



Appendix B4
Typical Cross-sections



BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS

BRAY TO CITY CENTRE CORE BUS CORRIDOR SCHEME

TYPICAL CROSS SECTION	
DRAWING SERIES NUMBER(S)	DRAWING SERIES DESCRIPTION
BCIDB-JAC-GEO_IX-0013_XX_00-DR-CR-0002	BRAY TO CITY CENTRE CORE BUS CORRIDOR SCHEME. TYPICAL CROSS SECTIONS. COVER SHEET
BCIDB-JAC-GEO_CS-0013_XX_00-DR-CR-0001 to 0022	BRAY TO CITY CENTRE CORE BUS CORRIDOR SCHEME. TYPICAL CROSS SECTIONS

C:\pwworking\jacobs_uk_highways_asd\legintl_bayd2d\148200\BCIDB-JAC-GEO_IX-0013_XX_00-DR-CR-0002.dwg

Disclaimer

a. © National Transport Authority (NTA) 2022. 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 2022/OSI_NMA_150 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contained herein does not purport to be comprehensive or final as the apparatus is subject to being altered and/or superseded.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.

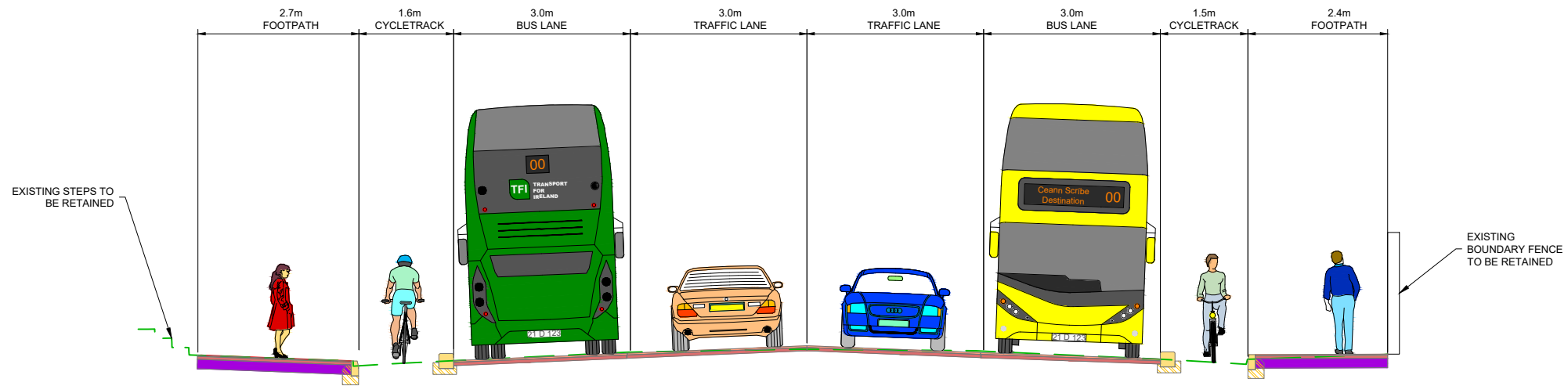


Rev	Date	Dm	Chk'd	App'd	Description
M01	08/06/2023	RB	EC	RS	ISSUE FOR PHASE 4: PLANNING

 Údarás Náisiúnta Iompair National Transport Authority				
Date	Scale	Drawn	Checked	Approved
08/06/2023	NTS @ A1 NTS @ A3	RB	EC	RS
Project Code	Originator Code	QMS Code		
BCIDB	JAC			

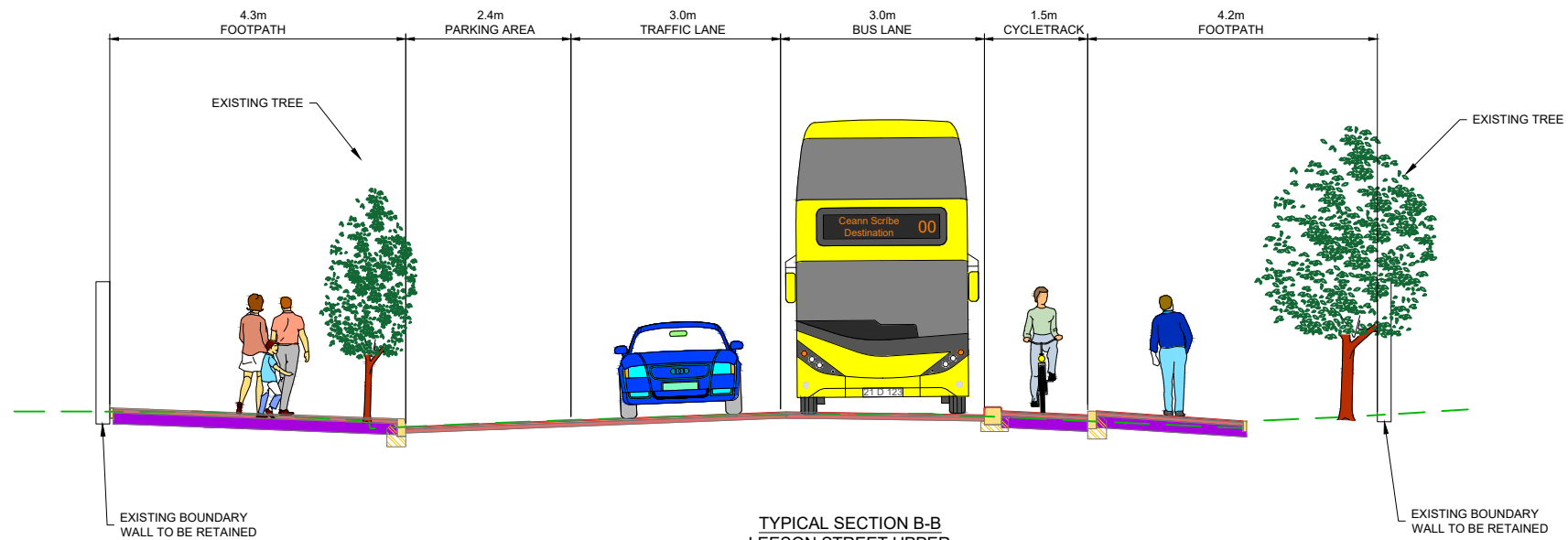
Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title BRAY TO CITY CENTRE CORE BUS CORRIDOR SCHEME TYPICAL CROSS SECTIONS COVER SHEET			
Drawing File Name	Sheet Number	Status	Rev
BCIDB-JAC-GEO_IX -0013_XX_00 -DR-CR-0002	01 of 01	A	M01

DO NOT SCALE USE FIGURED DIMENSIONS ONLY



TYPICAL SECTION A-A
LEESON STREET LOWER

LOCATED AT GA SHEET 02
DRAWING REF: BCIDB-JAC-GEO_GA-0013_XX_00-DR-CR-0002



TYPICAL SECTION B-B
LEESON STREET UPPER

LOCATED AT GA SHEET 03
DRAWING REF: BCIDB-JAC-GEO_GA-0013_XX_00-DR-CR-0003

- NOTES:**
- ADDITIONAL PROPOSED SCHEME INFORMATION IS AVAILABLE ON THE DRAWING SERIES PROVIDED WITHIN VOLUME III OF THE ENVIRONMENTAL IMPACT ASSESSMENT REPORT (EIAR).
 - WHERE PROPERTY LINE ADJUSTMENTS ARE PROPOSED, NEW BOUNDARY WALLS ARE PROPOSED TO MATCH EXISTING UNLESS OTHERWISE DETERMINED IN CONSULTATION WITH THE LANDOWNER.

Disclaimer

a. © National Transport Authority (NTA) 2022. 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 2022/OSI_NMA_180 National Transport Authority. All elevations are in metres and relate to OS 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	Dm	Chk'd	App'd	Description
M01	08/05/2023	RB	EC	RS	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **Jacobs**

Date: 08/05/2023 | Scale: 1:50 @ A1, 1:100 @ A3

Project Code: BCIDB | Originator Code: JAC

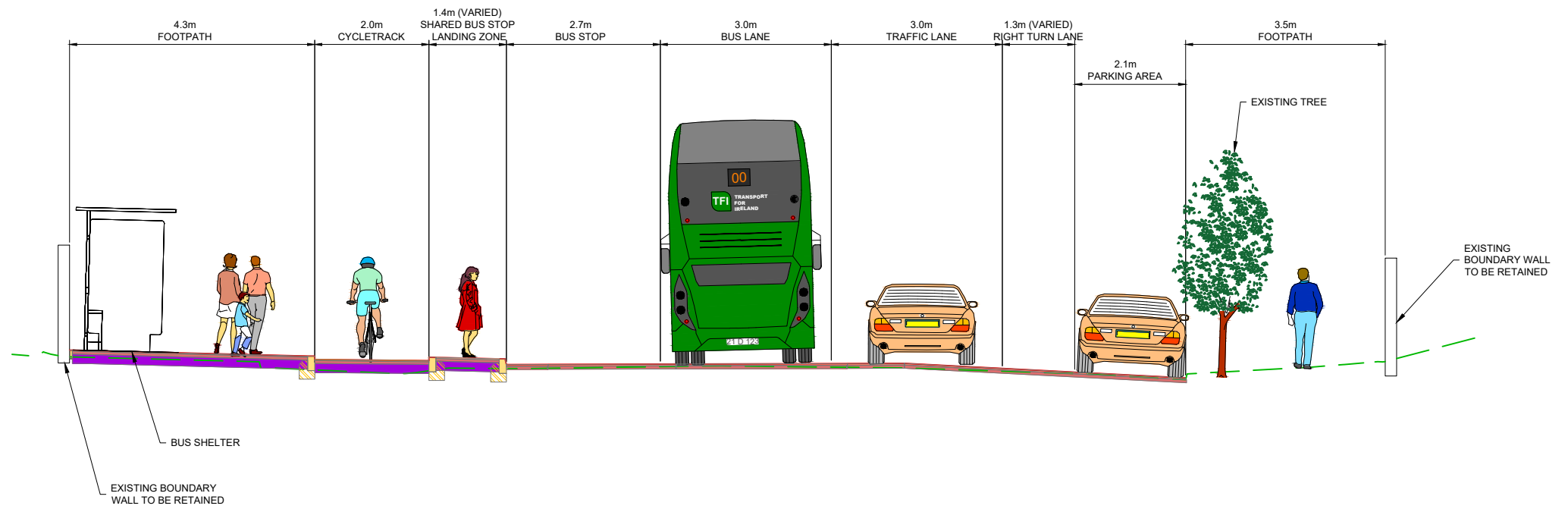
Drawn: RB | Checked: EC | Approved: RS

QMS Code:

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title BRAY TO CITY CENTRE CORE BUS CORRIDOR SCHEME TYPICAL CROSS SECTIONS			
Drawing File Name BCIDB-JAC-GEO_CS-0013_XX_00-DR-CR-0001	Sheet Number 01 of 22	Status A	Rev M01

DO NOT SCALE USE FIGURED DIMENSIONS ONLY

C:\pwworking\jacobs_uk_highways_ssd\jgintl_bov\2d\148200\BCIDB-JAC-GEO_CS-0013_XX_00-DR-CR-0001.dwg



TYPICAL SECTION C-C
 SUSSEX ROAD
 LOCATED AT GA SHEET 03
 DRAWING REF: BCIDB-JAC-GEO GA-0013_XX 00-DR-CR-0003

NOTES:

- ADDITIONAL PROPOSED SCHEME INFORMATION IS AVAILABLE ON THE DRAWING SERIES PROVIDED WITHIN VOLUME III OF THE ENVIRONMENTAL IMPACT ASSESSMENT REPORT (EIAR).
- WHERE PROPERTY LINE ADJUSTMENTS ARE PROPOSED, NEW BOUNDARY WALLS ARE PROPOSED TO MATCH EXISTING UNLESS OTHERWISE DETERMINED IN CONSULTATION WITH THE LANDOWNER.

Disclaimer

a. © National Transport Authority (NTA) 2022. 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 for use 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 2022/OSI_NMA_160 National Transport Authority. All elevations are in metres and relate to OS 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 as appropriate 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.

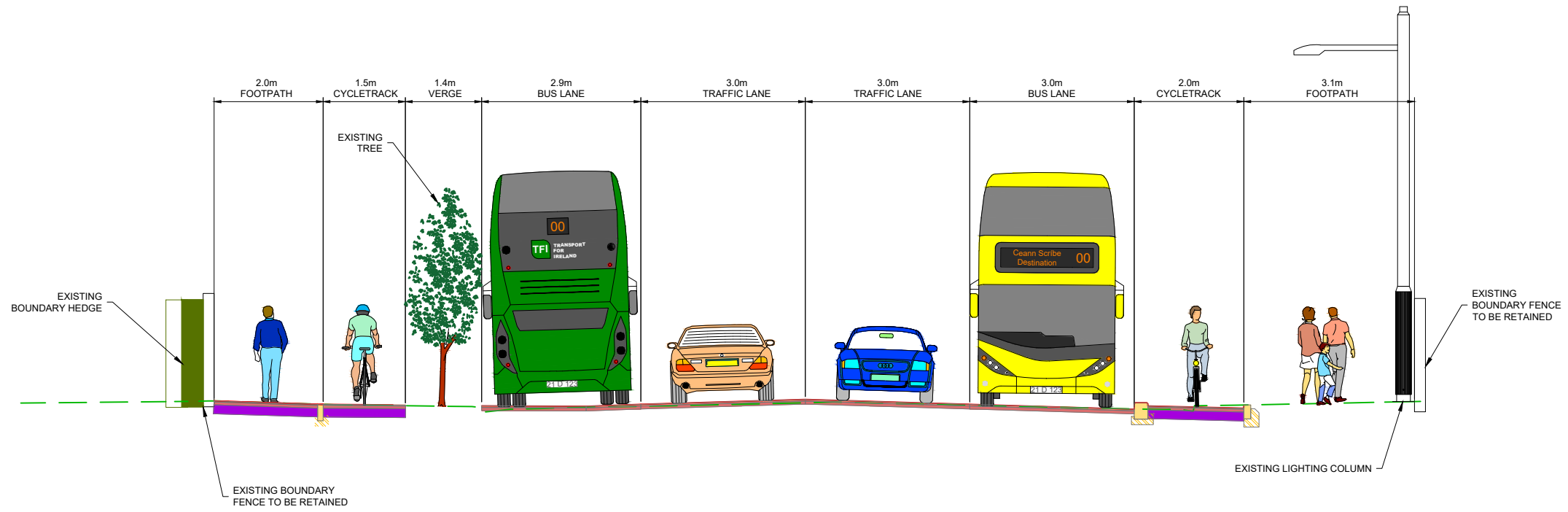


Rev	Date	Dm	Chk'd	App'd	Description
M01	08/05/2023	RB	EC	RS	ISSUE FOR PHASE 4: PLANNING

		Engineering Designer 		
Date	Scale	Drawn	Checked	Approved
08/05/2023	1:50 @ A1 1:100 @ A3	RB	EC	RS
Project Code	Originator Code	QMS Code		
BCIDB	JAC			

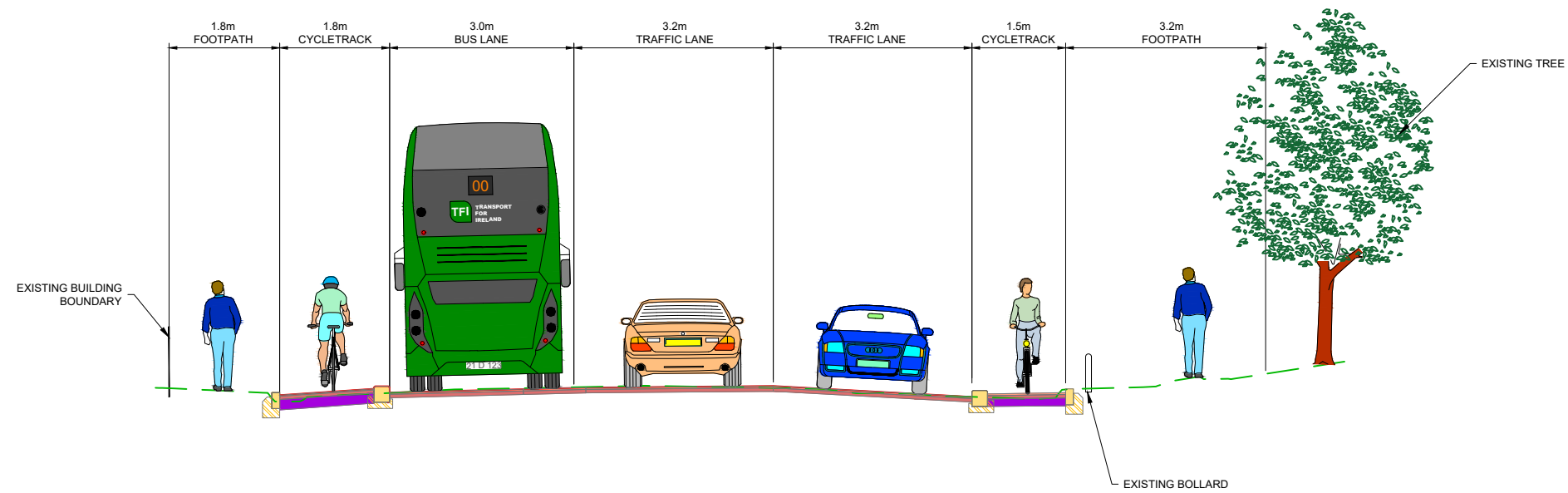
Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title BRAY TO CITY CENTRE CORE BUS CORRIDOR SCHEME TYPICAL CROSS SECTIONS			
Drawing File Name	Sheet Number	Status	Rev
BCIDB-JAC-GEO_CS-0013_XX_00-DR-CR-0002	02 of 22	A	M01

DO NOT SCALE USE FIGURED DIMENSIONS ONLY



TYPICAL SECTION D-D
MOREHAMPTON ROAD

LOCATED AT GA SHEET 06
DRAWING REF: BCIDB-JAC-GEO_GA-0013_XX_00-DR-CR-0006



TYPICAL SECTION E-E
DANNYBROOK ROAD

LOCATED AT GA SHEET 07
DRAWING REF: BCIDB-JAC-GEO_GA-0013_XX_00-DR-CR-0007

NOTES:

- ADDITIONAL PROPOSED SCHEME INFORMATION IS AVAILABLE ON THE DRAWING SERIES PROVIDED WITHIN VOLUME III OF THE ENVIRONMENTAL IMPACT ASSESSMENT REPORT (EIA).
- WHERE PROPERTY LINE ADJUSTMENTS ARE PROPOSED, NEW BOUNDARY WALLS ARE PROPOSED TO MATCH EXISTING UNLESS OTHERWISE DETERMINED IN CONSULTATION WITH THE LANDOWNER.

Disclaimer
 a. © National Transport Authority (NTA) 2022. 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 for use 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 2022/OSI_NMA_180 National Transport Authority. All elevations are in metres and relate to OS 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 as appropriate 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	Dm	Chk'd	App'd	Description
M01	08/05/2023	RB	EC	RS	ISSUE FOR PHASE 4: PLANNING

Client

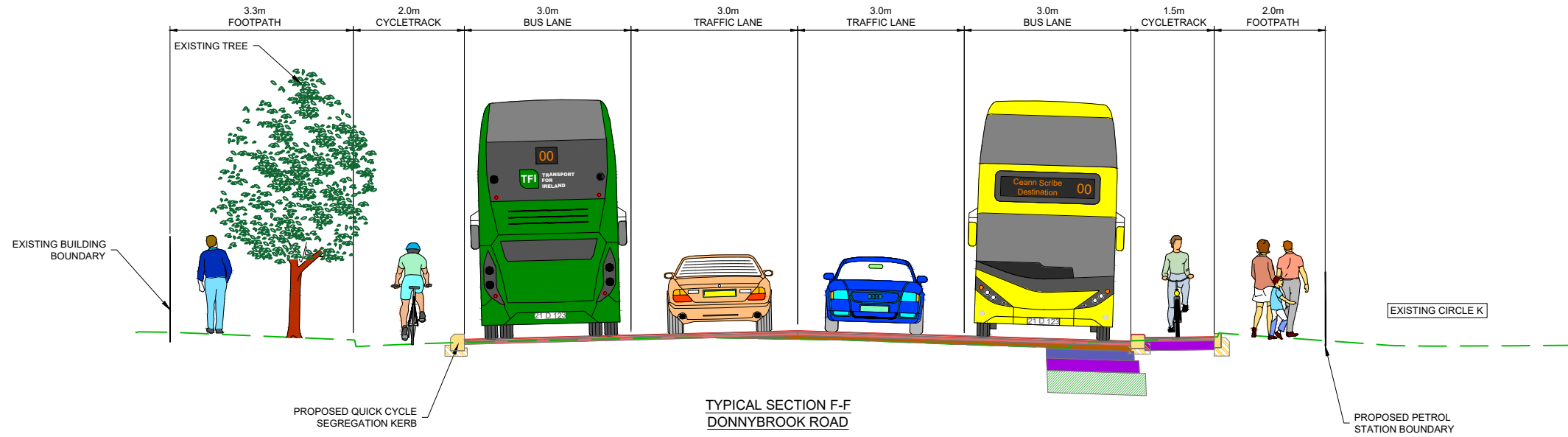
 Date: 08/05/2023
 Project Code: BCIDB

Engineering Designer

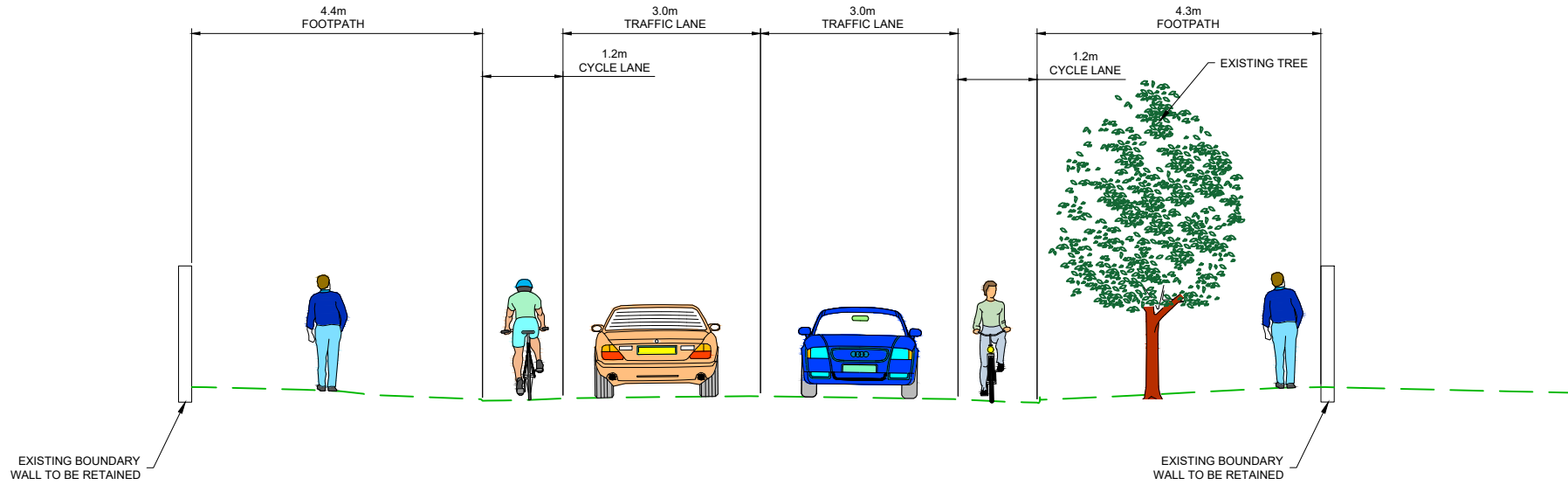
 Scale: 1:50 @ A1, 1:100 @ A3
 Originator Code: JAC

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title BRAY TO CITY CENTRE CORE BUS CORRIDOR SCHEME TYPICAL CROSS SECTIONS			
Drawing File Name BCIDB-JAC-GEO_CS-0013_XX_00-DR-CR-0003	Sheet Number 03 of 22	Status A	Rev M01

DO NOT SCALE USE FIGURED DIMENSIONS ONLY



LOCATED ON GA SHEET 08
DRAWING REF NO. BCIDB-JAC-GEO_GA-0013_XX_00-DR-CR-0008



LOCATED ON GA SHEET 08
DRAWING REF NO. BCIDB-JAC-GEO_GA-0013_XX_00-DR-CR-0008

NOTES:

- ADDITIONAL PROPOSED SCHEME INFORMATION IS AVAILABLE ON THE DRAWING SERIES PROVIDED WITHIN VOLUME III OF THE ENVIRONMENTAL IMPACT ASSESSMENT REPORT (EIAR).
- WHERE PROPERTY LINE ADJUSTMENTS ARE PROPOSED, NEW BOUNDARY WALLS ARE PROPOSED TO MATCH EXISTING UNLESS OTHERWISE DETERMINED IN CONSULTATION WITH THE LANDOWNER.

Disclaimer

a. © National Transport Authority (NTA) 2022. 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 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 2022/OSI_NMA_160 National Transport Authority. All elevations are in metres and relate to OS 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	Dm	Chk'd	App'd	Description
M01	08/05/2023	RB	EC	RS	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **Jacobs**

Date: 08/05/2023
Scale: 1:50 @ A1
1:100 @ A3

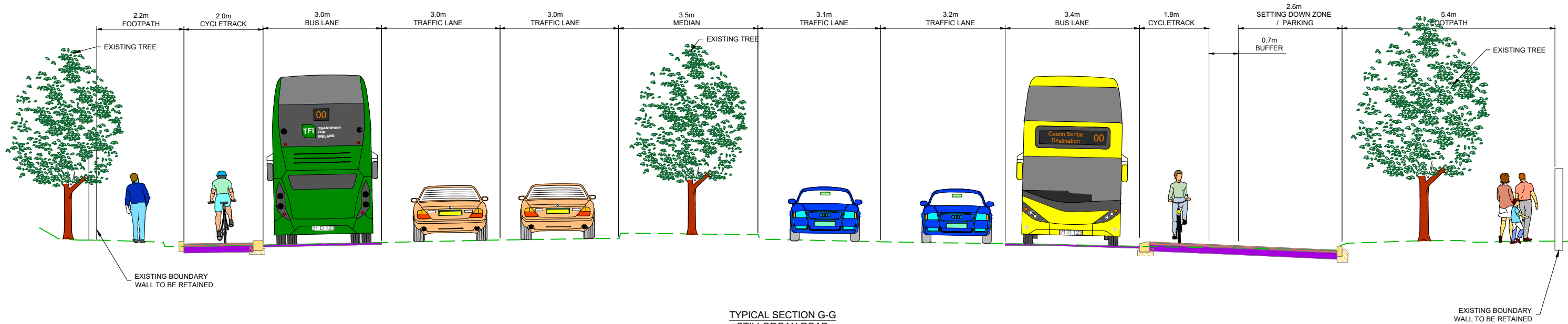
Project Code: BCIDB
Originator Code: JAC

QMS Code

Drawn: RB
Checked: EC
Approved: RS

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title BRAY TO CITY CENTRE CORE BUS CORRIDOR SCHEME TYPICAL CROSS SECTIONS			
Drawing File Name BCIDB-JAC-GEO_CS-0013_XX_00-DR-CR-0004	Sheet Number 04 of 22	Status A	Rev M01

DO NOT SCALE USE FIGURED DIMENSIONS ONLY



TYPICAL SECTION G-G
STILLORGAN ROAD
LOCATED ON GA SHEET 10
DRAWING REF NO. BCIDB-JAC-GEO GA-0013 XX 00-DR-CR-0010

NOTES:

- ADDITIONAL PROPOSED SCHEME INFORMATION IS AVAILABLE ON THE DRAWING SERIES PROVIDED WITHIN VOLUME III OF THE ENVIRONMENTAL IMPACT ASSESSMENT REPORT (EIAR).
- WHERE PROPERTY LINE ADJUSTMENTS ARE PROPOSED, NEW BOUNDARY WALLS ARE PROPOSED TO MATCH EXISTING UNLESS OTHERWISE DETERMINED IN CONSULTATION WITH THE LANDOWNER.

Disclaimer
 a. © National Transport Authority (NTA) 2022. 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 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 2022/OSI_NMA_180 National Transport Authority. All elevations are in metres and relate to OS 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.

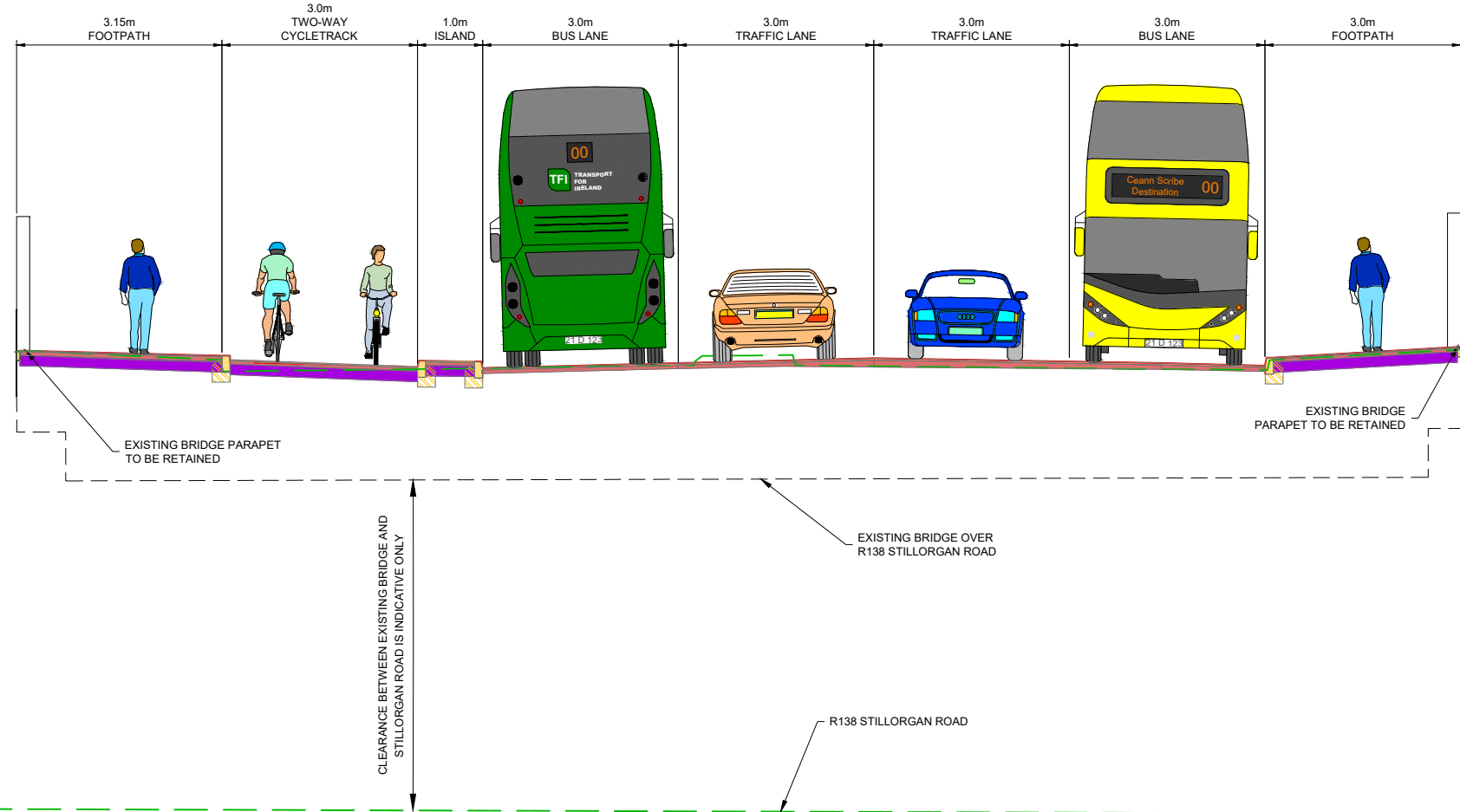


Rev	Date	Dm	Chk'd	App'd	Description
M01	08/05/2023	RB	EC	RS	ISSUE FOR PHASE 4: PLANNING

Date	Scale	Drawn	Checked	Approved
08/05/2023	1:50 @ A1 1:100 @ A3	RB	EC	RS
Project Code	Originator Code	QMS Code		
BCIDB	JAC			

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title BRAY TO CITY CENTRE CORE BUS CORRIDOR SCHEME TYPICAL CROSS SECTIONS			
Drawing File Name	Sheet Number	Status	Rev
BCIDB-JAC-GEO_CS-0013_XX_00-DR-CR-0005	05 of 22	A	M01

DO NOT SCALE USE FIGURED DIMENSIONS ONLY



TYPICAL SECTION K-K
MONTROSE FLYOVER
LOCATED ON GA SHEET 13
DRAWING REF NO. BCIDB-JAC-GEO_GA-0013_XX_00-DR-CR-0013

- NOTES:**
- ADDITIONAL PROPOSED SCHEME INFORMATION IS AVAILABLE ON THE DRAWING SERIES PROVIDED WITHIN VOLUME III OF THE ENVIRONMENTAL IMPACT ASSESSMENT REPORT (EIAR).
 - WHERE PROPERTY LINE ADJUSTMENTS ARE PROPOSED, NEW BOUNDARY WALLS ARE PROPOSED TO MATCH EXISTING UNLESS OTHERWISE DETERMINED IN CONSULTATION WITH THE LANDOWNER.

Disclaimer
 a. © National Transport Authority (NTA) 2022. 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 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 2022/OSI_NMA_160 National Transport Authority. All elevations are in metres and relate to OS 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 as appropriate 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	Dm	Chk'd	App'd	Description
M01	08/05/2023	RB	EC	RS	ISSUE FOR PHASE 4: PLANNING

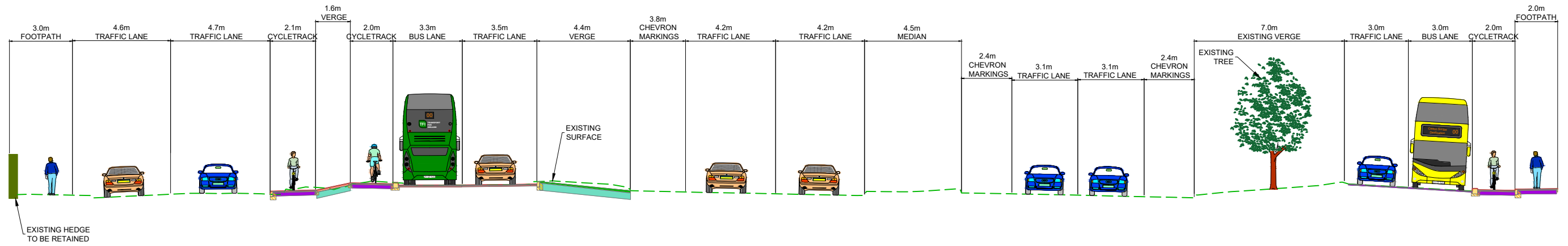
Client: **NTA**
 Údarás Náisiúnta Iompair
 National Transport Authority

Engineering Designer: **Jacobs**

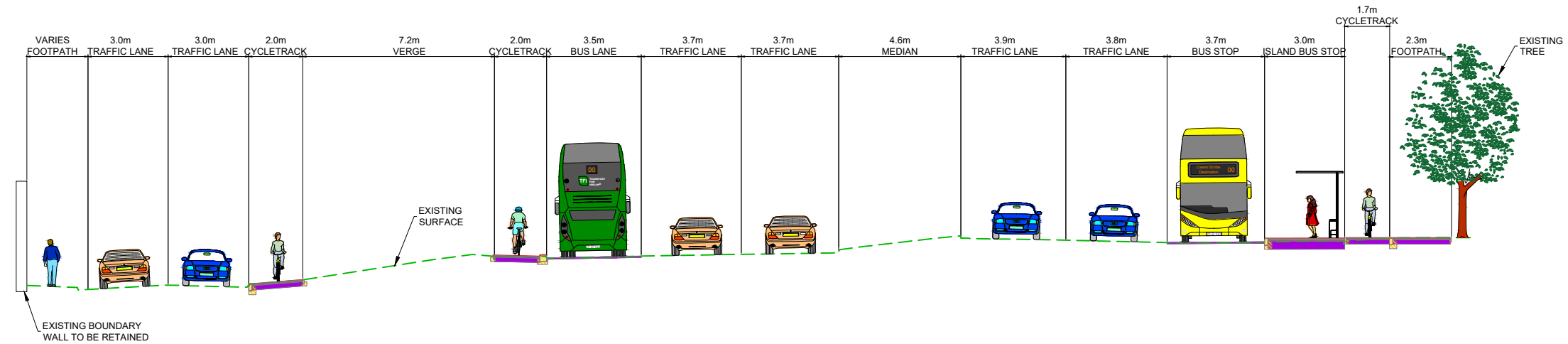
Date	Scale	Drawn	Checked	Approved
08/05/2023	1:50 @ A1 1:100 @ A3	RB	EC	RS
Project Code	Originator Code	QMS Code		
BCIDB	JAC			

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title BRAY TO CITY CENTRE CORE BUS CORRIDOR SCHEME TYPICAL CROSS SECTIONS			
Drawing File Name	Sheet Number	Status	Rev
BCIDB-JAC-GEO_CS-0013_XX_00-DR-CR-0007	06 of 22	A	M01

DO NOT SCALE USE FIGURED DIMENSIONS ONLY



TYPICAL SECTION I-I
 STILLORGAN ROAD
 LOCATED ON GA SHEET 14
 DRAWING REF NO. BCIDB-JAC-GEO_GA-0013_XX_00-DR-CR-0014
 Scale 1:100



TYPICAL SECTION J-J
 STILLORGAN ROAD
 LOCATED ON GA SHEET 15
 DRAWING REF NO. BCIDB-JAC-GEO_GA-0013_XX_00-DR-CR-0015
 Scale 1:100

- NOTES:**
- ADDITIONAL PROPOSED SCHEME INFORMATION IS AVAILABLE ON THE DRAWING SERIES PROVIDED WITHIN VOLUME III OF THE ENVIRONMENTAL IMPACT ASSESSMENT REPORT (EIAR).
 - WHERE PROPERTY LINE ADJUSTMENTS ARE PROPOSED, NEW BOUNDARY WALLS ARE PROPOSED TO MATCH EXISTING UNLESS OTHERWISE DETERMINED IN CONSULTATION WITH THE LANDOWNER.

Disclaimer
 a. © National Transport Authority (NTA) 2022. 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 2022/OSI_NMA_180 National Transport Authority. All elevations are in metres and relate to OS 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	Dm	Chk'd	App'd	Description
M01	08/05/2023	RB	EC	RS	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **Jacobs**

Date: 08/05/2023 | Scale: 1:50 @ A1, 1:100 @ A3

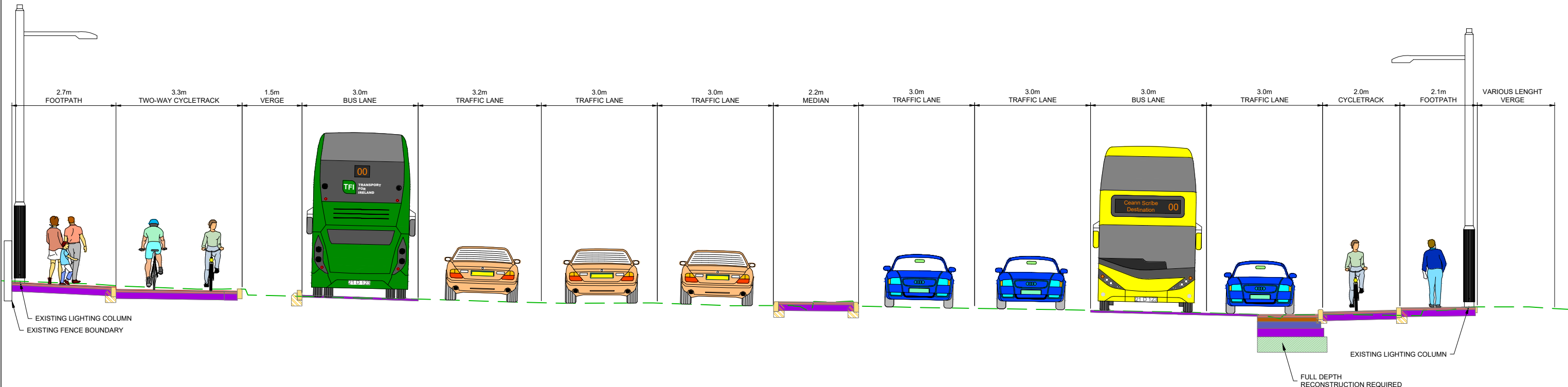
Project Code: BCIDB | Originator Code: JAC

Drawn: RB | Checked: EC | Approved: RS

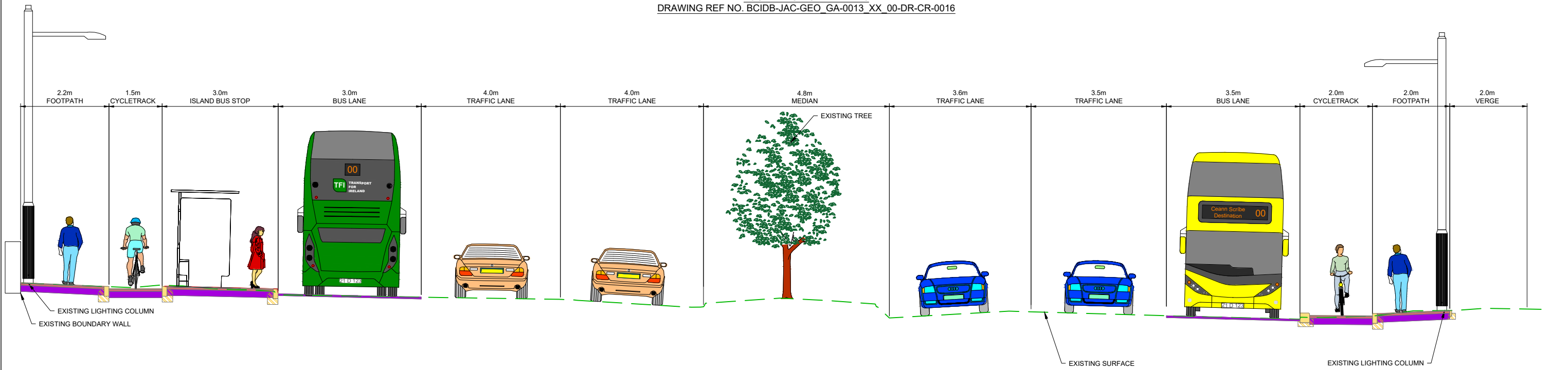
Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: BRAY TO CITY CENTRE CORE BUS CORRIDOR SCHEME TYPICAL CROSS SECTIONS			
Drawing File Name: BCIDB-JAC-GEO_CS-0013_XX_00-DR-CR-0006	Sheet Number: 07 of 22	Status: A	Rev: M01

DO NOT SCALE USE FIGURED DIMENSIONS ONLY

C:\pwworking\jacobs_uk_highways_ssd\jgintl_bov\2d\148200\BCIDB-JAC-GEO_CS-0013_XX_00-DR-CR-0001.dwg



TYPICAL SECTION L-L
 STILLORGAN ROAD
 LOCATED ON GA SHEET 16
 DRAWING REF NO. BCIDB-JAC-GEO_GA-0013_XX_00-DR-CR-0016



TYPICAL SECTION M-M
 STILLORGAN ROAD
 LOCATED ON GA SHEET 16
 DRAWING REF NO. BCIDB-JAC-GEO_GA-0013_XX_00-DR-CR-0016

- NOTES:**
- ADDITIONAL PROPOSED SCHEME INFORMATION IS AVAILABLE ON THE DRAWING SERIES PROVIDED WITHIN VOLUME III OF THE ENVIRONMENTAL IMPACT ASSESSMENT REPORT (EIAR).
 - WHERE PROPERTY LINE ADJUSTMENTS ARE PROPOSED, NEW BOUNDARY WALLS ARE PROPOSED TO MATCH EXISTING UNLESS OTHERWISE DETERMINED IN CONSULTATION WITH THE LANDOWNER.

Disclaimer
 a. © National Transport Authority (NTA) 2022. 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 for use 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 2022/OSI_NMA_180 National Transport Authority. All elevations are in metres and relate to OS 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 as appropriate 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 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	Dm	Chk'd	App'd	Description
M01	08/05/2023	RB	EC	RS	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **Jacobs**

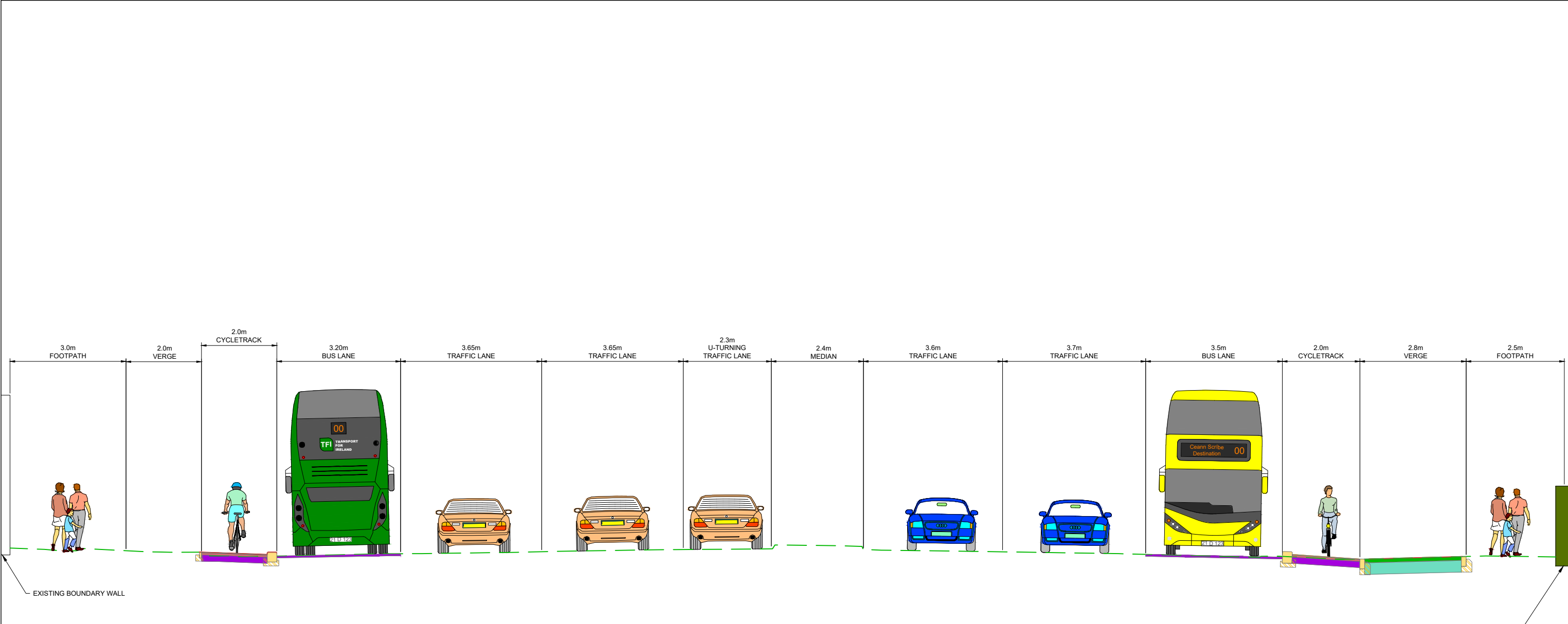
Date	Scale	Drawn	Checked	Approved
08/05/2023	1:50 @ A1 1:100 @ A3	RB	EC	RS

Project Code: BCIDB | Originator Code: JAC | QMS Code:

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title BRAY TO CITY CENTRE CORE BUS CORRIDOR SCHEME TYPICAL CROSS SECTIONS			
Drawing File Name BCIDB-JAC-GEO_CS-0013_XX_00-DR-CR-0008	Sheet Number 08 of 22	Status A	Rev M01

DO NOT SCALE USE FIGURED DIMENSIONS ONLY

C:\pwworking\jacobs_uk_highways_ssd\legintl_bovrd\2d\148200\BCIDB-JAC-GEO_CS-0013_XX_00-DR-CR-0001.dwg



TYPICAL SECTION N-N
STILLORGAN ROAD

LOCATED ON GA SHEET 17
DRAWING REF NO. BCIDB-JAC-GEO_GA-0013_XX_00-DR-CR-0017

- NOTES:**
- ADDITIONAL PROPOSED SCHEME INFORMATION IS AVAILABLE ON THE DRAWING SERIES PROVIDED WITHIN VOLUME III OF THE ENVIRONMENTAL IMPACT ASSESSMENT REPORT (EIAR).
 - WHERE PROPERTY LINE ADJUSTMENTS ARE PROPOSED, NEW BOUNDARY WALLS ARE PROPOSED TO MATCH EXISTING UNLESS OTHERWISE DETERMINED IN CONSULTATION WITH THE LANDOWNER.

Disclaimer
 a. © National Transport Authority (NTA) 2022. 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 for use 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 2022/OSI_NMA_180 National Transport Authority. All elevations are in metres and relate to OS 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	Dm	Chk'd	App'd	Description
M01	08/05/2023	RB	EC	RS	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **Jacobs**

Date: 08/05/2023
 Scale: 1:50 @ A1, 1:100 @ A3

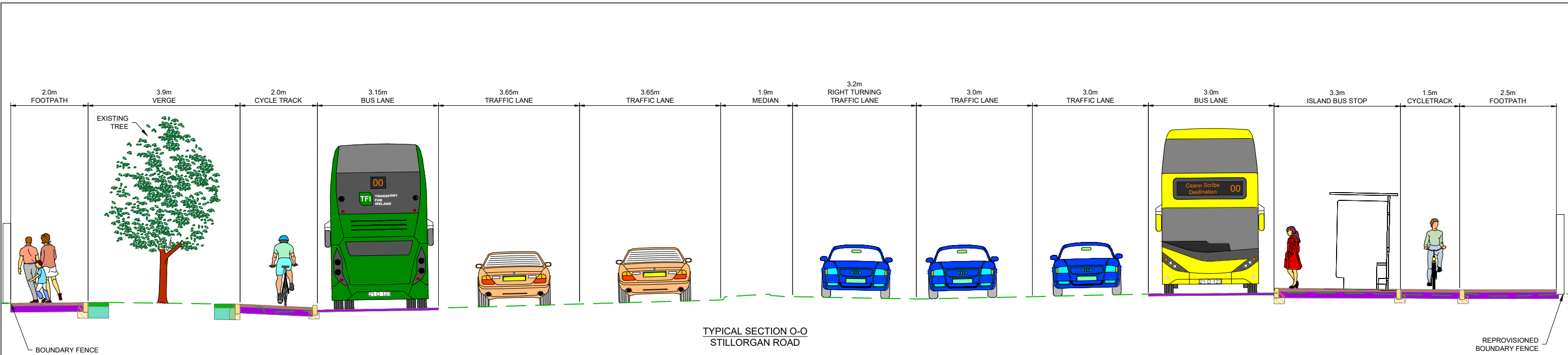
Project Code: BCIDB
 Originator Code: JAC

Drawn: RB
 Checked: EC
 Approved: RS

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title BRAY TO CITY CENTRE CORE BUS CORRIDOR SCHEME TYPICAL CROSS SECTIONS			
Drawing File Name BCIDB-JAC-GEO_CS-0013_XX_00-DR-CR-0009	Sheet Number 09 of 22	Status A	Rev M01

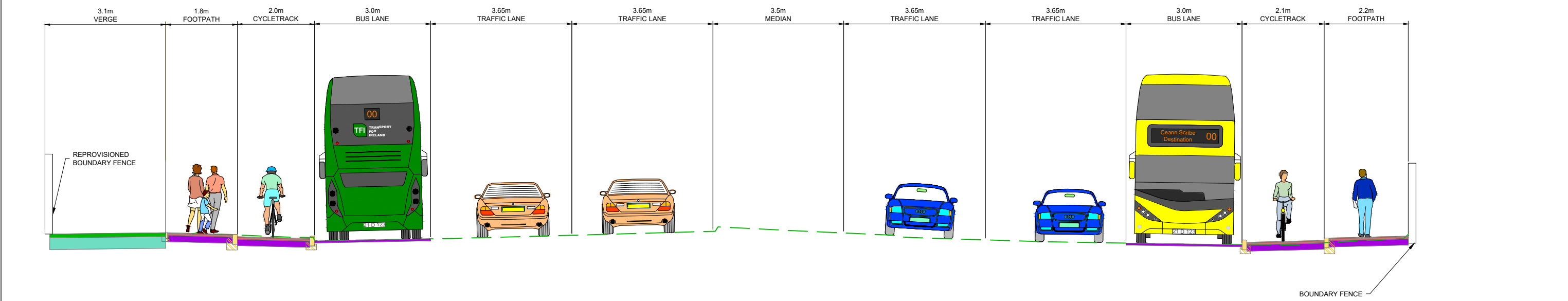
DO NOT SCALE USE FIGURED DIMENSIONS ONLY

C:\pwworking\jacobs_uk_highways_ssd\jgintl_bovrd\2d\148200\BCIDB-JAC-GEO_CS-0013_XX_00-DR-CR-0001.dwg



TYPICAL SECTION O-O
STILLORGAN ROAD

LOCATED ON GA SHEET 19
DRAWING REF NO. BCIDB-JAC-GEO_GA-0013_XX_00-DR-CR-0019



TYPICAL SECTION P-P
STILLORGAN ROAD

LOCATED ON GA SHEET 20
DRAWING REF NO. BCIDB-JAC-GEO_GA-0013_XX_00-DR-CR-0020

- NOTES:**
- ADDITIONAL PROPOSED SCHEME INFORMATION IS AVAILABLE ON THE DRAWING SERIES PROVIDED WITHIN VOLUME III OF THE ENVIRONMENTAL IMPACT ASSESSMENT REPORT (EIAR).
 - WHERE PROPERTY LINE ADJUSTMENTS ARE PROPOSED, NEW BOUNDARY WALLS ARE PROPOSED TO MATCH EXISTING UNLESS OTHERWISE DETERMINED IN CONSULTATION WITH THE LANDOWNER.

Disclaimer
 a. © National Transport Authority (NTA) 2022. 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 2022/OSI_NMA_160 National Transport Authority. All elevations are in metres and relate to OS 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	Dm	Chk'd	App'd	Description
M01	08/05/2023	RB	EC	RS	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **Jacobs**

Date: 08/05/2023
 Scale: 1:50 @ A1, 1:100 @ A3

Project Code: BCIDB
 Originator Code: JAC

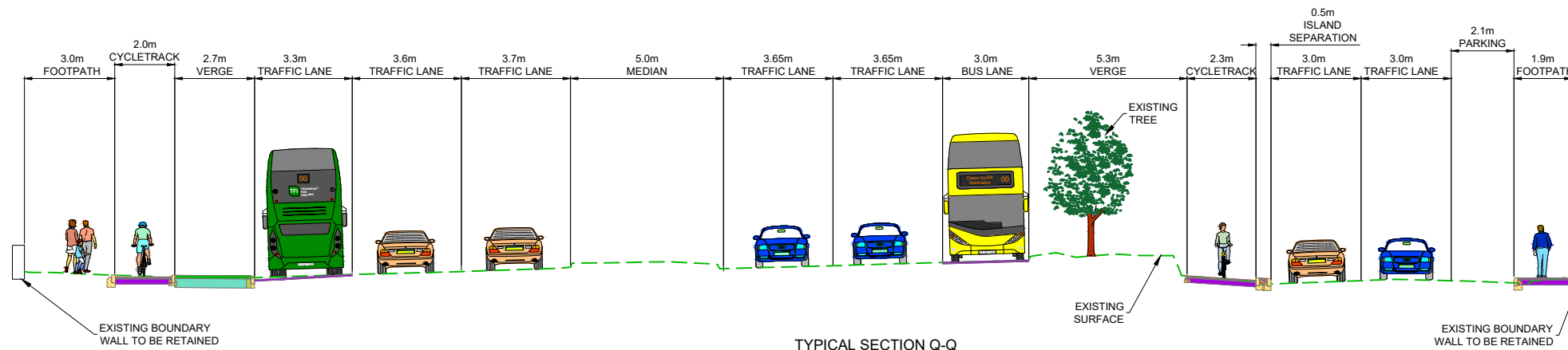
QMS Code: []

Drawn: RB, Checked: EC, Approved: RS

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title BRAY TO CITY CENTRE CORE BUS CORRIDOR SCHEME TYPICAL CROSS SECTIONS			
Drawing File Name BCIDB-JAC-GEO_CS-0013_XX_00-DR-CR-0010	Sheet Number 10 of 22	Status A	Rev M01

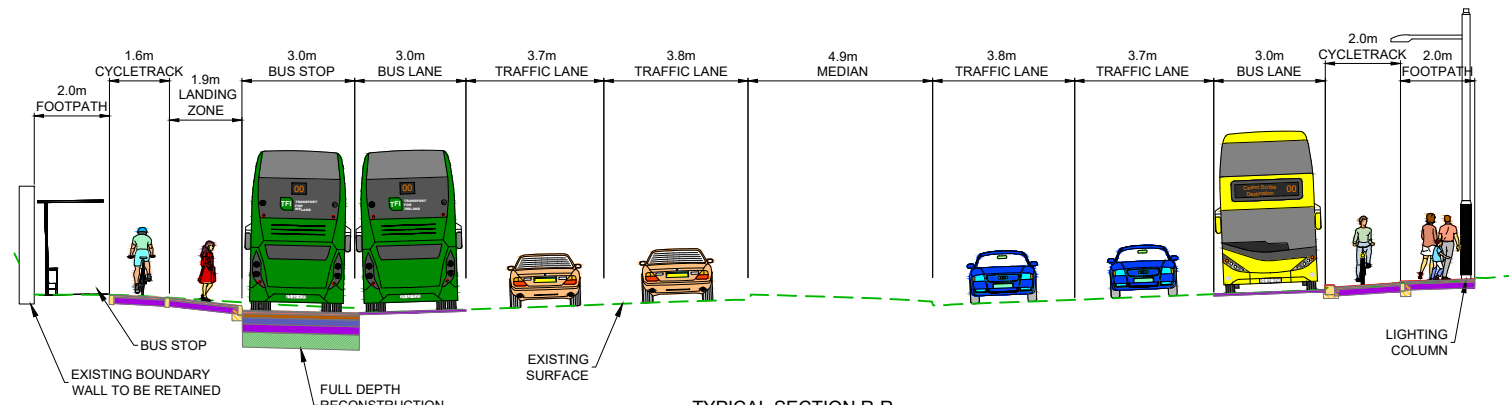
DO NOT SCALE USE FIGURED DIMENSIONS ONLY

C:\pwworking\jacobs_uk_highways_ssd\legint_bay\d2d\148200\BCIDB-JAC-GEO_CS-0013_XX_00-DR-CR-0001.dwg



TYPICAL SECTION Q-Q
 LOCATED AT GA SHEET 22
 DRAWING REF: BCIDB-JAC-GEO_GA-0013_XX_00-DR-CR-0022

SCALE 1:100



TYPICAL SECTION R-R
 LOCATED AT GA SHEET 23
 DRAWING REF: BCIDB-JAC-GEO_GA-0013_XX_00-DR-CR-0023

SCALE 1:100

NOTES:

- ADDITIONAL PROPOSED SCHEME INFORMATION IS AVAILABLE ON THE DRAWING SERIES PROVIDED WITHIN VOLUME III OF THE ENVIRONMENTAL IMPACT ASSESSMENT REPORT (EIAR).
- WHERE PROPERTY LINE ADJUSTMENTS ARE PROPOSED, NEW BOUNDARY WALLS ARE PROPOSED TO MATCH EXISTING UNLESS OTHERWISE DETERMINED IN CONSULTATION WITH THE LANDOWNER.

Disclaimer
 a. © National Transport Authority (NTA) 2022. 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 for use 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 2022/OSI_NMA_180 National Transport Authority. All elevations are in metres and relate to OS 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.



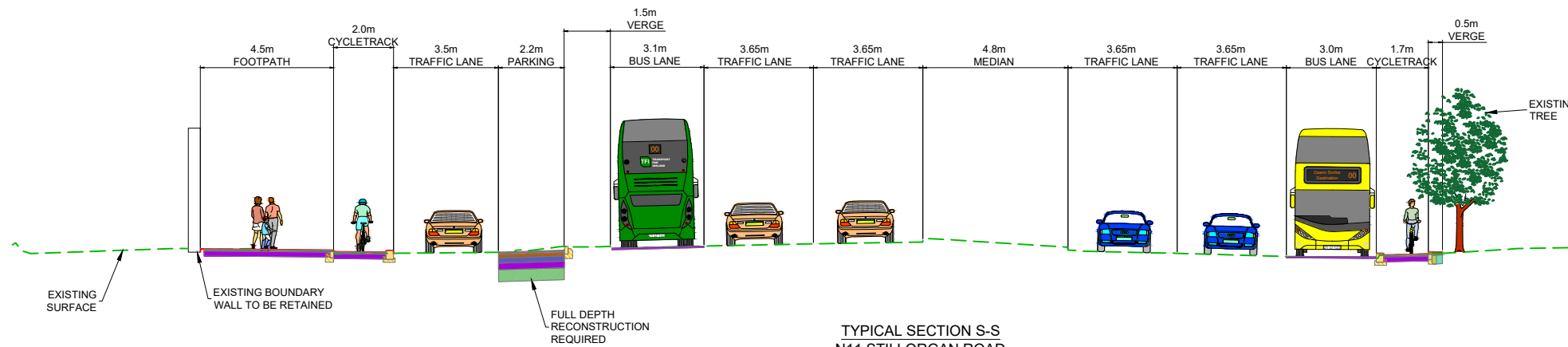
Rev	Date	Dm	Chk'd	App'd	Description
M01	08/05/2023	RB	EC	RS	ISSUE FOR PHASE 4: PLANNING

 Údarás Náisiúnta Iompair National Transport Authority		Engineering Designer 		
Date	Scale	Drawn	Checked	Approved
08/05/2023	1:50 @ A1 1:100 @ A3	RB	EC	RS
Project Code	Originator Code	QMS Code		
BCIDB	JAC			

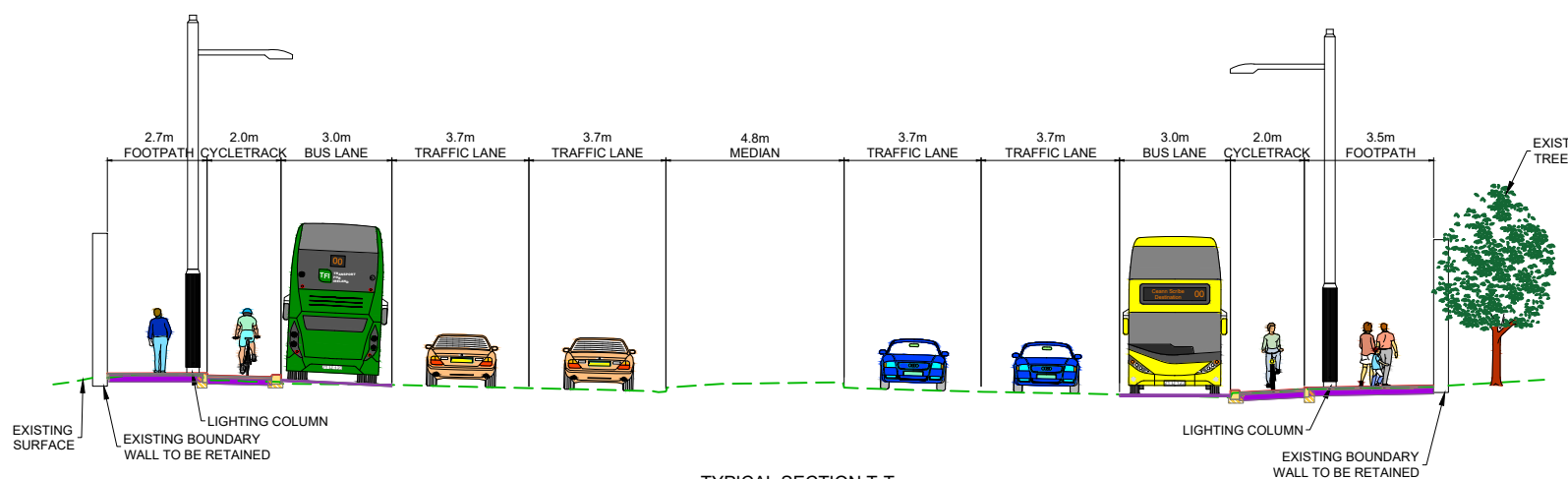
Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title BRAY TO CITY CENTRE CORE BUS CORRIDOR SCHEME TYPICAL CROSS SECTIONS			
Drawing File Name	Sheet Number	Status	Rev
BCIDB-JAC-GEO_CS-0013_XX_00-DR-CR-0011	11 of 22	A	M01

DO NOT SCALE USE FIGURED DIMENSIONS ONLY

C:\pwworking\jacobs_uk_highways_ssd\jgint_bov\2d\148200\BCIDB-JAC-GEO_CS-0013_XX_00-DR-CR-0001.dwg



TYPICAL SECTION S-S
 N11 STILLORGAN ROAD
 LOCATED ON GA SHEET 24
 DRAWING REF NO. BCIDB-JAC-GEO_GA-0013_XX_00-DR-CR-0024
 SCALE 1:100



TYPICAL SECTION T-T
 N11 STILLORGAN ROAD
 LOCATED ON GA SHEET 25
 DRAWING REF NO. BCIDB-JAC-GEO_GA-0013_XX_00-DR-CR-0025
 SCALE 1:100

- NOTES:**
- ADDITIONAL PROPOSED SCHEME INFORMATION IS AVAILABLE ON THE DRAWING SERIES PROVIDED WITHIN VOLUME III OF THE ENVIRONMENTAL IMPACT ASSESSMENT REPORT (EIAR).
 - WHERE PROPERTY LINE ADJUSTMENTS ARE PROPOSED, NEW BOUNDARY WALLS ARE PROPOSED TO MATCH EXISTING UNLESS OTHERWISE DETERMINED IN CONSULTATION WITH THE LANDOWNER.

Disclaimer

a. © National Transport Authority (NTA) 2022. 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 2022/OSI/NMA_180 National Transport Authority. All elevations are in metres and relate to OS 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.

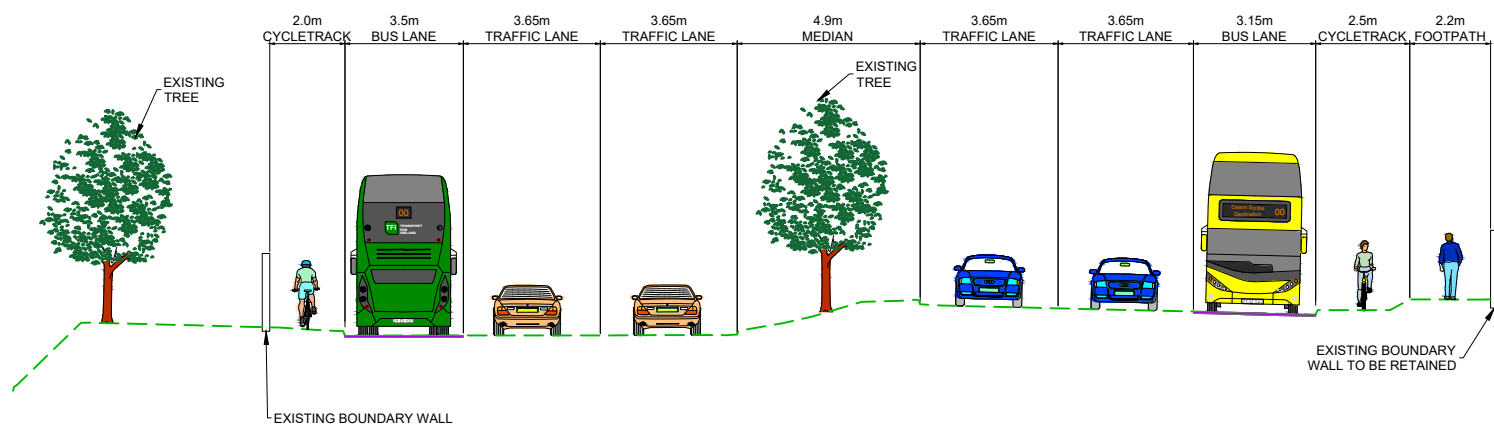


Rev	Date	Dm	Chk'd	App'd	Description
M01	08/05/2023	RB	EC	RS	ISSUE FOR PHASE 4: PLANNING

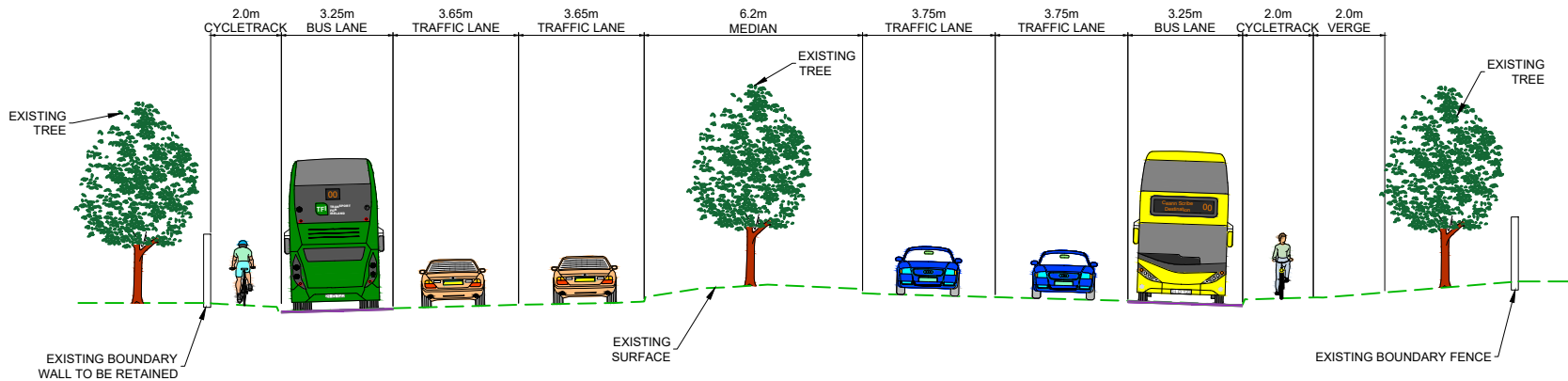
		Engineering Designer 		
Date	Scale	Drawn	Checked	Approved
08/05/2023	1:50 @ A1 1:100 @ A3	RB	EC	RS
Project Code	Originator Code	QMS Code		
BCIDB	JAC			

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title BRAY TO CITY CENTRE CORE BUS CORRIDOR SCHEME TYPICAL CROSS SECTIONS			
Drawing File Name	Sheet Number	Status	Rev
BCIDB-JAC-GEO_CS-0013_XX_00-DR-CR-0012	12 of 22	A	M01

DO NOT SCALE USE FIGURED DIMENSIONS ONLY



TYPICAL SECTION U-U
 N11 STILLORGAN ROAD
 LOCATED ON GA SHEET 28
 DRAWING REF NO. BCIDB-JAC-GEO_GA-0013_XX_00-DR-CR-0028
 SCALE 1:100



TYPICAL SECTION V-V
 N11 STILLORGAN ROAD
 LOCATED ON GA SHEET 29
 DRAWING REF NO. BCIDB-JAC-GEO_GA-0013_XX_00-DR-CR-0029
 SCALE 1:100

- NOTES:**
- ADDITIONAL PROPOSED SCHEME INFORMATION IS AVAILABLE ON THE DRAWING SERIES PROVIDED WITHIN VOLUME III OF THE ENVIRONMENTAL IMPACT ASSESSMENT REPORT (EIA).
 - WHERE PROPERTY LINE ADJUSTMENTS ARE PROPOSED, NEW BOUNDARY WALLS ARE PROPOSED TO MATCH EXISTING UNLESS OTHERWISE DETERMINED IN CONSULTATION WITH THE LANDOWNER.

Disclaimer

a. © National Transport Authority (NTA) 2022. 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 for use 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 2022/OSI/NMA_180 National Transport Authority. All elevations are in metres and relate to OS 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.



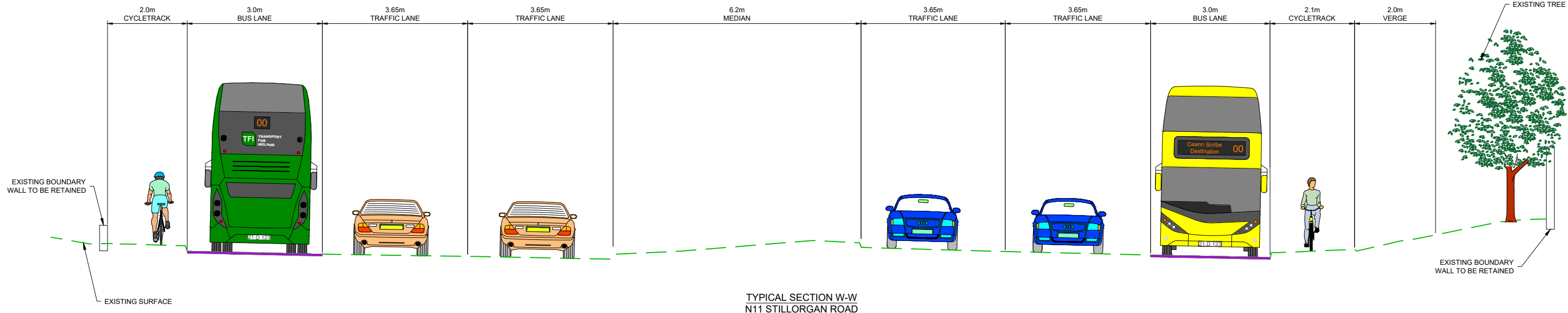
Rev	Date	Drn	Chk'd	App'd	Description
M01	08/05/2023	RB	EC	RS	ISSUE FOR PHASE 4: PLANNING

Date	Scale	Drawn	Checked	Approved
08/05/2023	1:50 @ A1 1:100 @ A3	RB	EC	RS
Project Code	Originator Code	QMS Code		
BCIDB	JAC			

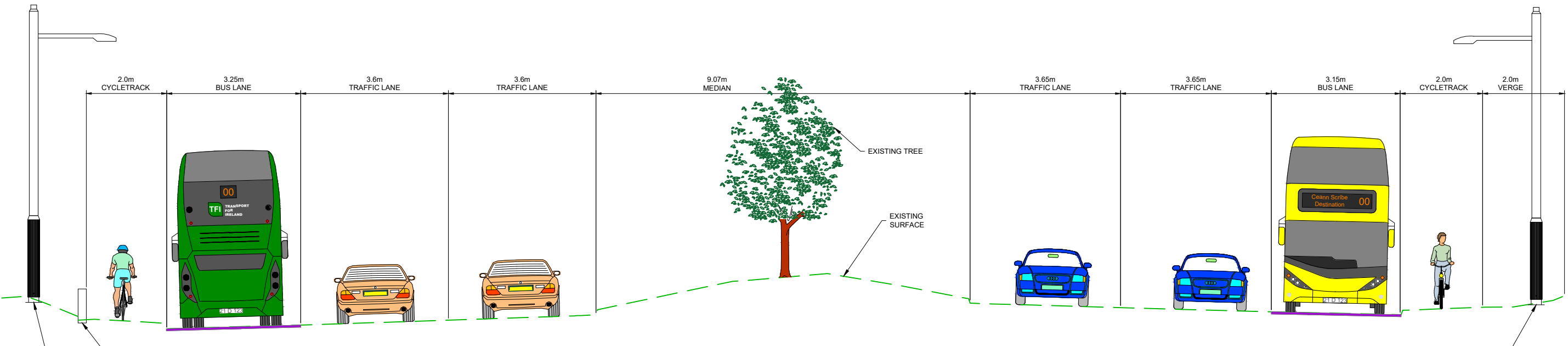
Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title BRAY TO CITY CENTRE CORE BUS CORRIDOR SCHEME TYPICAL CROSS SECTIONS			
Drawing File Name	Sheet Number	Status	Rev
BCIDB-JAC-GEO_CS-0013_XX_00-DR-CR-0013	13 of 22	A	M01

DO NOT SCALE USE FIGURED DIMENSIONS ONLY

C:\pwworking\jacobs_uk_highways_ssd\jgintl_bovrd\2d\148200\BCIDB-JAC-GEO_CS-0013_XX_00-DR-CR-0001.dwg



TYPICAL SECTION W-W
N11 STILLORGAN ROAD
LOCATED ON GA SHEET 30
DRAWING REF NO. BCIDB-JAC-GEO_GA-0013_XX_00-DR-CR-0030



TYPICAL SECTION X-X
N11 BRAY ROAD
LOCATED ON GA SHEET 32
DRAWING REF NO. BCIDB-JAC-GEO_GA-0013_XX_00-DR-CR-0032

- NOTES:**
- ADDITIONAL PROPOSED SCHEME INFORMATION IS AVAILABLE ON THE DRAWING SERIES PROVIDED WITHIN VOLUME III OF THE ENVIRONMENTAL IMPACT ASSESSMENT REPORT (EIAR).
 - WHERE PROPERTY LINE ADJUSTMENTS ARE PROPOSED, NEW BOUNDARY WALLS ARE PROPOSED TO MATCH EXISTING UNLESS OTHERWISE DETERMINED IN CONSULTATION WITH THE LANDOWNER.

Disclaimer
 a. © National Transport Authority (NTA) 2022. 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 for use 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 2022/OSI_NMA_180 National Transport Authority. All elevations are in metres and relate to OS 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	Dm	Chk'd	App'd	Description
M01	08/05/2023	RB	EC	RS	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **Jacobs**

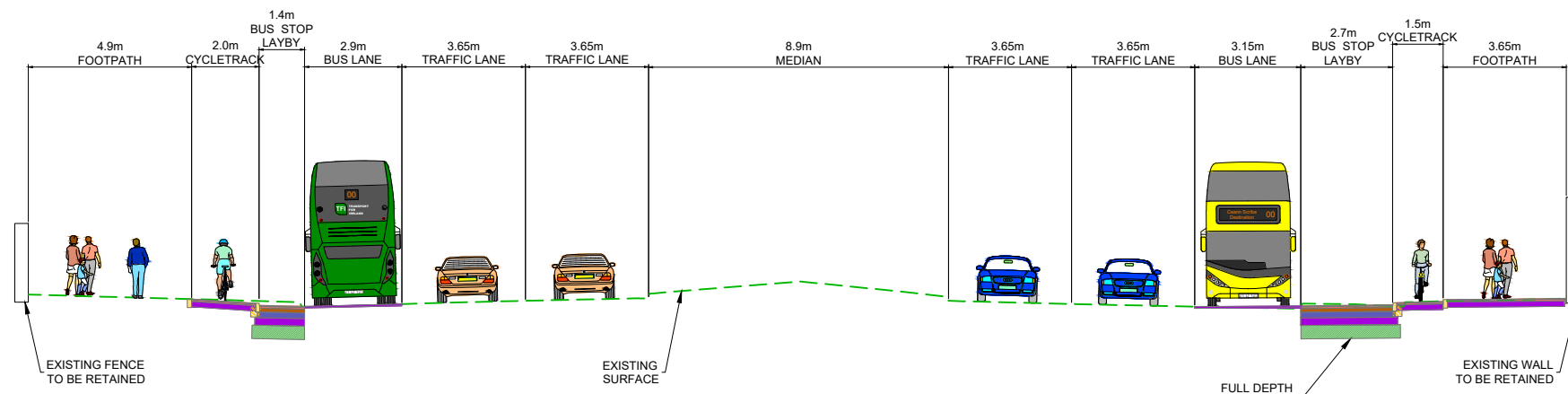
Date: 08/05/2023 Scale: 1:50 @ A1, 1:100 @ A3
 Drawn: RB, Checked: EC, Approved: RS

Project Code: BCIDB, Originator Code: JAC, QMS Code:

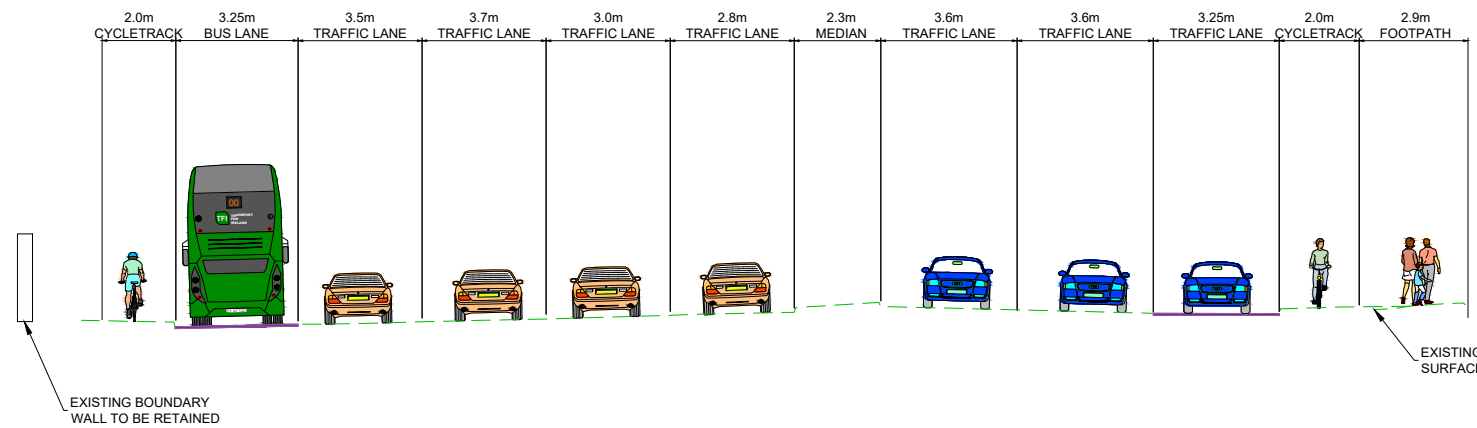
Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title BRAY TO CITY CENTRE CORE BUS CORRIDOR SCHEME TYPICAL CROSS SECTIONS			
Drawing File Name BCIDB-JAC-GEO_CS-0013_XX_00-DR-CR-0014	Sheet Number 14 of 22	Status A	Rev M01

DO NOT SCALE USE FIGURED DIMENSIONS ONLY

C:\pwworking\jacobs_uk_highways_ssd\jgintl_bovrd\2d\148200\BCIDB-JAC-GEO_CS-0013_XX_00-DR-CR-0001.dwg



TYPICAL SECTION Y-Y
 N11 BRAY ROAD
 LOCATED AT GA SHEET 33
 DRAWING REF: BCIDB-JAC-GEO_GA-0013_XX_00-DR-CR-0033
 SCALE 1:100



TYPICAL SECTION Z-Z
 N11 BRAY ROAD
 LOCATED AT GA SHEET 35
 DRAWING REF: BCIDB-JAC-GEO_GA-0013_XX_00-DR-CR-0035
 SCALE 1:100

- NOTES:**
- ADDITIONAL PROPOSED SCHEME INFORMATION IS AVAILABLE ON THE DRAWING SERIES PROVIDED WITHIN VOLUME III OF THE ENVIRONMENTAL IMPACT ASSESSMENT REPORT (EIAR).
 - WHERE PROPERTY LINE ADJUSTMENTS ARE PROPOSED, NEW BOUNDARY WALLS ARE PROPOSED TO MATCH EXISTING UNLESS OTHERWISE DETERMINED IN CONSULTATION WITH THE LANDOWNER.

Disclaimer
 a. © National Transport Authority (NTA) 2022. 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 for use 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 2022/OSI/NMA_160 National Transport Authority. All elevations are in metres and relate to OS 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	Dm	Chk'd	App'd	Description
M01	08/05/2023	RB	EC	RS	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **Jacobs**

Date: 08/05/2023
 Scale: 1:50 @ A1, 1:100 @ A3

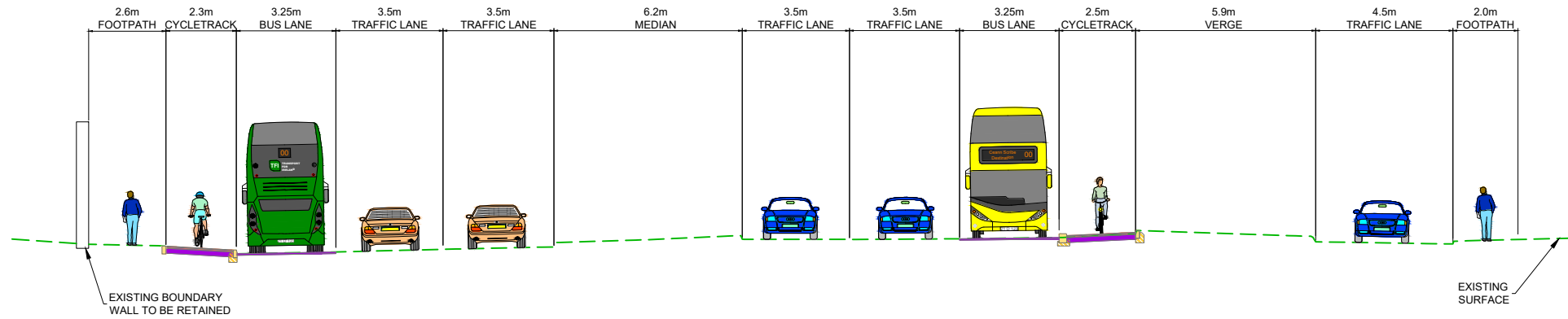
Project Code: BCIDB
 Originator Code: JAC

Drawn: RB
 Checked: EC
 Approved: RS

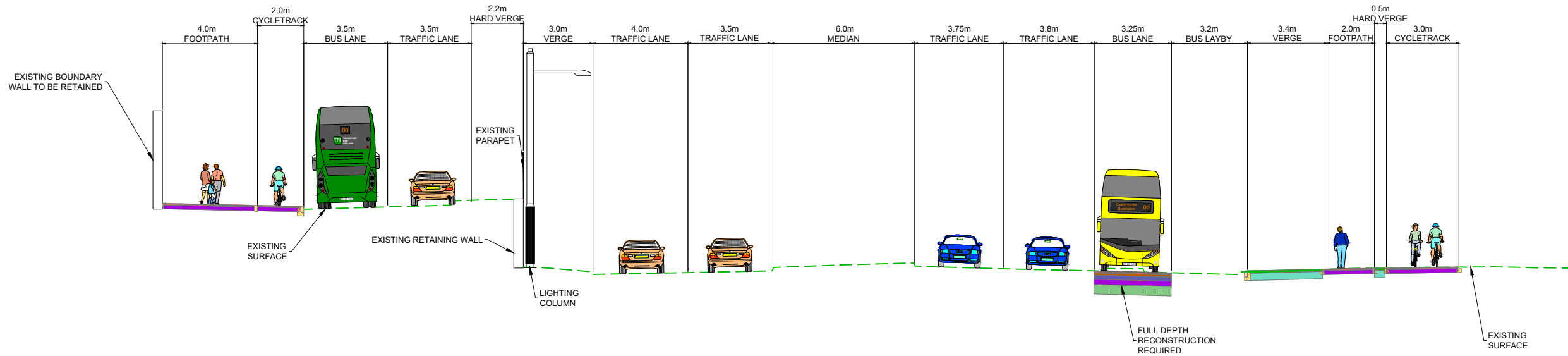
Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title BRAY TO CITY CENTRE CORE BUS CORRIDOR SCHEME TYPICAL CROSS SECTIONS			
Drawing File Name BCIDB-JAC-GEO_CS-0013_XX_00-DR-CR-0015	Sheet Number 15 of 22	Status A	Rev M01

DO NOT SCALE USE FIGURED DIMENSIONS ONLY

C:\pwworking\jacobs_uk_highways_ssd\jgint_bov\2d\148200\BCIDB-JAC-GEO_CS-0013_XX_00-DR-CR-0001.dwg



TYPICAL SECTION AA-AA
 N11 BRAY ROAD
 LOCATED AT GA SHEET 37
 DRAWING REF: BCIDB-JAC-GEO_GA-0013_XX_00-DR-CR-0037
 SCALE 1:100



TYPICAL SECTION AB-AB
 N11 BRAY ROAD
 LOCATED AT GA SHEET 38
 DRAWING REF: BCIDB-JAC-GEO_GA-0013_XX_00-DR-CR-0038
 SCALE 1:100

- NOTES:**
- ADDITIONAL PROPOSED SCHEME INFORMATION IS AVAILABLE ON THE DRAWING SERIES PROVIDED WITHIN VOLUME III OF THE ENVIRONMENTAL IMPACT ASSESSMENT REPORT (EIAR).
 - WHERE PROPERTY LINE ADJUSTMENTS ARE PROPOSED, NEW BOUNDARY WALLS ARE PROPOSED TO MATCH EXISTING UNLESS OTHERWISE DETERMINED IN CONSULTATION WITH THE LANDOWNER.

Disclaimer

a. © National Transport Authority (NTA) 2022. 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 2022/OSI_NMA_160 National Transport Authority. All elevations are in metres and relate to OS 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 as appropriate 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	Dm	Chk'd	App'd	Description
M01	08/05/2023	RB	EC	RS	ISSUE FOR PHASE 4: PLANNING

Client

Údarás Náisiúnta Iompair
National Transport Authority

Date: 08/05/2023
Scale: 1:100 @ A1, 1:200 @ A3

Project Code: BCIDB
Originator Code: JAC

Engineering Designer

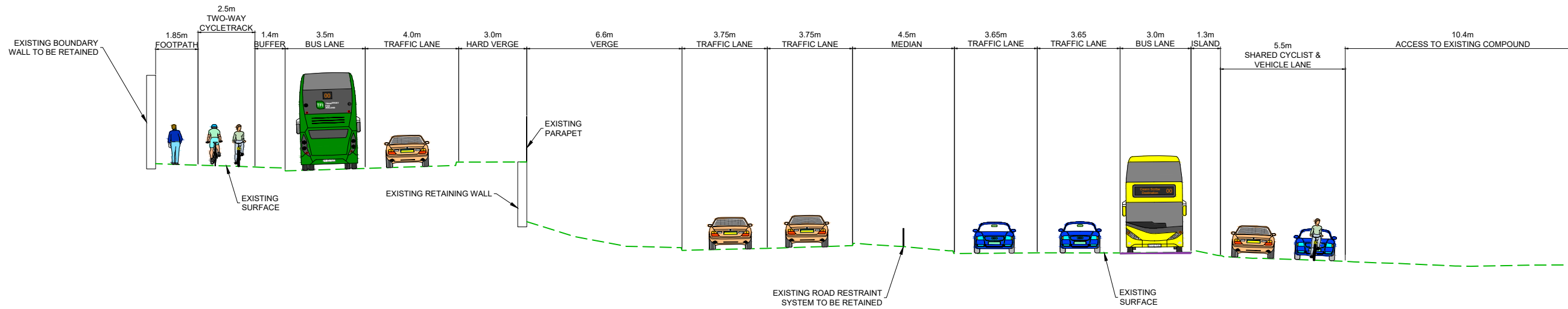
Drawn: RB
Checked: EC
Approved: RS

QMS Code

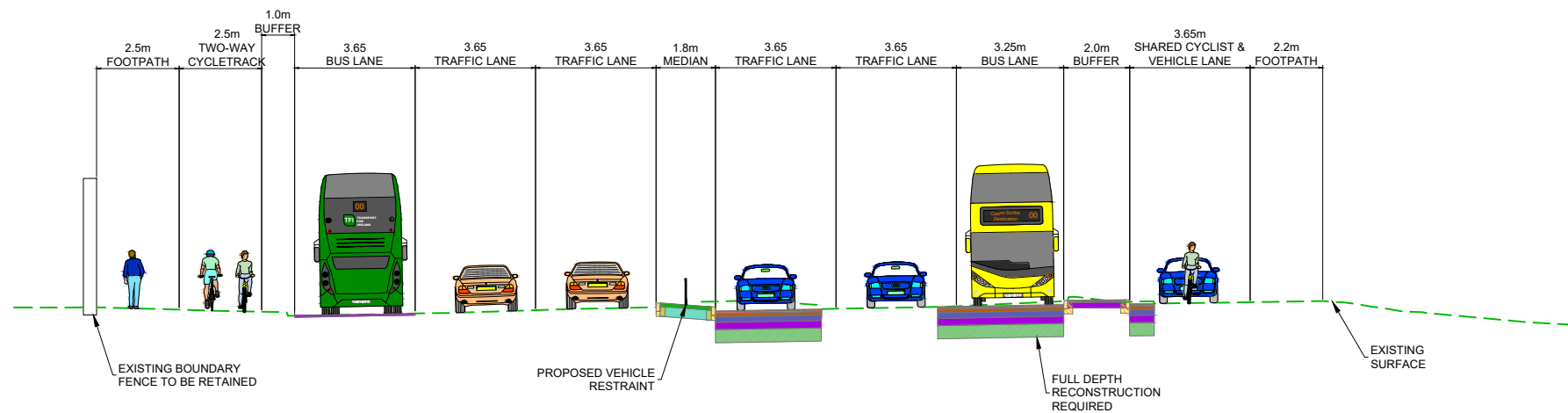
Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title BRAY TO CITY CENTRE CORE BUS CORRIDOR SCHEME TYPICAL CROSS SECTIONS			
Drawing File Name BCIDB-JAC-GEO_CS-0013_XX_00-DR-CR-0016	Sheet Number 16 of 22	Status A	Rev M01

DO NOT SCALE USE FIGURED DIMENSIONS ONLY

C:\pwworking\jacobs_uk_highways_ssd\jgintl_bovrd\2d\148200\BCIDB-JAC-GEO_CS-0013_XX_00-DR-CR-0016.dwg



TYPICAL SECTION AC-AC
N11 BRAY ROAD
LOCATED AT GA SHEET 38
DRAWING REF: BCIDB-JAC-GEO GA-0013 XX 00-DR-CR-0038
SCALE 1:100



TYPICAL SECTION AD-AD
N11 BRAY ROAD
LOCATED AT GA SHEET 39
DRAWING REF: BCIDB-JAC-GEO GA-0013 XX 00-DR-CR-0039
SCALE 1:100

NOTES:

- ADDITIONAL PROPOSED SCHEME INFORMATION IS AVAILABLE ON THE DRAWING SERIES PROVIDED WITHIN VOLUME III OF THE ENVIRONMENTAL IMPACT ASSESSMENT REPORT (EIAR).
- WHERE PROPERTY LINE ADJUSTMENTS ARE PROPOSED, NEW BOUNDARY WALLS ARE PROPOSED TO MATCH EXISTING UNLESS OTHERWISE DETERMINED IN CONSULTATION WITH THE LANDOWNER.

Disclaimer

a. © National Transport Authority (NTA) 2022. 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 for use 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 2022/OSI_NMA_160 National Transport Authority. All elevations are in metres and relate to OS 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	Dm	Chk'd	App'd	Description
M01	08/05/2023	RB	EC	RS	ISSUE FOR PHASE 4: PLANNING

Client

Ódarás Náisiúnta Iompair
National Transport Authority

Date: 08/05/2023
Scale: 1:100 @ A1, 1:200 @ A3

Project Code: BCIDB
Originator Code: JAC

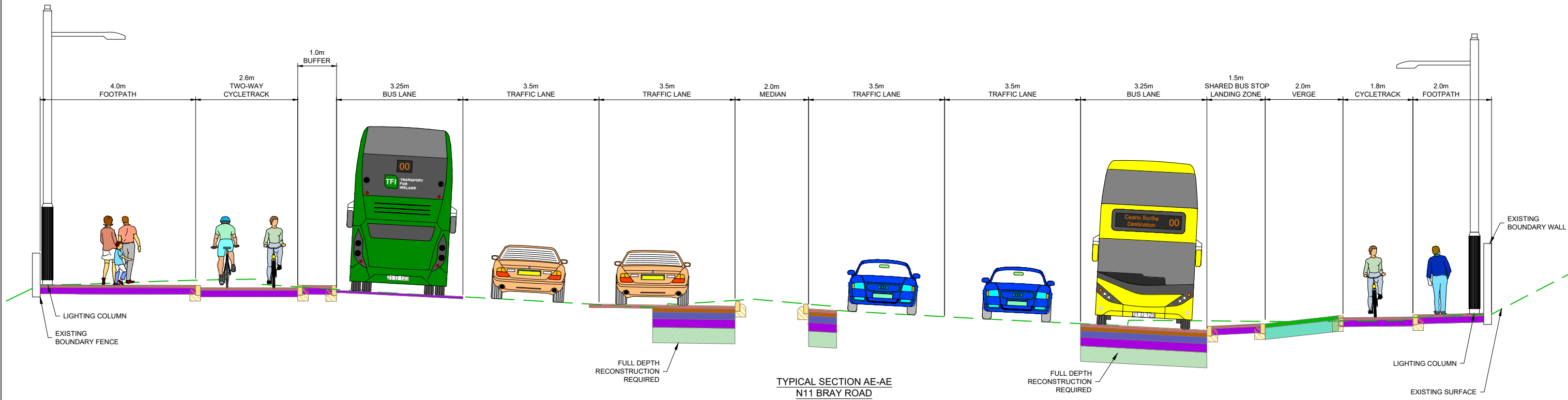
Engineering Designer

Drawn: RB
Checked: EC
Approved: RS

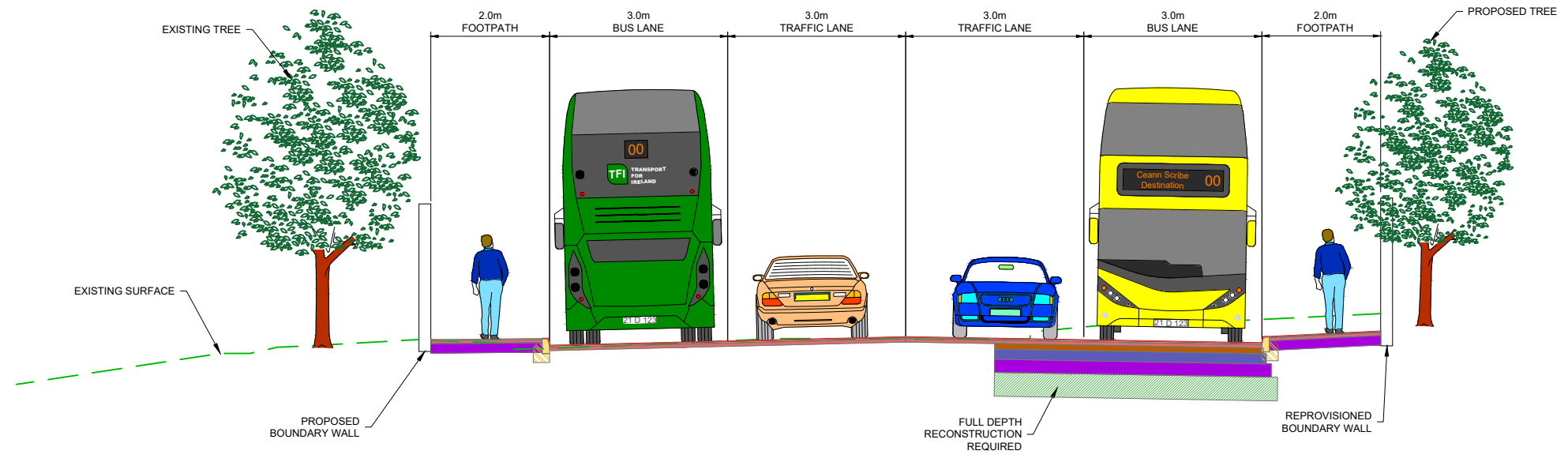
Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title BRAY TO CITY CENTRE CORE BUS CORRIDOR SCHEME TYPICAL CROSS SECTIONS			
Drawing File Name BCIDB-JAC-GEO_CS-0013_XX_00-DR-CR-0017	Sheet Number 17 of 22	Status A	Rev M01

DO NOT SCALE USE FIGURED DIMENSIONS ONLY

C:\pwworking\jacobs_uk_highways_ssd\jgintl_bov\2d\142001\BCIDB-JAC-GEO_CS-0013_XX_00-DR-CR-0016.dwg



TYPICAL SECTION AE-AE
N11 BRAY ROAD
LOCATED AT GA SHEET 40
DRAWING REF: BCIDB-JAC-GEO_GA-0013_XX_00-DR-CR-0040



TYPICAL SECTION AF-AF
R837 DUBLIN ROAD
LOCATED AT GA SHEET 41
DRAWING REF: BCIDB-JAC-GEO_GA-0013_XX_00-DR-CR-0041

- NOTES:**
- ADDITIONAL PROPOSED SCHEME INFORMATION IS AVAILABLE ON THE DRAWING SERIES PROVIDED WITHIN VOLUME III OF THE ENVIRONMENTAL IMPACT ASSESSMENT REPORT (EIA).
 - WHERE PROPERTY LINE ADJUSTMENTS ARE PROPOSED, NEW BOUNDARY WALLS ARE PROPOSED TO MATCH EXISTING UNLESS OTHERWISE DETERMINED IN CONSULTATION WITH THE LANDOWNER.

Disclaimer
 a. © National Transport Authority (NTA) 2022. 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 for use 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 2022/OSI_NMA_160 National Transport Authority. All elevations are in metres and relate to OS 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 appropriate 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.



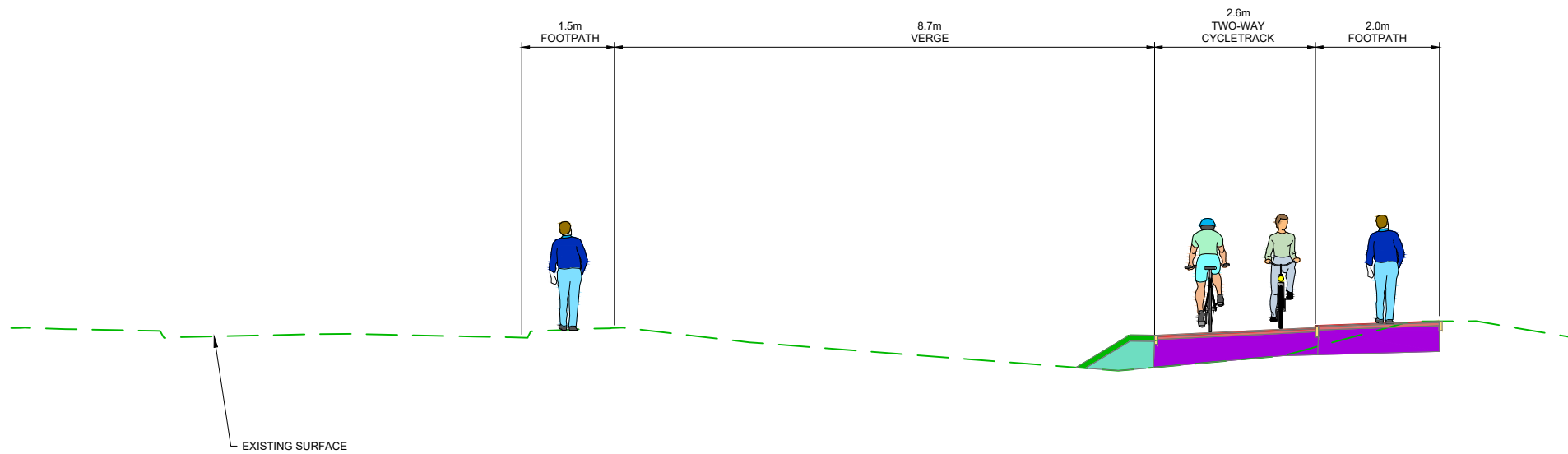
Rev	Date	Dm	Chk'd	App'd	Description
M01	08/05/2023	RB	EC	RS	ISSUE FOR PHASE 4: PLANNING

		Engineering Designer 		
Date	Scale	Drawn	Checked	Approved
08/05/2023	1:100 @ A1 1:200 @ A3	RB	EC	RS
Project Code	Originator Code	QMS Code		
BCIDB	JAC			

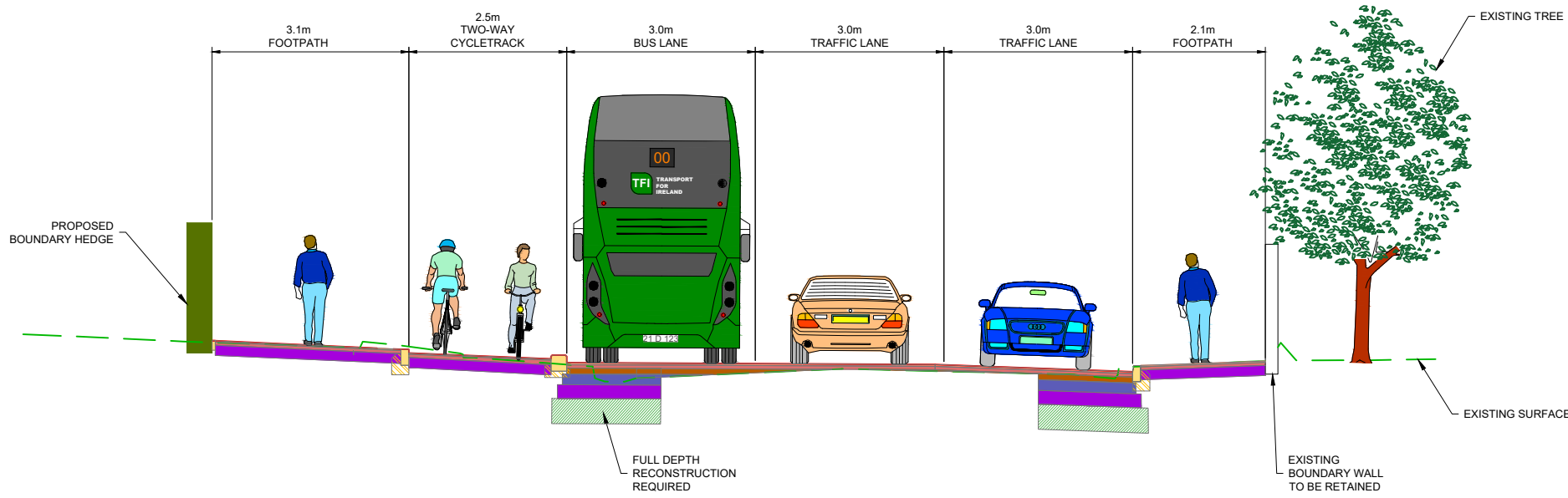
Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title BRAY TO CITY CENTRE CORE BUS CORRIDOR SCHEME TYPICAL CROSS SECTIONS			
Drawing File Name	Sheet Number	Status	Rev
BCIDB-JAC-GEO_CS-0013_XX_00-DR-CR-0018	18 of 22	A	M01

DO NOT SCALE USE FIGURED DIMENSIONS ONLY

C:\pwworking\jacobs_uk_highways_ssd\jgintl_bov\2d\148200\BCIDB-JAC-GEO_CS-0013_XX_00-DR-CR-0016.dwg



**TYPICAL SECTION AG-AG
STONEBRIDGE ROAD**
LOCATED AT GA SHEET 53
DRAWING REF: BCIDB-JAC-GEO_GA-0013_XX_00-DR-CR-0053



**TYPICAL SECTION AH-AH
DUBLIN ROAD**
LOCATED AT GA SHEET 43
DRAWING REF: BCIDB-JAC-GEO_GA-0013_XX_00-DR-CR-0043

- NOTES:**
- ADDITIONAL PROPOSED SCHEME INFORMATION IS AVAILABLE ON THE DRAWING SERIES PROVIDED WITHIN VOLUME III OF THE ENVIRONMENTAL IMPACT ASSESSMENT REPORT (EIA).
 - WHERE PROPERTY LINE ADJUSTMENTS ARE PROPOSED, NEW BOUNDARY WALLS ARE PROPOSED TO MATCH EXISTING UNLESS OTHERWISE DETERMINED IN CONSULTATION WITH THE LANDOWNER.

C:\pwworking\jacobs_uk_highways_ssd\jgintl_bovard\2d\148200\BCIDB-JAC-GEO_CS-0013_XX_00-DR-CR-0016.dwg

Disclaimer

a. © National Transport Authority (NTA) 2022. 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 2022/OSI_NMA_180 National Transport Authority. All elevations are in metres and relate to OS 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.

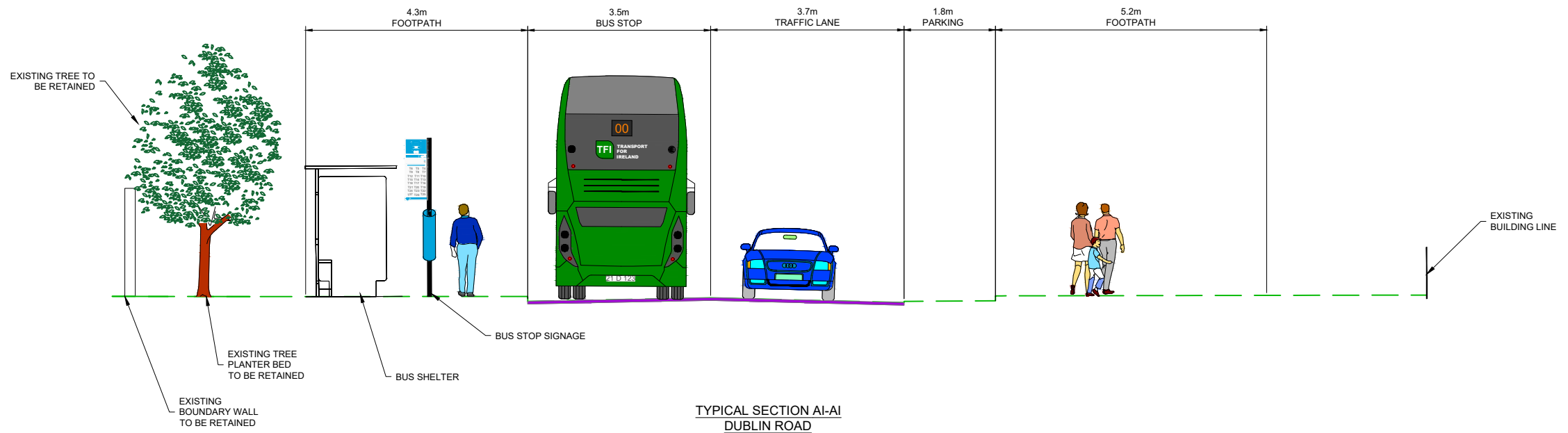


Rev	Date	Dm	Chk'd	App'd	Description
M01	08/05/2023	RB	EC	RS	ISSUE FOR PHASE 4: PLANNING

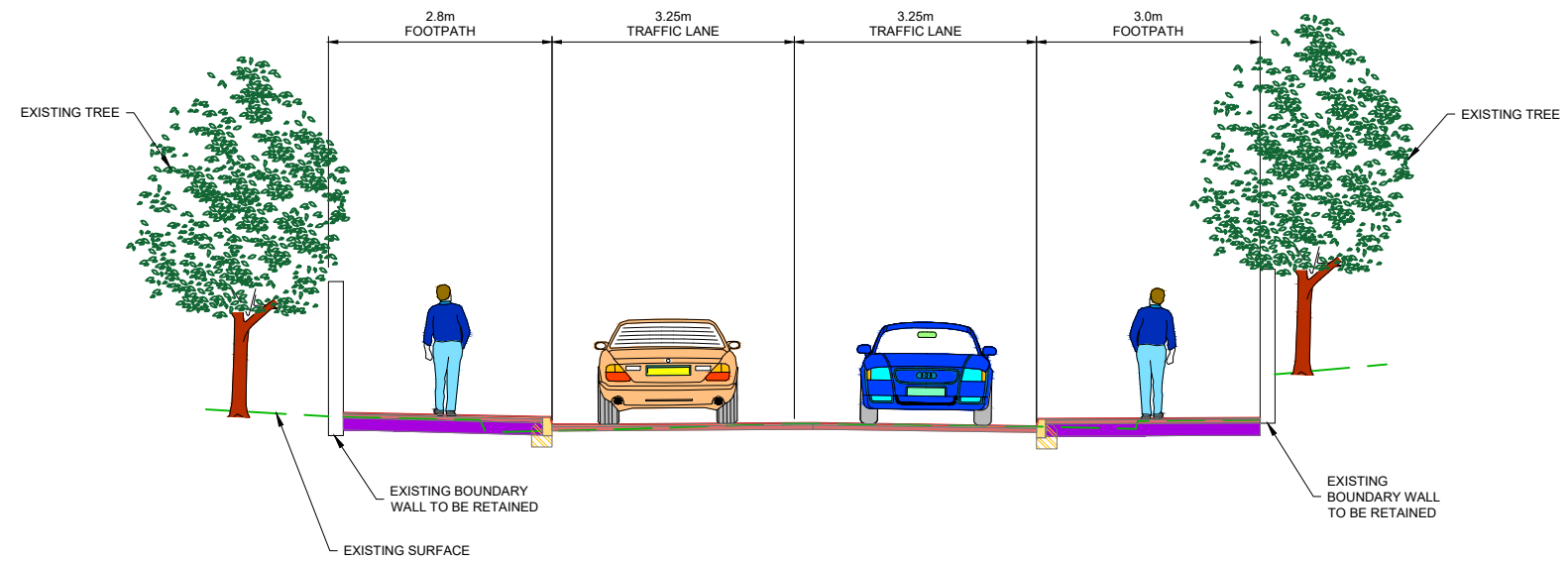
 Údarás Náisiúnta Iompair National Transport Authority		Engineering Designer 		
Date	Scale	Drawn	Checked	Approved
08/05/2023	1:100 @ A1 1:200 @ A3	RB	EC	RS
Project Code	Originator Code	OMS Code		
BCIDB	JAC			

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title BRAY TO CITY CENTRE CORE BUS CORRIDOR SCHEME TYPICAL CROSS SECTIONS			
Drawing File Name	Sheet Number	Status	Rev
BCIDB-JAC-GEO_CS-0013_XX_00-DR-CR-0019	19 of 22	A	M01

DO NOT SCALE USE FIGURED DIMENSIONS ONLY



TYPICAL SECTION AI-AI
DUBLIN ROAD
LOCATED AT GA SHEET 44
DRAWING REF: BCIDB-JAC-GEO_GA-0013_XX_00-DR-CR-0044



TYPICAL SECTION AJ-AJ
DUBLIN ROAD
LOCATED AT GA SHEET 45
DRAWING REF: BCIDB-JAC-GEO_GA-0013_XX_00-DR-CR-0045

- NOTES:**
- ADDITIONAL PROPOSED SCHEME INFORMATION IS AVAILABLE ON THE DRAWING SERIES PROVIDED WITHIN VOLUME III OF THE ENVIRONMENTAL IMPACT ASSESSMENT REPORT (EIA).
 - WHERE PROPERTY LINE ADJUSTMENTS ARE PROPOSED, NEW BOUNDARY WALLS ARE PROPOSED TO MATCH EXISTING UNLESS OTHERWISE DETERMINED IN CONSULTATION WITH THE LANDOWNER.

Disclaimer

a. © National Transport Authority (NTA) 2022. 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 for use 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 2022/OSI_NMA_180 National Transport Authority. All elevations are in metres and relate to OS 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.



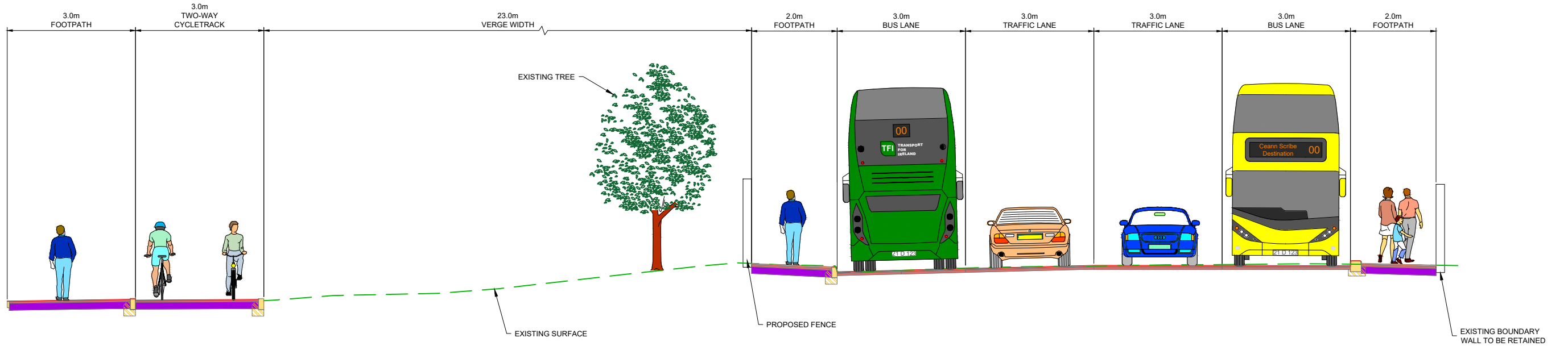
Rev	Date	Dm	Chk'd	App'd	Description
M01	08/05/2023	RB	EC	RS	ISSUE FOR PHASE 4: PLANNING

		Engineering Designer 		
Date	Scale	Drawn	Checked	Approved
08/05/2023	1:100 @ A1 1:200 @ A3	RB	EC	RS
Project Code	Originator Code	QMS Code		
BCIDB	JAC			

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title BRAY TO CITY CENTRE CORE BUS CORRIDOR SCHEME TYPICAL CROSS SECTIONS			
Drawing File Name	Sheet Number	Status	Rev
BCIDB-JAC-GEO_CS-0013_XX_00-DR-CR-0020	20 of 22	A	M01

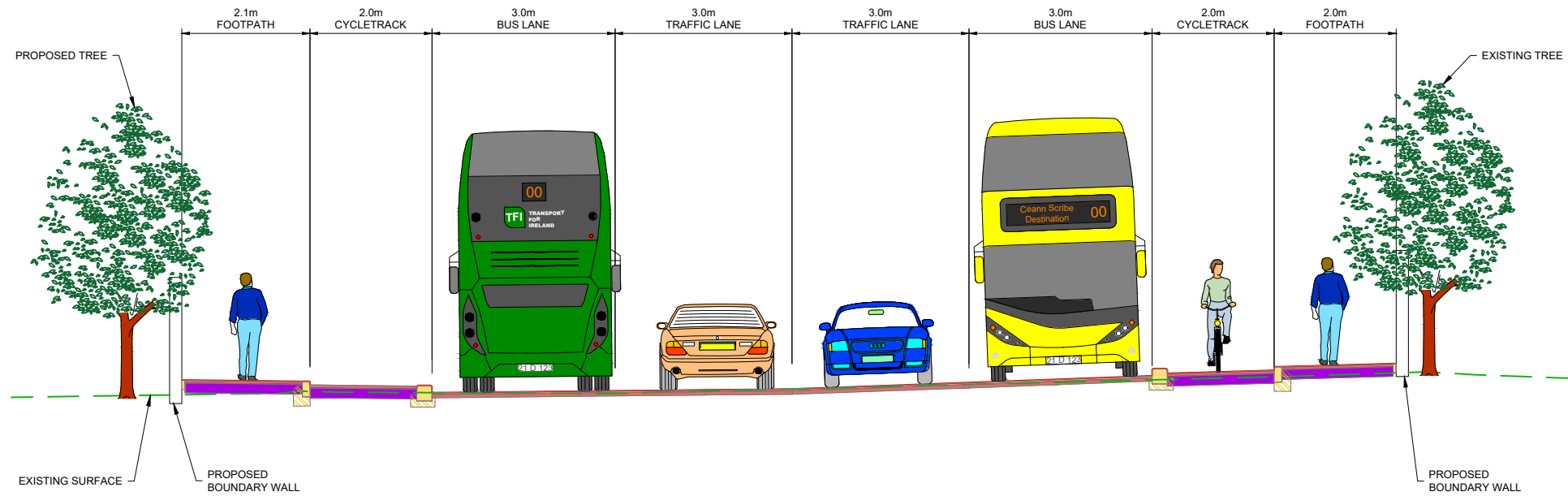
DO NOT SCALE USE FIGURED DIMENSIONS ONLY

C:\pwworking\jacobs_uk_highways_ssd\jgintl_bovrd\2d\148200\BCIDB-JAC-GEO_CS-0013_XX_00-DR-CR-0016.dwg



TYPICAL SECTION AK-AK
DUBLIN ROAD

LOCATED AT GA SHEET 47
DRAWING REF: BCIDB-JAC-GEO_GA-0013_XX_00-DR-CR-0047



TYPICAL SECTION AL-AL
DUBLIN ROAD

LOCATED AT GA SHEET 48
DRAWING REF: BCIDB-JAC-GEO_GA-0013_XX_00-DR-CR-0048

- NOTES:**
- ADDITIONAL PROPOSED SCHEME INFORMATION IS AVAILABLE ON THE DRAWING SERIES PROVIDED WITHIN VOLUME III OF THE ENVIRONMENTAL IMPACT ASSESSMENT REPORT (EIA).
 - WHERE PROPERTY LINE ADJUSTMENTS ARE PROPOSED, NEW BOUNDARY WALLS ARE PROPOSED TO MATCH EXISTING UNLESS OTHERWISE DETERMINED IN CONSULTATION WITH THE LANDOWNER.

Disclaimer

a. © National Transport Authority (NTA) 2022. 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 for use 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 2022/OSI_NMA_160 National Transport Authority. All elevations are in metres and relate to OS 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	Dm	Chk'd	App'd	Description
M01	08/05/2023	RB	EC	RS	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **Jacobs**

Date: 08/05/2023 | Scale: 1:100 @ A1, 1:200 @ A3

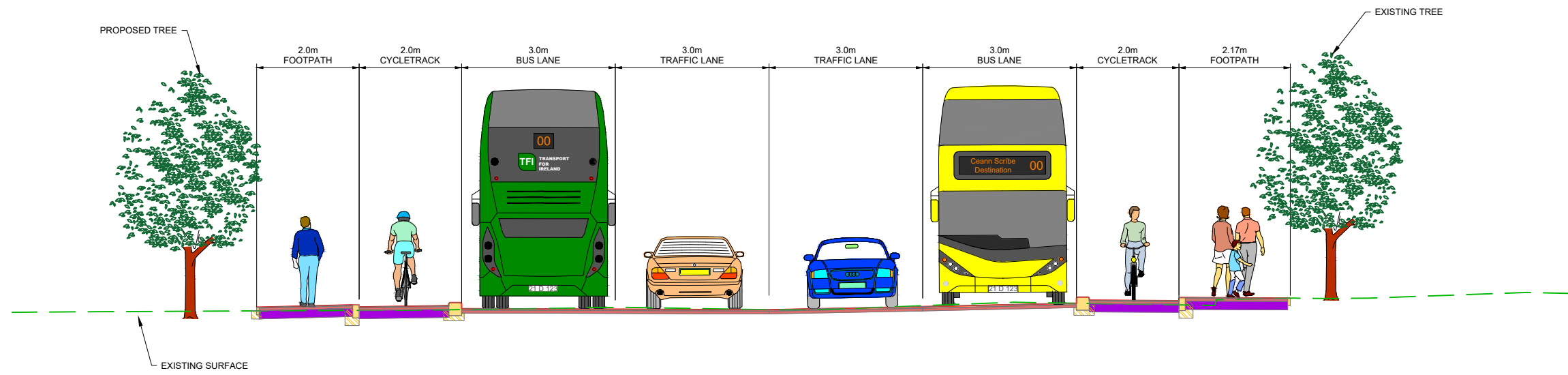
Project Code: BCIDB | Originator Code: JAC

Drawn: RB | Checked: EC | Approved: RS

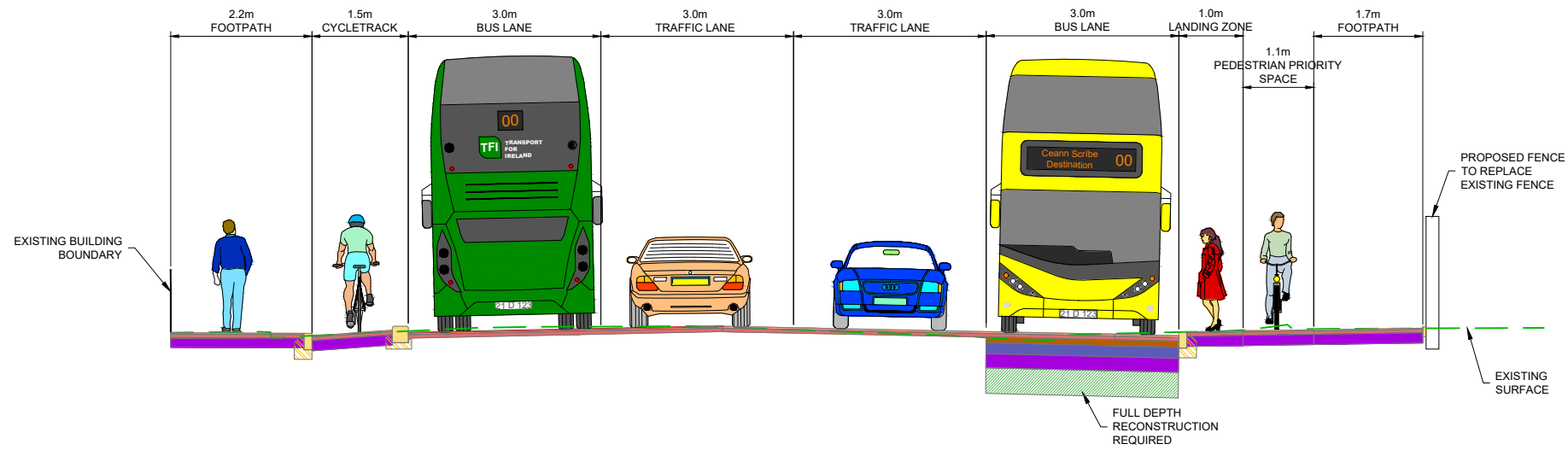
Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title BRAY TO CITY CENTRE CORE BUS CORRIDOR SCHEME TYPICAL CROSS SECTIONS			
Drawing File Name BCIDB-JAC-GEO_CS-0013_XX_00-DR-CR-0021	Sheet Number 21 of 22	Status A	Rev M01

DO NOT SCALE USE FIGURED DIMENSIONS ONLY

C:\pwworking\jacobs_uk_highways_ssd\jgintl_bovrd\2d\148200\BCIDB-JAC-GEO_CS-0013_XX_00-DR-CR-0016.dwg



TYPICAL SECTION AM-AM
DUBLIN ROAD
LOCATED AT GA SHEET 50
DRAWING REF: BCIDB-JAC-GEO_GA-0013_XX_00-DR-CR-0050



TYPICAL SECTION AN-AN
CASTLE STREET
LOCATED AT GA SHEET 52
DRAWING REF: BCIDB-JAC-GEO_GA-0013_XX_00-DR-CR-0052

- NOTES:**
- ADDITIONAL PROPOSED SCHEME INFORMATION IS AVAILABLE ON THE DRAWING SERIES PROVIDED WITHIN VOLUME III OF THE ENVIRONMENTAL IMPACT ASSESSMENT REPORT (EIAR).
 - WHERE PROPERTY LINE ADJUSTMENTS ARE PROPOSED, NEW BOUNDARY WALLS ARE PROPOSED TO MATCH EXISTING UNLESS OTHERWISE DETERMINED IN CONSULTATION WITH THE LANDOWNER.

Disclaimer
 a. © National Transport Authority (NTA) 2022. 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 for use 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 2022/OSI_NMA_180 National Transport Authority. All elevations are in metres and relate to OS 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	Dm	Chk'd	App'd	Description
M01	08/05/2023	RB	EC	RS	ISSUE FOR PHASE 4: PLANNING

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

Engineering Designer: **Jacobs**

Date: 08/05/2023
 Scale: 1:100 @ A1, 1:200 @ A3
 Project Code: BCIDB
 Originator Code: JAC

Drawn: RB
 Checked: EC
 Approved: RS

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title BRAY TO CITY CENTRE CORE BUS CORRIDOR SCHEME TYPICAL CROSS SECTIONS			
Drawing File Name BCIDB-JAC-GEO_CS-0013_XX_00-DR-CR-0022	Sheet Number 22 of 22	Status A	Rev M01

DO NOT SCALE USE FIGURED DIMENSIONS ONLY