All rights reserved. Licence Number 2023/OS\_NMA\_180 National Transport Authority. All elevations are in metres and relate to OSI Geoid Model (OSGM15) Mean Head. All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSI active local GPS station.  
d. Information concerning the position of apparatus shown on this drawing is based on drawings supplied by the utility owners and/or the utility works contractor, whilst every care has been taken in the preparation of this drawing, positions should be taken as approximate and are intended for general guidance only and no representation is made by the NTA as to the accuracy, completeness, sufficiency or otherwise of this information. The information contained herein does not purport to be comprehensive or final as the apparatus is subject to being altered and/or superceded. Recipients should not rely on this information. Any liabilities are hereby expressly disclaimed.  
e. The information contained herein has been provided by the NTA but does not purport to be comprehensive or final. Recipients should not rely on the information. Neither the NTA nor any of its directors, officers, employees, agents, stakeholders or advisers make any representation or warranty as to, or accept any liability or responsibility in relation to, the adequacy, accuracy, reasonableness or completeness of the information provided as part of this document or any matter on which the information is based (including but not limited to loss or damage arising as a result of reliance by recipients on the information or any part of it). Any liabilities are hereby expressly disclaimed.

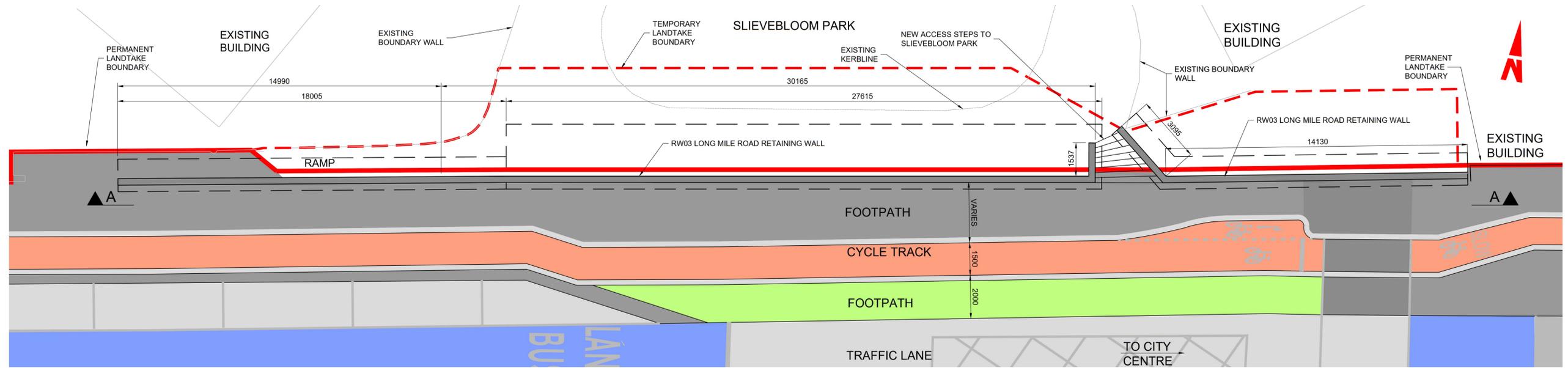


Rev	Date	Drn	Chk'd	App'd	Description
M01	23/03/23	RM	AD	CA	ISSUE FOR PHASE 4: PLANNING

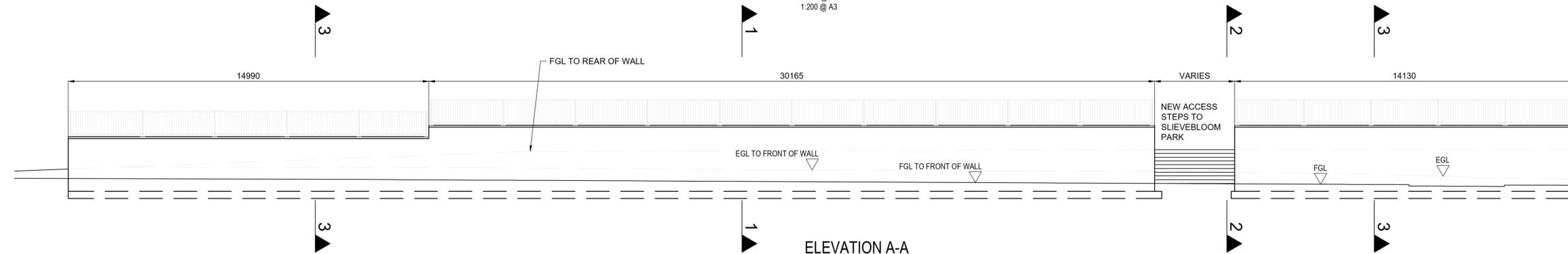
Client <b>NTA</b> Údarás Náisiúnta Iompair National Transport Authority		Engineering Designer <b>AECOM</b> <b>M</b> <b>MOTT MACDONALD</b>		
Date 23/03/23	Scale AS SHOWN @ A1 AS SHOWN @ A3	Drawn R.MURPHY	Checked A.DUGGAN	Approved C.ACTON
Project Code BCIDA	Originator Code ACM	QMS Code		

Programme Title <b>BUSCONNECTS DUBLIN</b> <b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title TALLAGHT/CLONDALKIN TO CITY CENTRE SCHEME RW02 CALMOUNT ROAD RETAINING WALL NO.2 GENERAL ARRANGEMENT			
Drawing File Name BCIDA-ACM-STR_GA-0809_RW_00-DR-CB-0131	Sheet Number 1 of 1	Status A	Rev M01

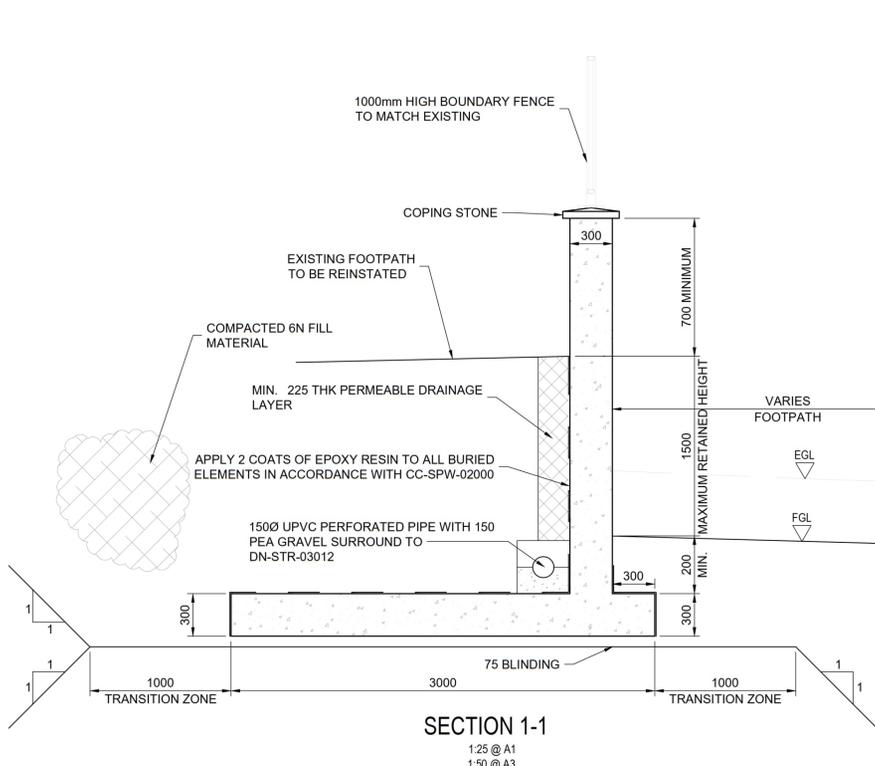
DO NOT SCALE USE FIGURED DIMENSIONS ONLY



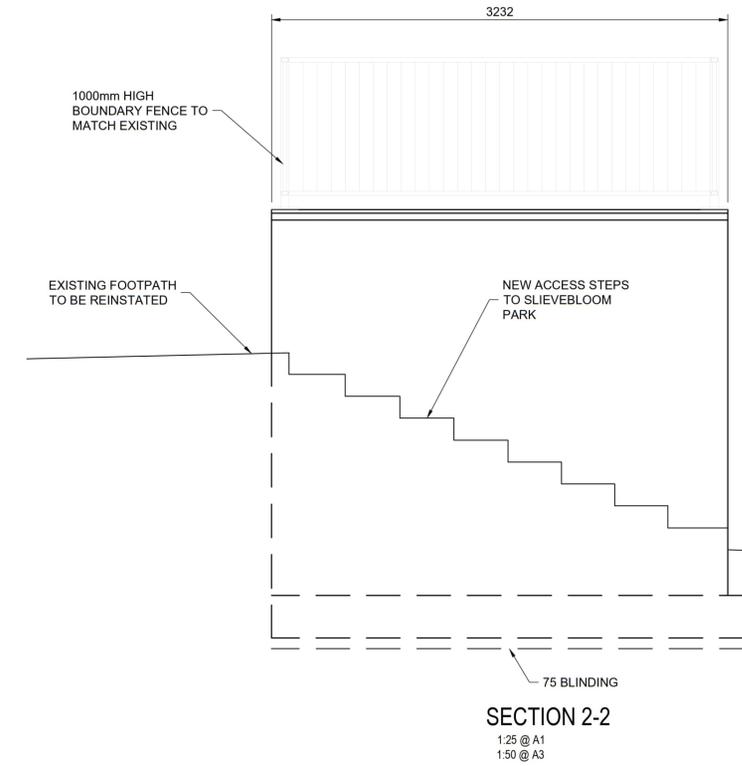
**PLAN**  
1:100 @ A1  
1:200 @ A3



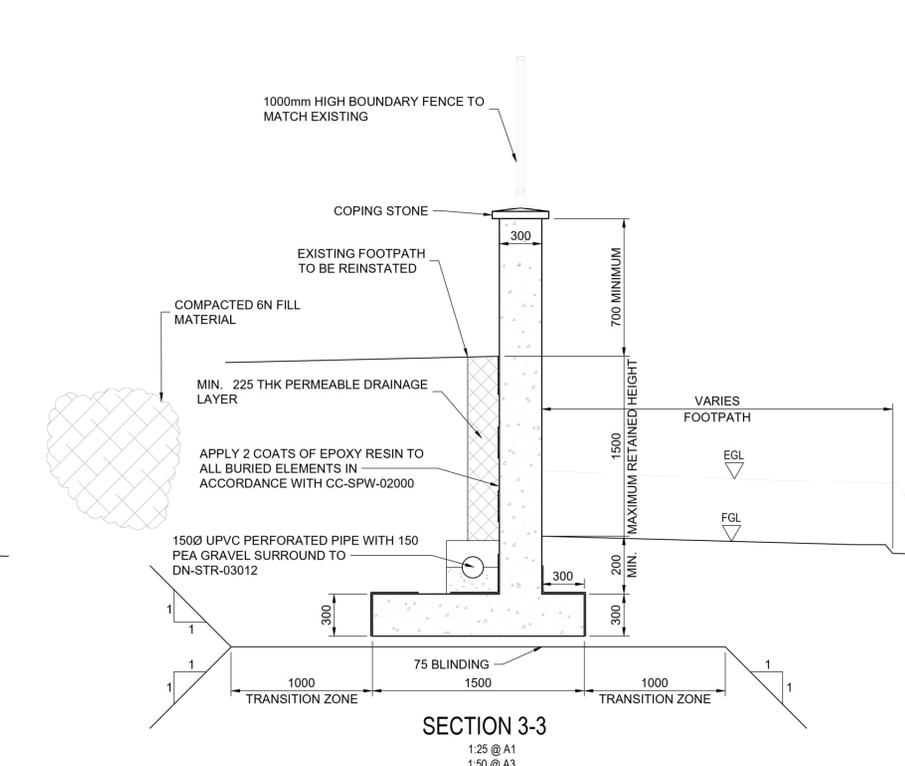
**ELEVATION A-A**  
1:100 @ A1  
1:200 @ A3



**SECTION 1-1**  
1:25 @ A1  
1:50 @ A3



**SECTION 2-2**  
1:25 @ A1  
1:50 @ A3



**SECTION 3-3**  
1:25 @ A1  
1:50 @ A3

**Disclaimer**  
a. © National Transport Authority (NTA) 2023. This drawing is confidential and the copyright in it is owned by NTA. This drawing must not be either loaned, copied or otherwise reproduced in whole or in part or used for any purpose without the prior permission of NTA.  
b. This drawing is to be used for the design element identified in the titleblock. Other information shown is to be considered indicative only. The drawing is to be read in conjunction with all other relevant design drawings.  
c. O.S. data used for plans are printed under © Ordnance Survey Ireland Government of Ireland. All rights reserved. Licence Number 2023/OSI\_NMA\_180 National Transport Authority. All elevations are in metres and relate to OSI Geoid Model (OSGM15) Mean Head. All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSI active local GPS station.  
d. Information concerning the position of apparatus shown on this drawing is based on drawings supplied by the utility owners and/or the utility works contractor, whilst every care has been taken in the preparation of this drawing, positions should be taken as approximate and are intended for general guidance only and no representation is made by the NTA as to the accuracy, completeness, sufficiency or otherwise of this information as it is provided. The information contained herein does not purport to be comprehensive or final as the apparatus is subject to being altered and/or superseded. Recipients should not rely on this information. Any liabilities are hereby expressly disclaimed.  
e. The information contained herein has been provided by the NTA but does not purport to be comprehensive or final. Recipients should not rely on the information. Neither the NTA nor any of its directors, officers, employees, agents, stakeholders or advisers make any representation or warranty as to, or accept any liability or responsibility in relation to, the adequacy, accuracy, reasonableness or completeness of the information provided as part of this document or any matter on which the information is based (including but not limited to loss or damage arising as a result of reliance by recipients on the information or any part of it). Any liabilities are hereby expressly disclaimed.

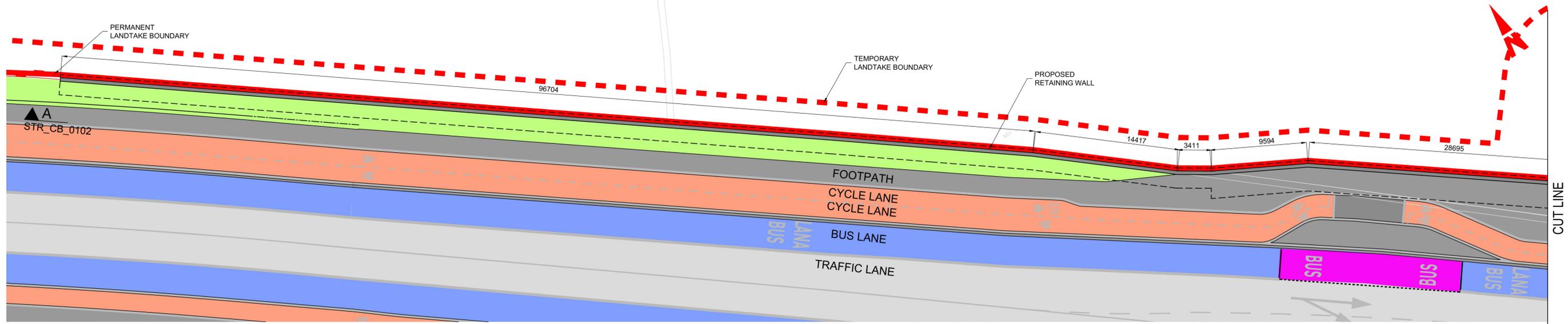


Rev	Date	Drn	Chk'd	App'd	Description
M01	23/03/23	RM	AD	CA	ISSUE FOR PHASE 4: PLANNING

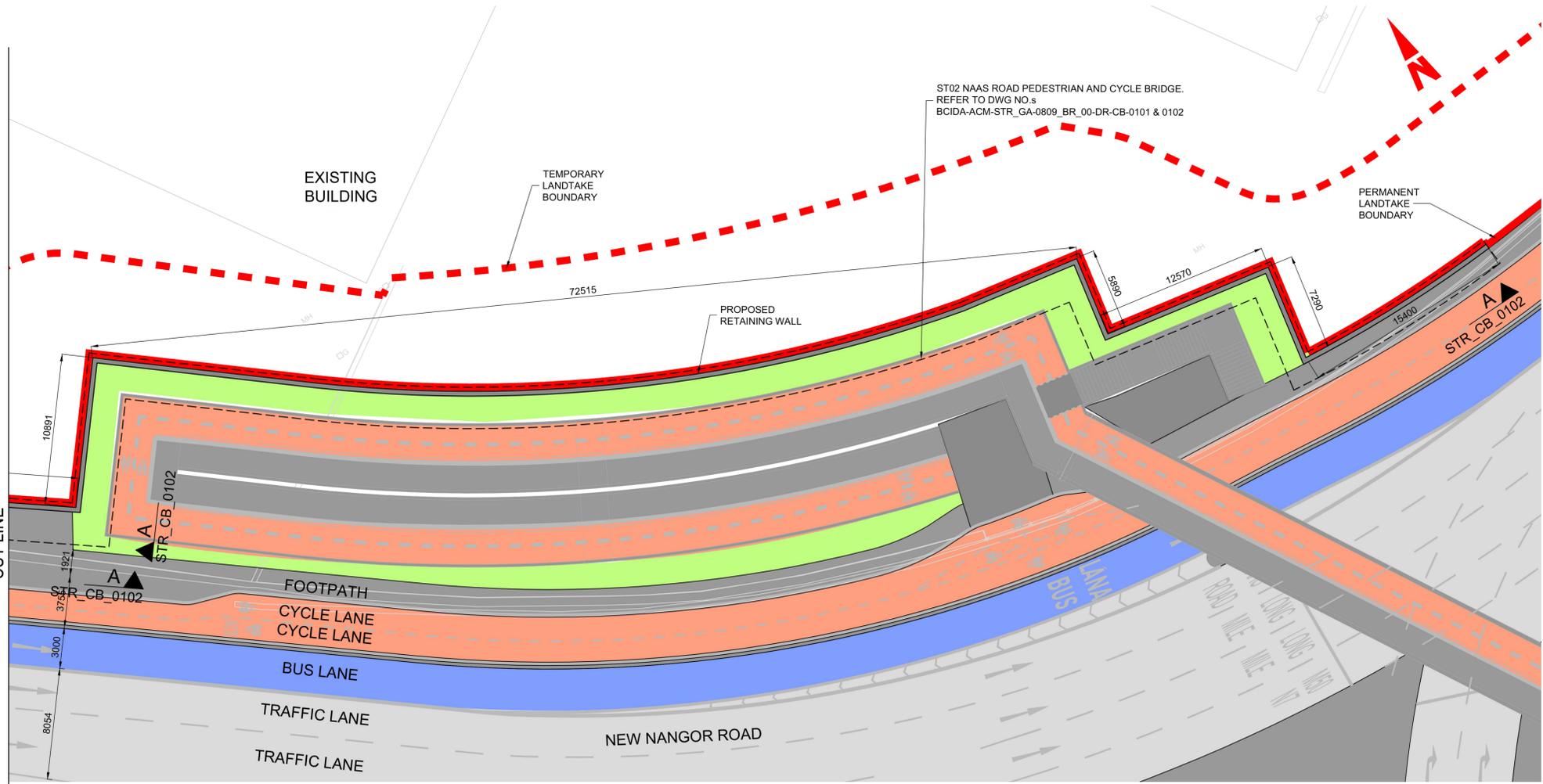
Client <b>NTA</b> Udarás Náisiúnta Iompair National Transport Authority		Engineering Designer <b>AECOM</b> <b>MOTT MACDONALD</b>	
Date 23/03/23	Scale AS SHOWN @ A1 AS SHOWN @ A3	Drawn R.MURPHY	Checked A.DUGGAN
Approved C.ACTON	Project Code BCIDA	Originator Code ACM	QMS Code

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title TALLAGHT/CLONDALKIN TO CITY CENTRE SCHEME RW03 LONG MILE ROAD RETAINING WALL GENERAL ARRANGEMENT			
Drawing File Name BCIDA-ACM-STR_GA-0809_RW_00-DR-CB-0141	Sheet Number 1 of 1	Status A	Rev M01

DO NOT SCALE USE FIGURED DIMENSIONS ONLY



**PART PLAN**  
1:200 @ A1  
1:400 @ A3



**PART PLAN (cont'd)**  
1:200 @ A1  
1:400 @ A3

C:\users\costello\appdata\local\projectwise\work\mott-gb-pw-03\0302659\BCIDA-ACM-STR\_GA-0809\_RW\_00-DR-CB-0101.dwg

**Disclaimer**  
a. © National Transport Authority (NTA) 2023. This drawing is confidential and the copyright in it is owned by NTA. This drawing must not be either loaned, copied or otherwise reproduced in whole or in part or used for any purpose without the prior permission of NTA.  
b. This drawing is to be used for the design element identified in the titlebox. Other information shown is to be considered indicative only. The drawing is to be read in conjunction with all other relevant design drawings.  
c. O.S. data used for plans are printed under © Ordnance Survey Ireland Government of Ireland. All rights reserved. Licence Number 2023/OS\_NMA\_180 National Transport Authority. All elevations are in metres and relate to OSI Geoid Model (OSGM15) Mean Head. All Co-ordinates are in Irish

Transverse Mercator Grid (ITM) as defined by OSI active local GPS station.  
Information concerning the position of apparatus shown on this drawing is based on drawings supplied by the utility owners and/or the utility works contractor, whilst every care has been taken in the preparation of this drawing, positions should be taken as approximate and are intended for general guidance only and no representation is made by the NTA as to the accuracy, completeness, sufficiency or otherwise of this drawing and the position of the apparatus. The information contained herein does not purport to be comprehensive or final as the apparatus is subject to being altered and/or superceded. Recipients should not rely on this information. Any liabilities are hereby expressly disclaimed.

The information contained herein has been provided by the NTA but does not purport to be comprehensive or final. Recipients should not rely on the information. Neither the NTA nor any of its directors, officers, employees, agents, stakeholders or advisers make any representation or warranty as to, or accept any liability or responsibility in relation to, the adequacy, accuracy, reasonableness or completeness of the information provided as part of this document or any matter on which the information is based (including but not limited to loss or damage arising as a result of reliance by recipients on the information or any part of it). Any liabilities are hereby expressly disclaimed.



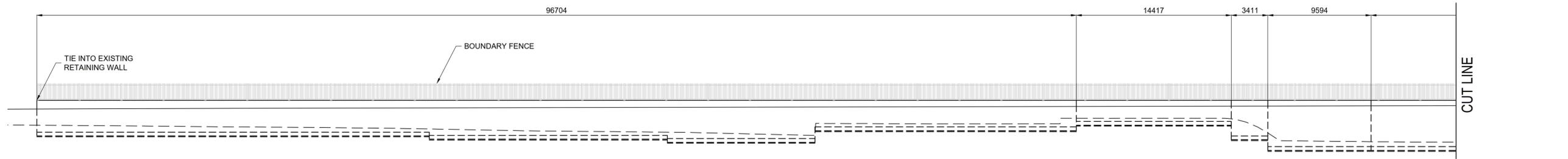
Rev	Date	Drn	Chk'd	App'd	Description
M01	23/03/23	RM	AD	CA	ISSUE FOR PHASE 4: PLANNING

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

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

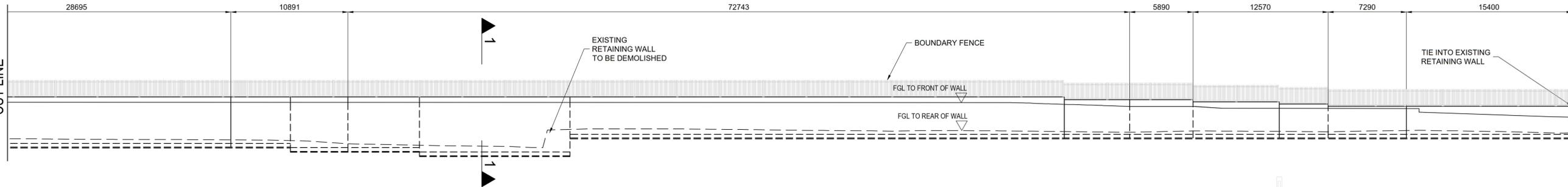
Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title TALLAGHT/CLONDALKIN TO CITY CENTRE SCHEME RW04 NAAS ROAD RETAINING WALL NO.1 PLAN			
Drawing File Name BCIDA-ACM-STR_GA-0809_RW_00-DR-CB-0101	Sheet Number 1 of 1	Status A	Rev M01

DO NOT SCALE USE FIGURED DIMENSIONS ONLY



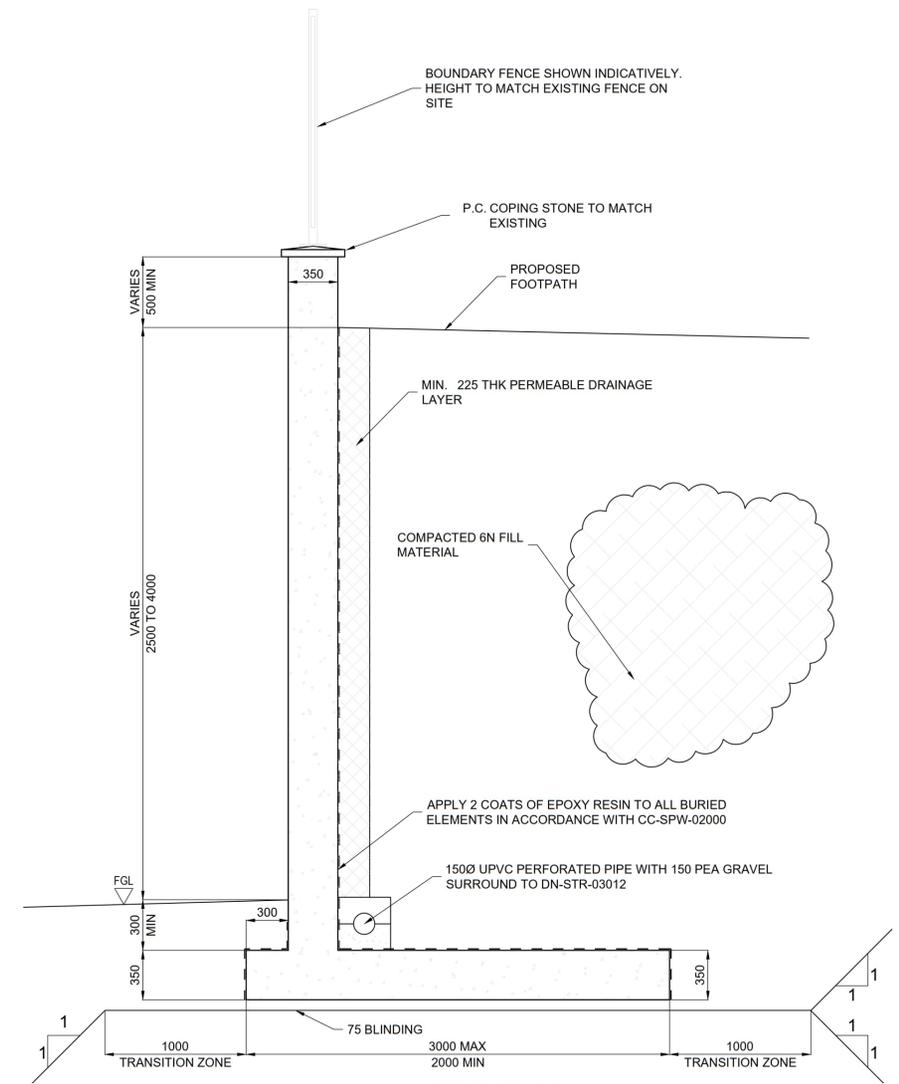
PART DEVELOPED ELEVATION A-A

1:200 @ A1  
1:400 @ A3



PART DEVELOPED ELEVATION A-A (cont'd)

1:200 @ A1  
1:400 @ A3



SECTION 1-1

1:25 @ A1  
1:50 @ A3

**Disclaimer**  
a. © National Transport Authority (NTA) 2023. This drawing is confidential and the copyright in it is owned by NTA. This drawing must not be either loaned, copied or otherwise reproduced in whole or in part or used for any purpose without the prior permission of NTA.  
b. This drawing is to be used for the design element identified in the titlebox. Other information shown is to be considered indicative only. The drawing is to be read in conjunction with all other relevant design drawings.  
c. O.S. data used for plans are printed under © Ordnance Survey Ireland Government of Ireland. All rights reserved. Licence Number 2023/OSI\_NMA\_180 National Transport Authority. All elevations are in metres and relate to OSI Geoid Model (OSGM15) Mean Head. All Co-ordinates are in Irish

Transverse Mercator Grid (ITM) as defined by OSI active local GPS station.  
d. Information concerning the position of apparatus shown on this drawing is based on drawings supplied by the utility owners and/or the utility works contractor, whilst every care has been taken in the preparation of this drawing, positions should be taken as approximate and are intended for general guidance only and no representation is made by the NTA as to the accuracy, completeness, sufficiency or otherwise of this drawing and the position of the apparatus. The information contained herein does not purport to be comprehensive or final as the apparatus is subject to being altered and/or superceded. Recipients should not rely on this information. Any liabilities are hereby expressly disclaimed.

e. The information contained herein has been provided by the NTA but does not purport to be comprehensive or final. Recipients should not rely on the information. Neither the NTA nor any of its directors, officers, employees, agents, stakeholders or advisers make any representation or warranty as to, or accept any liability or responsibility in relation to, the adequacy, accuracy, reasonableness or completeness of the information provided as part of this document or any matter on which the information is based (including but not limited to loss or damage arising as a result of reliance by recipients on the information or any part of it). Any liabilities are hereby expressly disclaimed.



Rev	Date	Drn	Chk'd	App'd	Description
M01	23/03/23	RM	AD	CA	ISSUE FOR PHASE 4: PLANNING

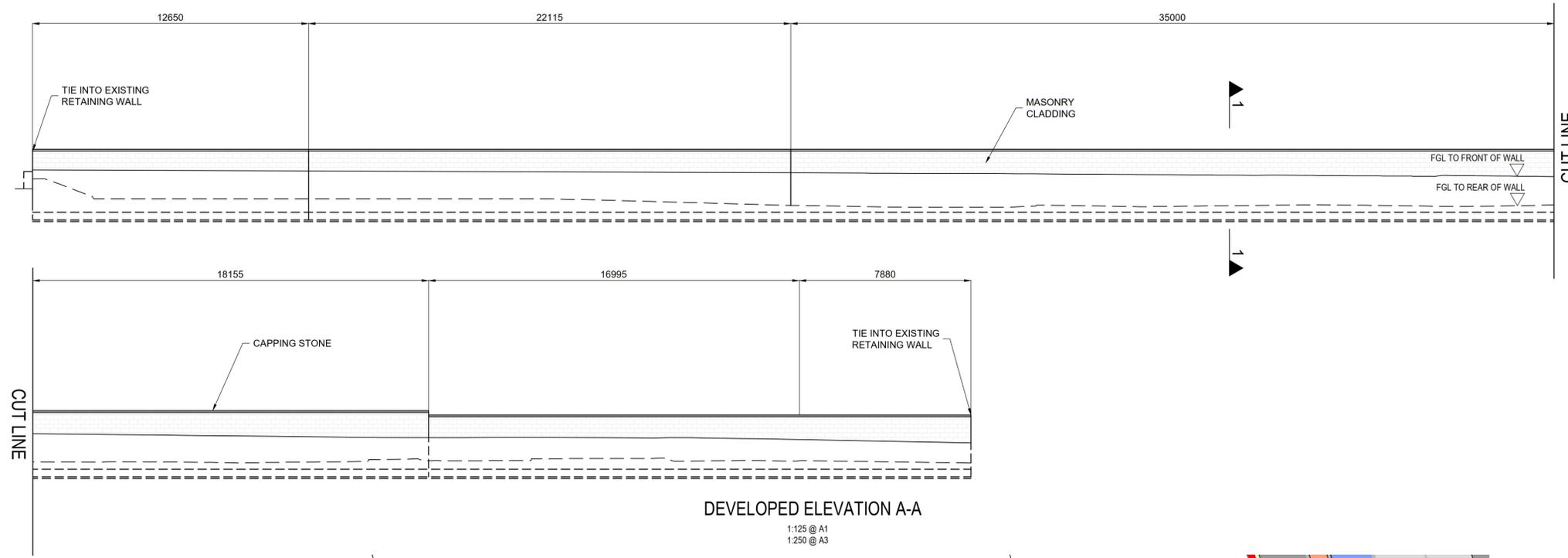
Client  
**NTA**  
Údarás Náisiúnta Iompair  
National Transport Authority

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

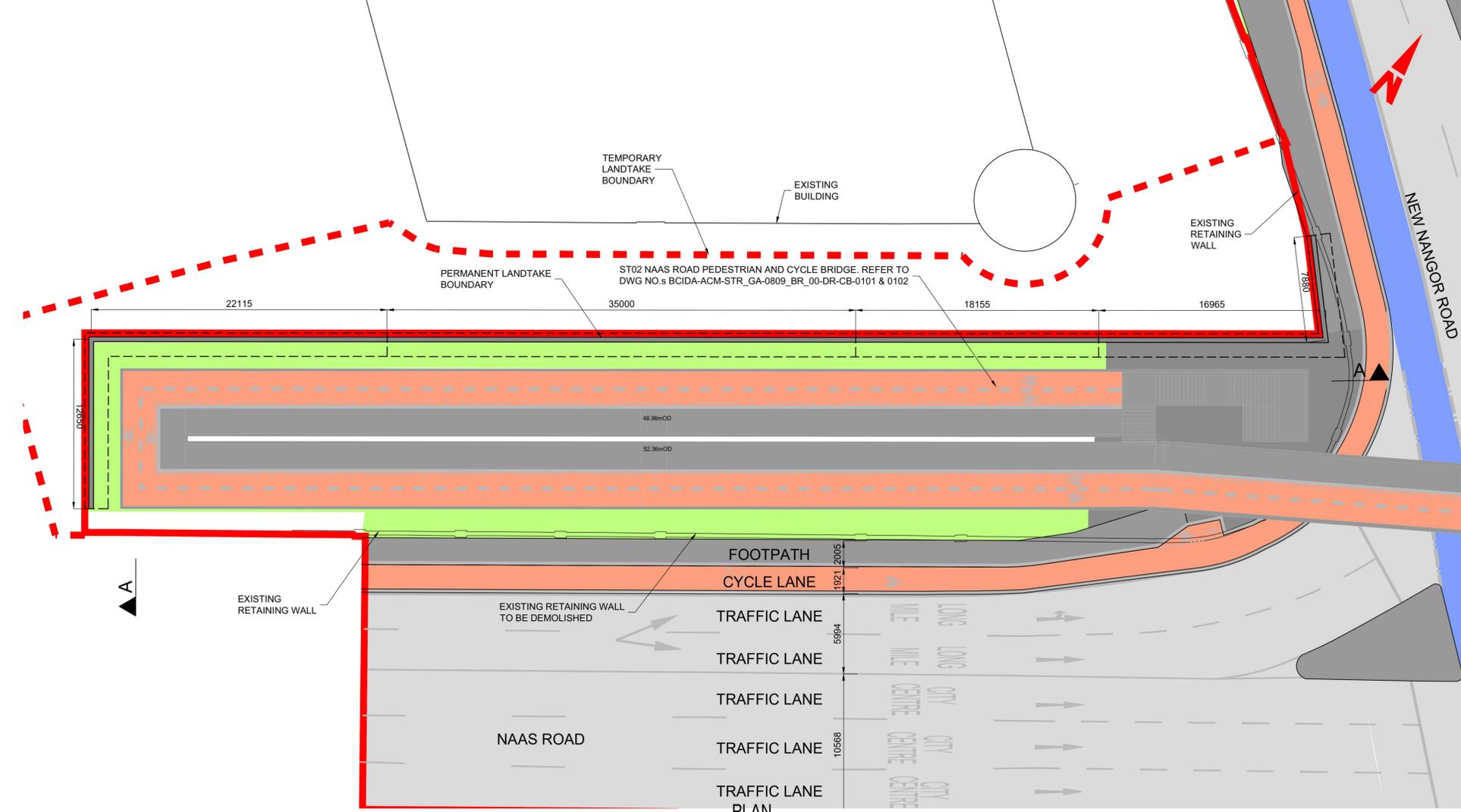
Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title TALLAGHT/CLONDALKIN TO CITY CENTRE SCHEME RW04 NAAS ROAD RETAINING WALL NO.1 DETAILS			
Drawing File Name BCIDA-ACM-STR_GA-0809_RW_00-DR-CB-0102	Sheet Number 1 of 1	Status A	Rev M01

DO NOT SCALE USE FIGURED DIMENSIONS ONLY

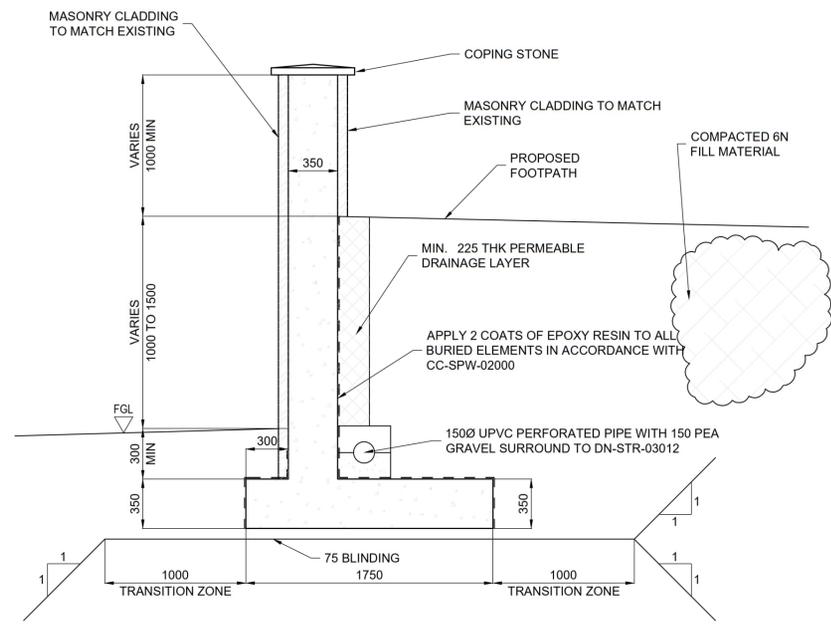
C:\users\costello\appdata\local\projectwise\work\in\mott-gb-pw-03\0302659\BCIDA-ACM-STR\_GA-0809\_RW\_00-DR-CB-0102.dwg



DEVELOPED ELEVATION A-A  
1:125 @ A1  
1:250 @ A3



NAAS ROAD PLAN  
1:200 @ A1  
1:400 @ A3



SECTION 1-1  
1:25 @ A1  
1:50 @ A3

C:\users\costello\appdata\local\projectwise\work\mott-gb-pw-03\0302659\BCIDA-ACM-STR\_GA-0809\_RW\_00-DR-CB-0111.dwg

**Disclaimer**  
a. © National Transport Authority (NTA) 2023. This drawing is confidential and the copyright in it is owned by NTA. This drawing must not be either loaned, copied or otherwise reproduced in whole or in part or used for any purpose without the prior permission of NTA.  
b. This drawing is to be used for the design element identified in the titleblock. Other information shown is to be considered indicative only. The drawing is to be read in conjunction with all other relevant design drawings.  
c. O.S. data used for plans are printed under © Ordnance Survey Ireland Government of Ireland. All rights reserved. Licence Number 2023/OSI\_NMA\_180 National Transport Authority. All elevations are in metres and relate to OSI Geoid Model (OSGM15) Malin Head. All Co-ordinates are in Irish Transverse Mercator Grid (ITM) as defined by OSI active local GPS station.  
d. Information concerning the position of apparatus shown on this drawing is based on drawings supplied by the utility owners and/or the utility works contractor, whilst every care has been taken in the preparation of this drawing, positions should be taken as approximate and are intended for general guidance only and no representation is made by the NTA as to the accuracy, completeness, sufficiency or otherwise of this drawing and the position of the apparatus. The information contained herein does not purport to be comprehensive or final as the apparatus is subject to being altered and/or superseded. Recipients should not rely on this information. Any liabilities are hereby expressly disclaimed.  
e. The information contained herein has been provided by the NTA but does not purport to be comprehensive or final. Recipients should not rely on the information. Neither the NTA nor any of its directors, officers, employees, agents, stakeholders or advisers make any representation or warranty as to, or accept any liability or responsibility in relation to, the adequacy, accuracy, reasonableness or completeness of the information provided as part of this document or any matter on which the information is based (including but not limited to loss or damage arising as a result of reliance by recipients on the information or any part of it). Any liabilities are hereby expressly disclaimed.

Rev	Date	Drn	Chk'd	App'd	Description
M01	23/03/23	RM	AD	CA	ISSUE FOR PHASE 4: PLANNING

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

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

Date: 23/03/23  
Scale: AS SHOWN @ A1, AS SHOWN @ A3

Project Code: BCIDA  
Originator Code: ACM

Drawn: R.MURPHY  
Checked: A.DUGGAN  
Approved: C.ACTON

QMS Code:

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title TALLAGHT/CLONDALKIN TO CITY CENTRE SCHEME RW05 NAAS ROAD RETAINING WALL NO.2 GENERAL ARRANGEMENT			
Drawing File Name BCIDA-ACM-STR_GA-0809_RW_00-DR-CB-0111	Sheet Number 1 of 1	Status A	Rev M01

DO NOT SCALE USE FIGURED DIMENSIONS ONLY