

Appendix B4
Typical Cross-sections



BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS

SWORDS TO CITY CENTRE CORE BUS CORRIDOR SCHEME

DRAWING SERIES NUMBER(S)	DRAWING SERIES DESCRIPTION
BCIDB-JAC-GEO_IX-0002_XX_00-DR-CR-0002	SWORDS TO CITY CENTRE CORE BUS CORRIDOR SCHEME. TYPICAL CROSS SECTIONS. COVER SHEET
BCIDB-JAC-GEO_CS-0002_XX_00-DR-CR-0001 to 0020	SWORDS TO CITY CENTRE CORE BUS CORRIDOR SCHEME. TYPICAL CROSS SECTIONS

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Rev	Date	Dn	Chk'd	App'd	Description
M01	06/04/2023	FM	IL	HOS	ISSUE FOR PHASE 4: PLANNING

Client
 Údarás Náisiúnta Iompair National Transport Authority
 Date: 06/04/2023
 Project Code: BCIDB
 Originator Code: JAC

Engineering Designer

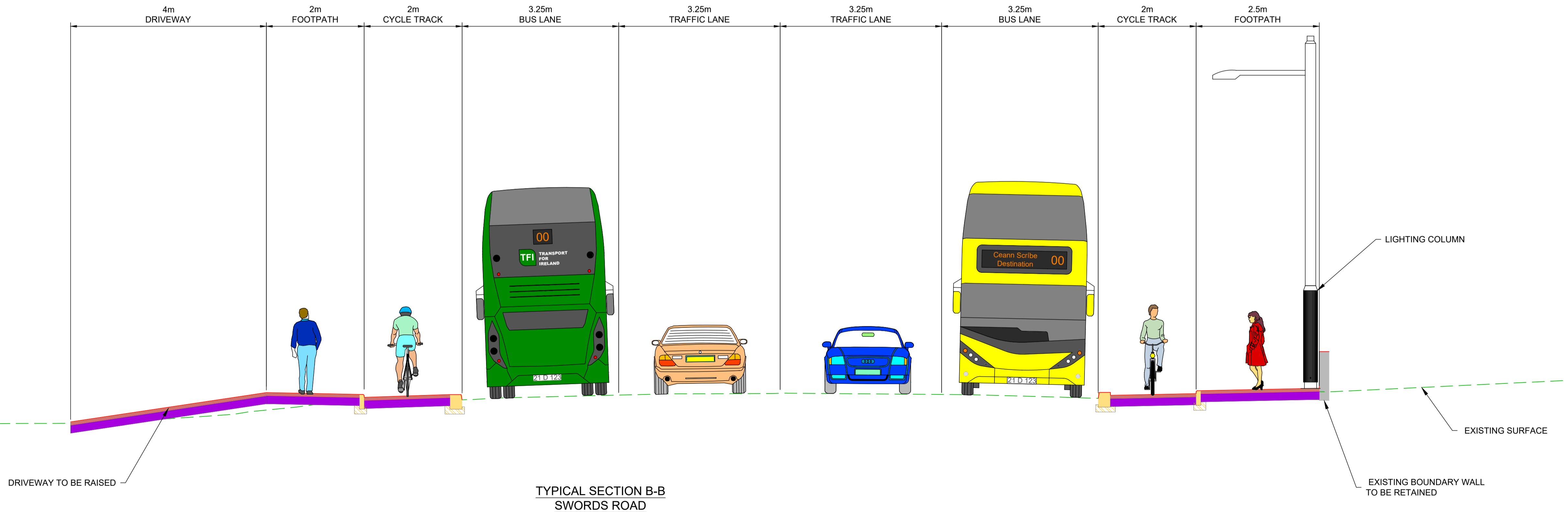
 Drawn: FM
 Checked: IL
 Approved: HOS

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

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TYPICAL SECTION A-A
 SWORDS ROAD
 LOCATED ON GA SHEET 02
 DRAWING REF: BCIDB-JAC-GEO_GA-0002_XX_00-DR-CR-0002



TYPICAL SECTION B-B
 SWORDS ROAD
 LOCATED ON GA SHEET 03
 DRAWING REF: BCIDB-JAC-GEO_GA-0002_XX_00-DR-CR-0003

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Date	Scale	Drawn	Checked	Approved
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Project Code	Originator Code	QMS Code		
BCIDB	JAC			

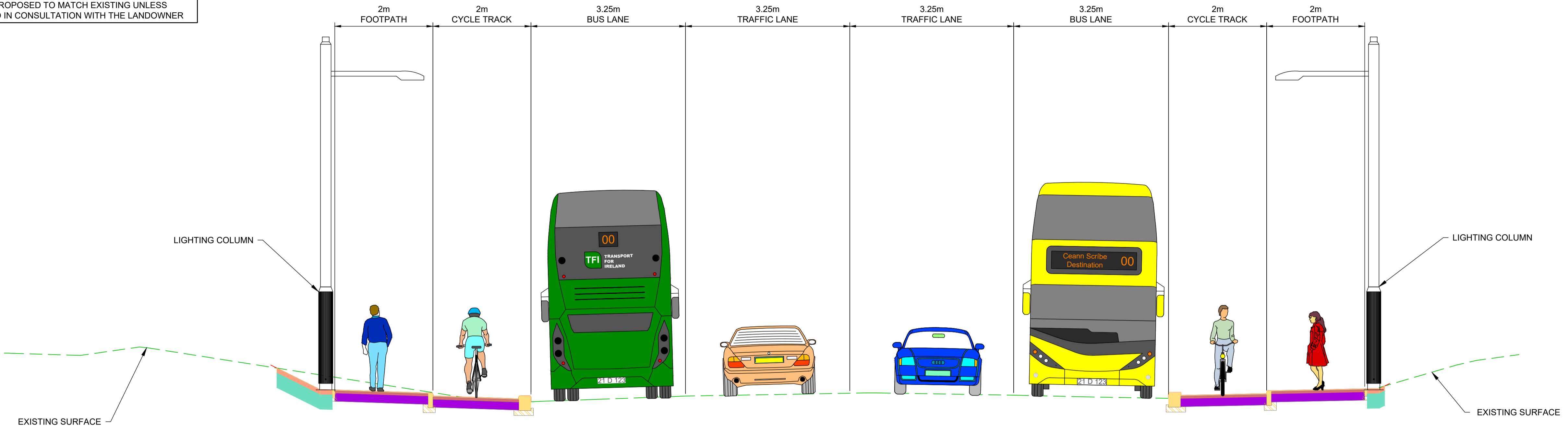
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Drawing Title SWORDS TO CITY CENTRE CORE BUS CORRIDOR SCHEME TYPICAL CROSS SECTIONS			
Drawing File Name	Sheet Number	Status	Rev
BCIDB-JAC-GEO_CS-0002_XX_00-DR-CR-0001	01 of 20	A	M01

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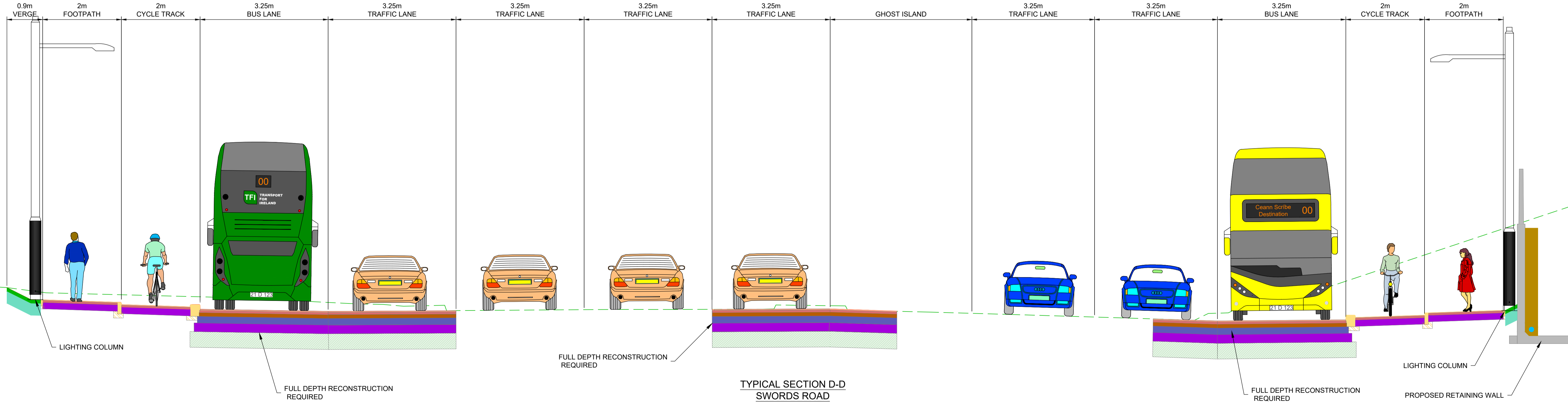
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TYPICAL SECTION C-C
SWORDS ROAD
LOCATED ON GA SHEET 05
DRAWING REF: BCIDB-JAC-GEO_GA-0002_XX_00-DR-CR-0005



TYPICAL SECTION D-D
SWORDS ROAD
LOCATED ON GA SHEET 06
DRAWING REF: BCIDB-JAC-GEO_GA-0002_XX_00-DR-CR-0006

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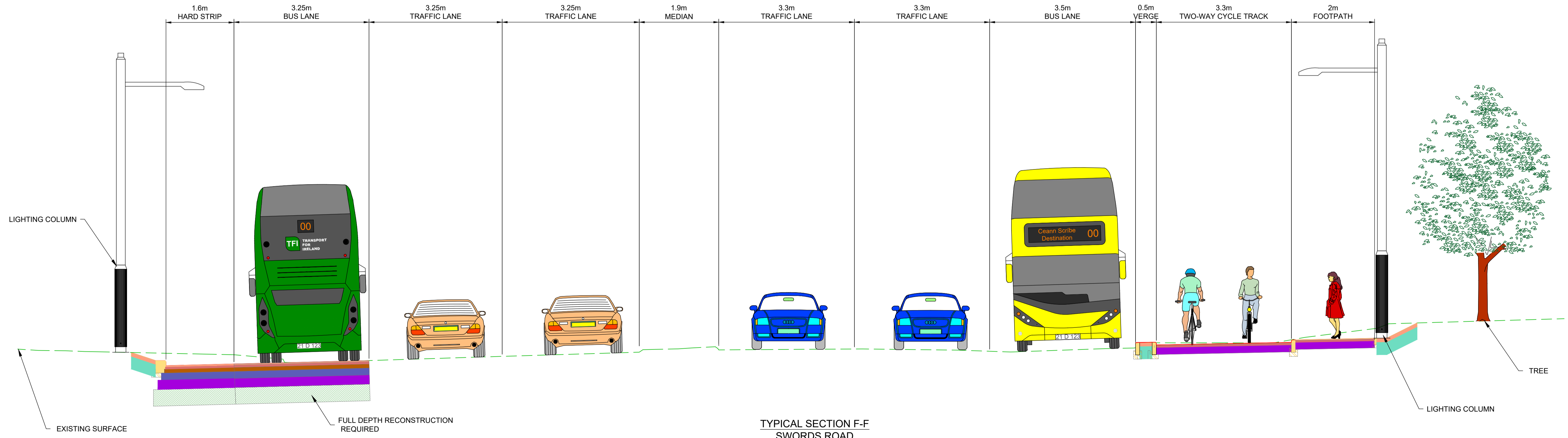
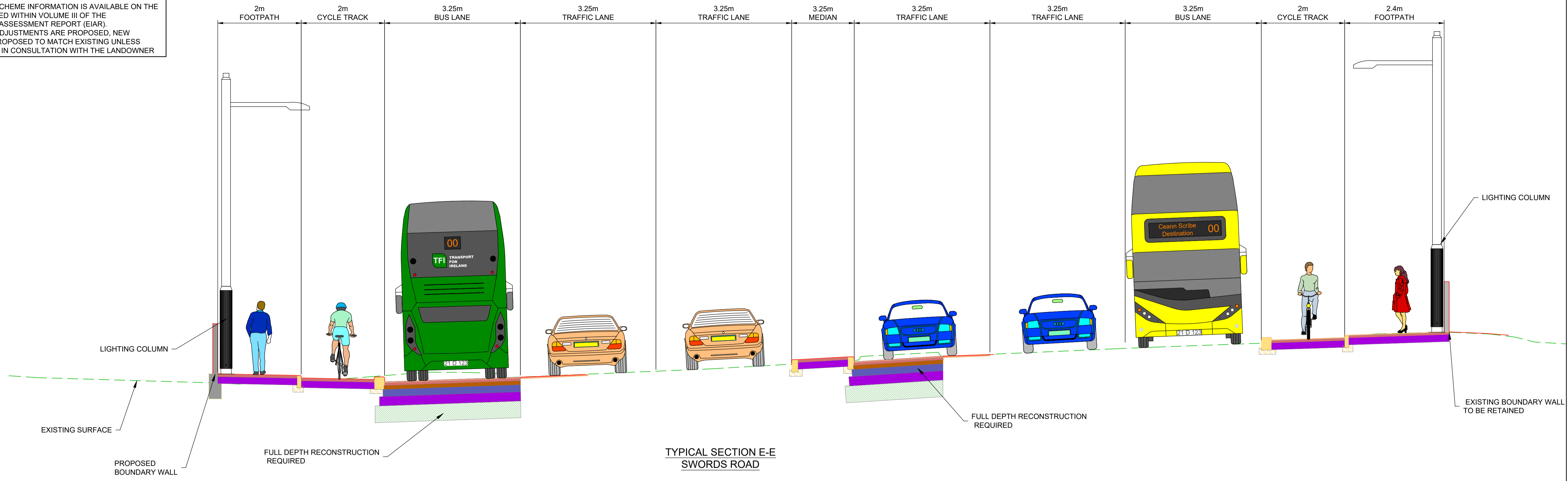
Rev	Date	Drn	Chk'd	App'd	Description
M01	06/04/2023	FM	IL	HOS	ISSUE FOR PHASE 4: PLANNING

Date	Scale	Drawn	Checked	Approved
06/04/2023	1:50 @ A1 1:100 @ A3	FM	IL	HOS
Project Code	Originator Code	QMS Code		
BCIDB	JAC			

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title SWORDS TO CITY CENTRE CORE BUS CORRIDOR SCHEME TYPICAL CROSS SECTIONS			
Drawing File Name	Sheet Number	Status	Rev
BCIDB-JAC-GEO_CS-0002_XX_00-DR-CR-0002	02 of 20	A	M01

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Údarás Náisiúnta Iompair
National Transport Authority

Engineering Designer: **Jacobs**

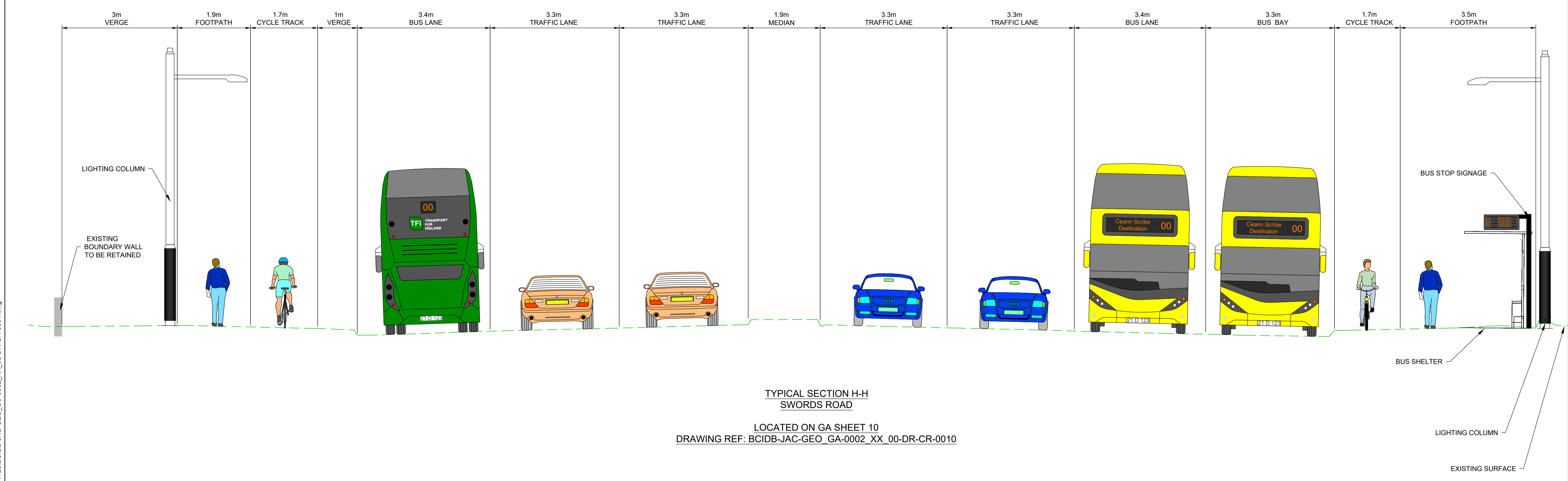
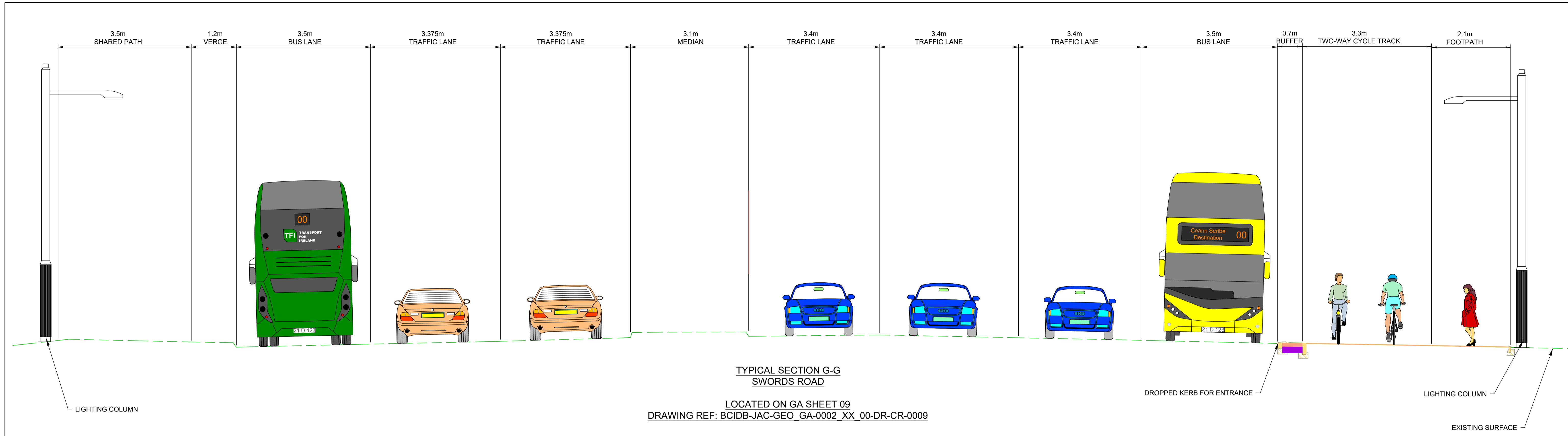
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Project Code: BCIDB | Originator Code: JAC | QMS Code:

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: SWORDS TO CITY CENTRE CORE BUS CORRIDOR SCHEME TYPICAL CROSS SECTIONS			
Drawing File Name: BCIDB-JAC-GEO_CS-0002_XX_00-DR-CR-0003	Sheet Number: 03 of 20	Status: A	Rev: M01

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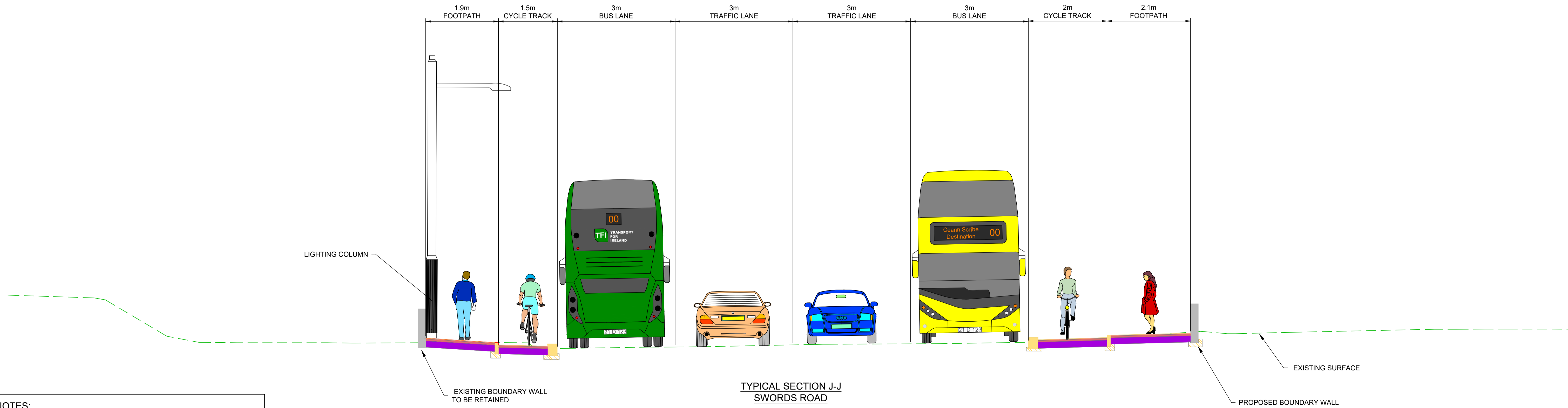
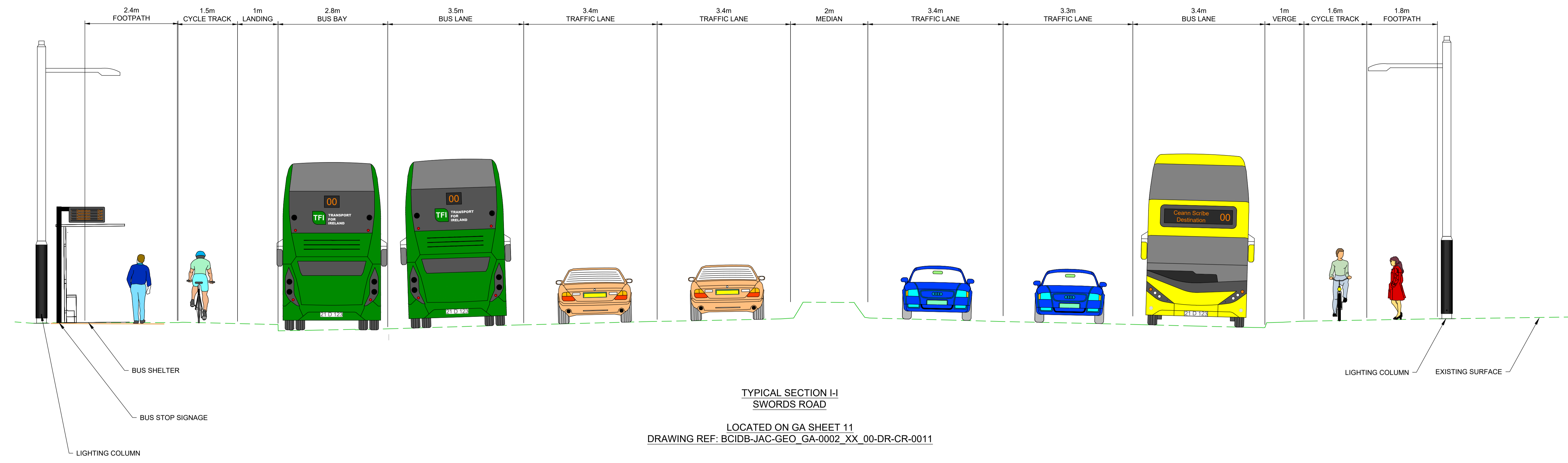
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Project Code	Originator Code	QMS Code		
BCIDB	JAC			

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Drawing Title SWORDS TO CITY CENTRE CORE BUS CORRIDOR SCHEME TYPICAL CROSS SECTIONS			
Drawing File Name	Sheet Number	Status	Rev
BCIDB-JAC-GEO_CS-0002_XX_00-DR-CR-0004	04 of 20	A	M01

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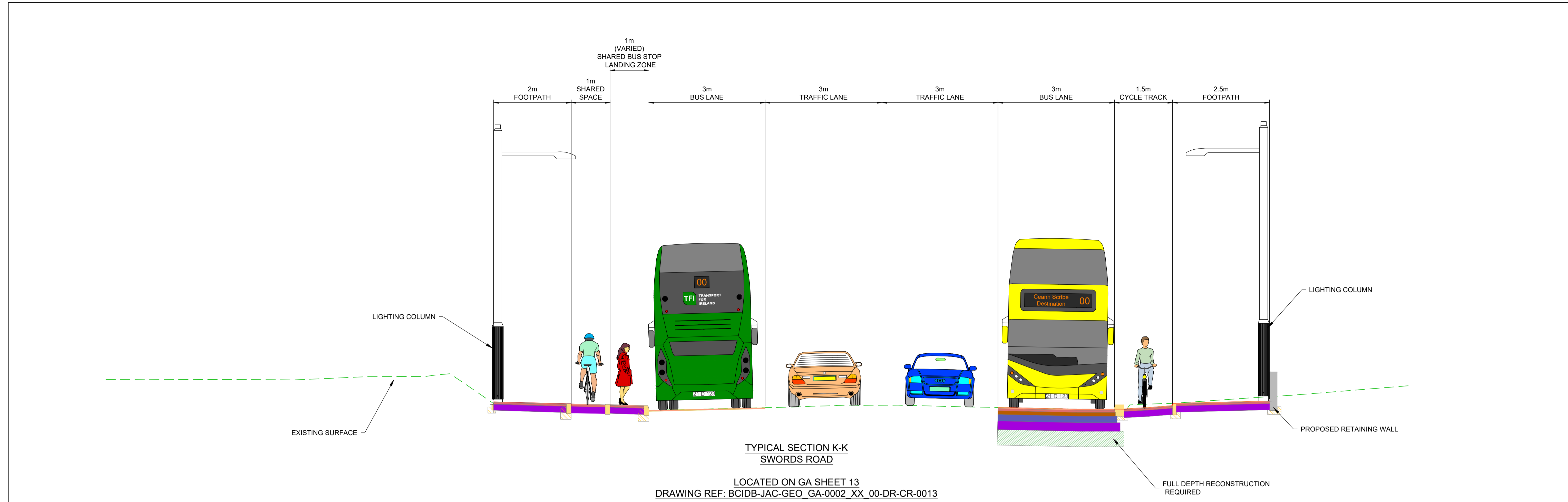
Date: 06/04/2023 | Scale: 1:50 @ A1, 1:100 @ A3 | Drawn: FM | Checked: IL | Approved: HOS

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

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title SWORDS TO CITY CENTRE CORE BUS CORRIDOR SCHEME TYPICAL CROSS SECTIONS			
Drawing File Name BCIDB-JAC-GEO_CS-0002_XX_00-DR-CR-0005	Sheet Number 05 of 20	Status A	Rev M01

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TYPICAL SECTION K-K
SWORDS ROAD
LOCATED ON GA SHEET 13
DRAWING REF: BCIDB-JAC-GEO_GA-0002_XX_00-DR-CR-0013



TYPICAL SECTION L-L
SWORDS ROAD
LOCATED ON GA SHEET 14
DRAWING REF: BCIDB-JAC-GEO_GA-0002_XX_00-DR-CR-0014

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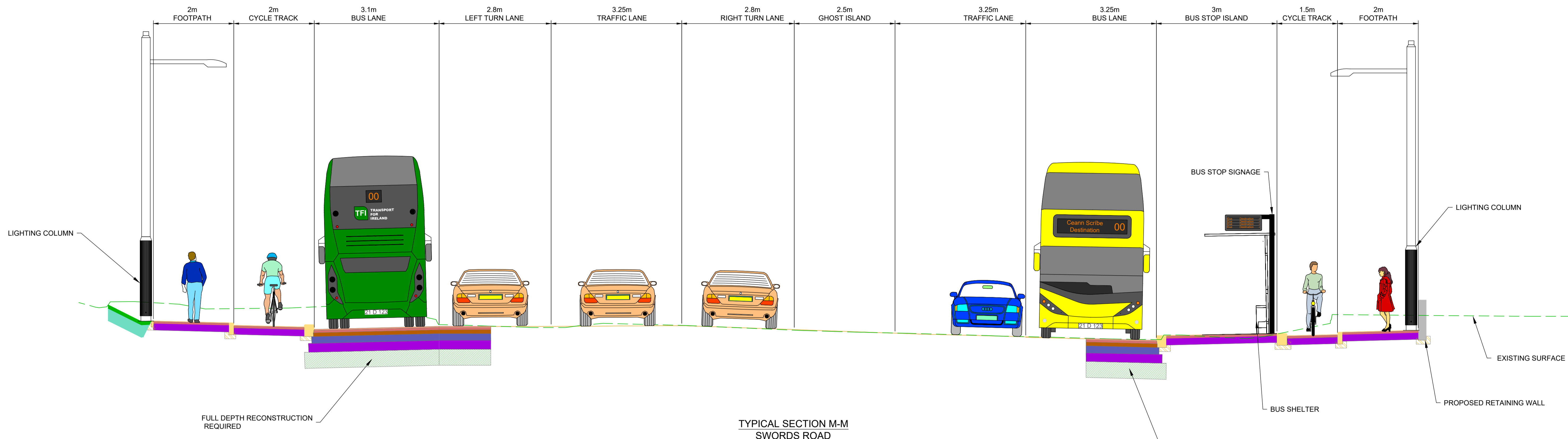


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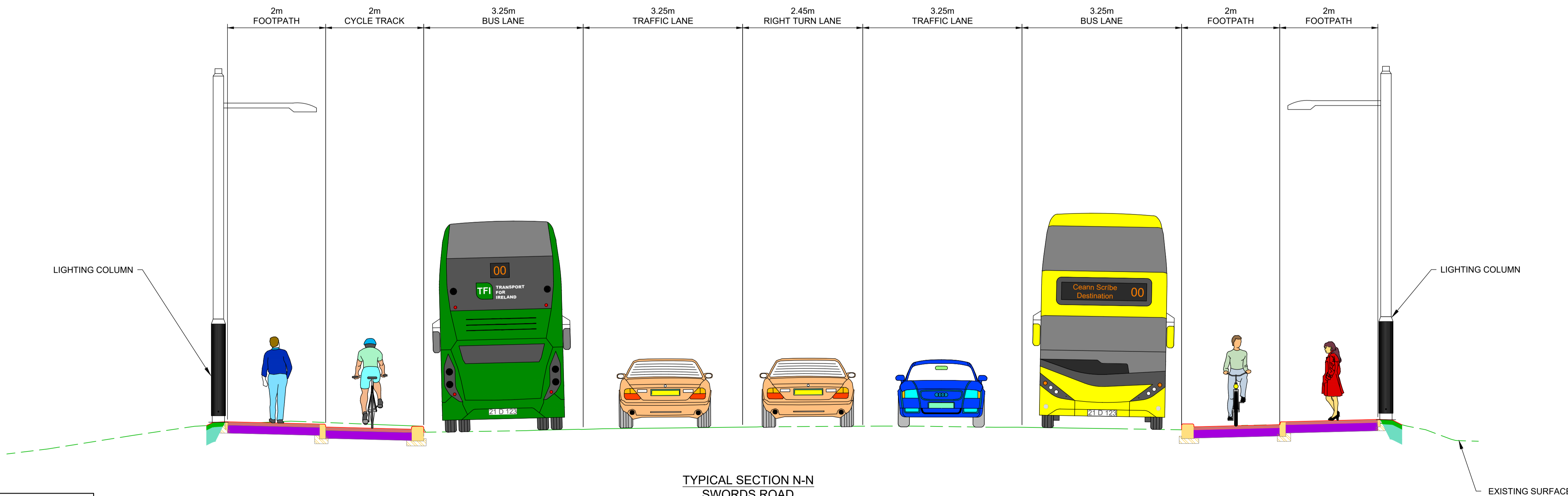
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TYPICAL SECTION M-M
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DRAWING REF: BCIDB-JAC-GEO_GA-0002_XX_00-DR-CR-0015



TYPICAL SECTION N-N
SWORDS ROAD
LOCATED ON GA SHEET 16
DRAWING REF: BCIDB-JAC-GEO_GA-0002_XX_00-DR-CR-0016

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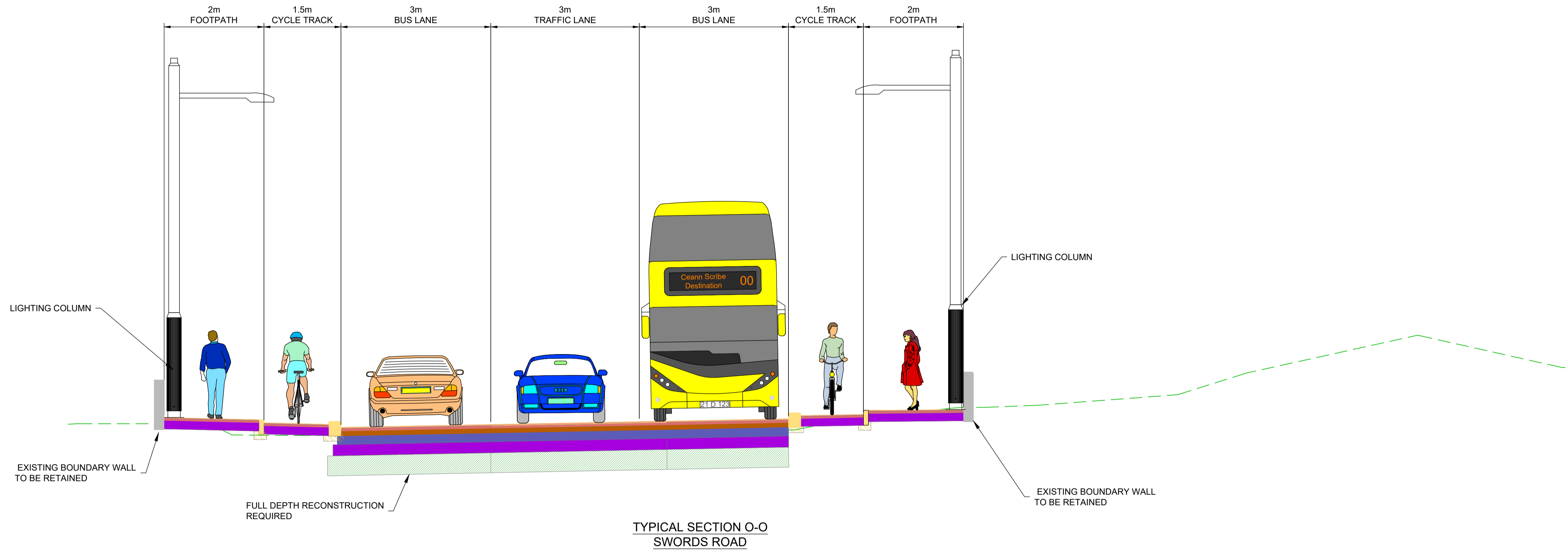
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M01	06/04/2023	FM	IL	HOS	ISSUE FOR PHASE 4: PLANNING

Date	Scale	Drawn	Checked	Approved
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Project Code	Originator Code	QMS Code		
BCIDB	JAC			

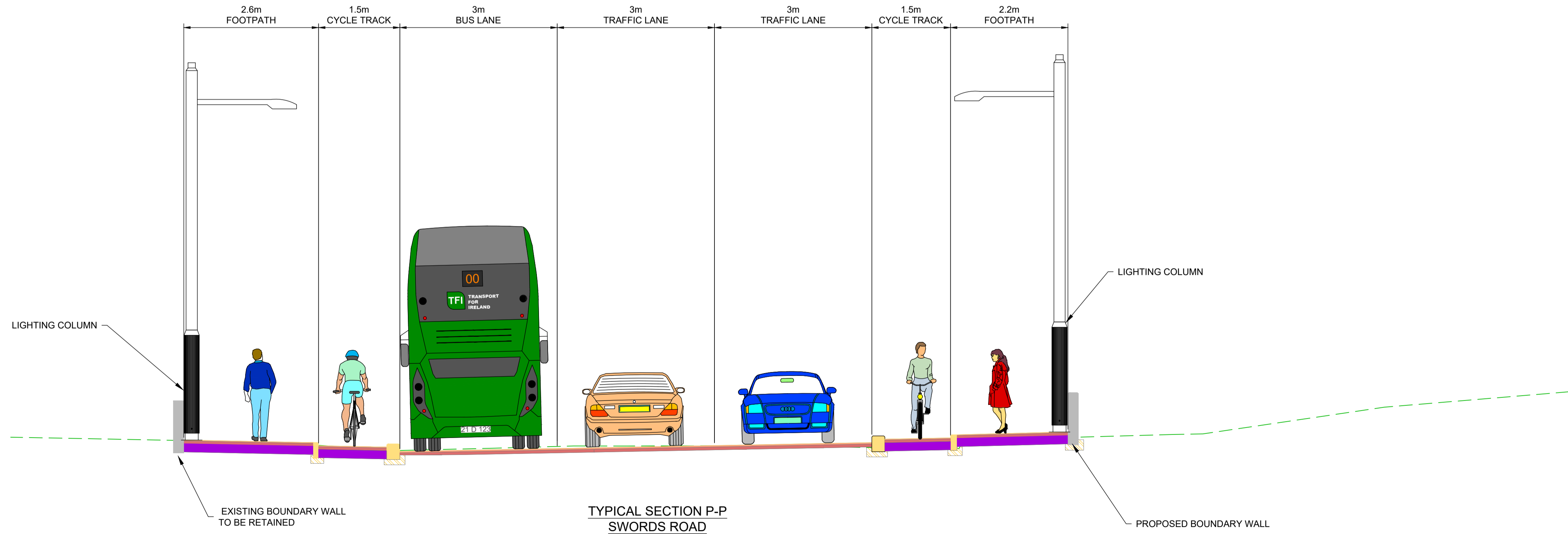
Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title SWORDS TO CITY CENTRE CORE BUS CORRIDOR SCHEME TYPICAL CROSS SECTIONS			
Drawing File Name	Sheet Number	Status	Rev
BCIDB-JAC-GEO_CS-0002_XX_00-DR-CR-0007	07 of 20	A	M01

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TYPICAL SECTION O-O
SWORDS ROAD
LOCATED ON GA SHEET 17
DRAWING REF: BCIDB-JAC-GEO_GA-0002_XX_00-DR-CR-0017



TYPICAL SECTION P-P
SWORDS ROAD
LOCATED ON GA SHEET 18
DRAWING REF: BCIDB-JAC-GEO_GA-0002_XX_00-DR-CR-0018

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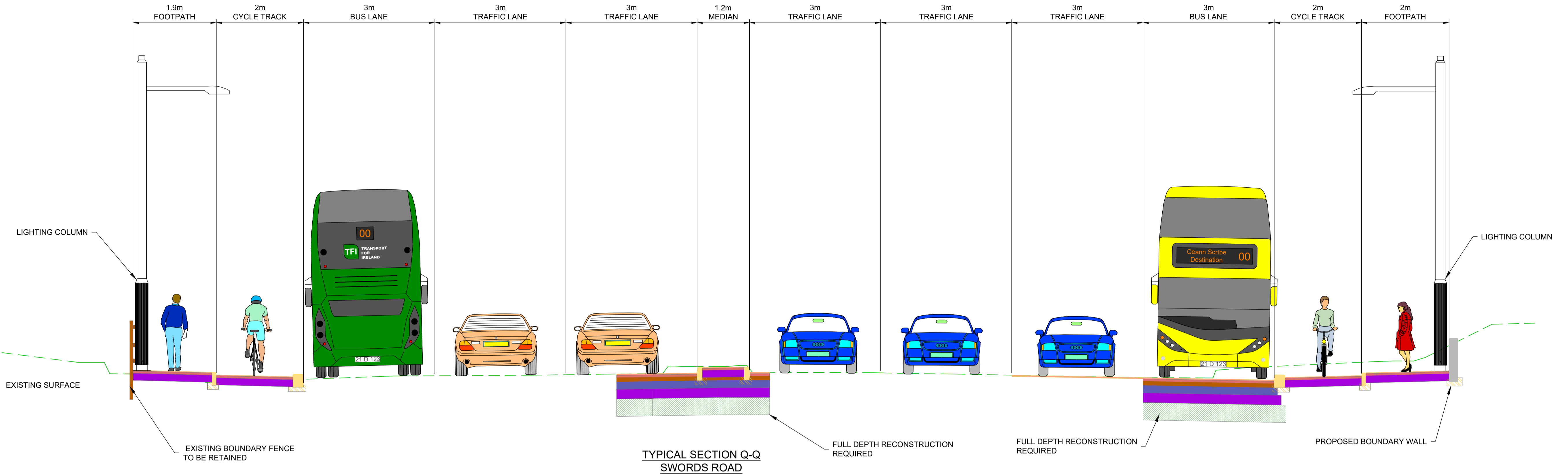
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Date	Scale	Drawn	Checked	Approved
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BCIDB	JAC			

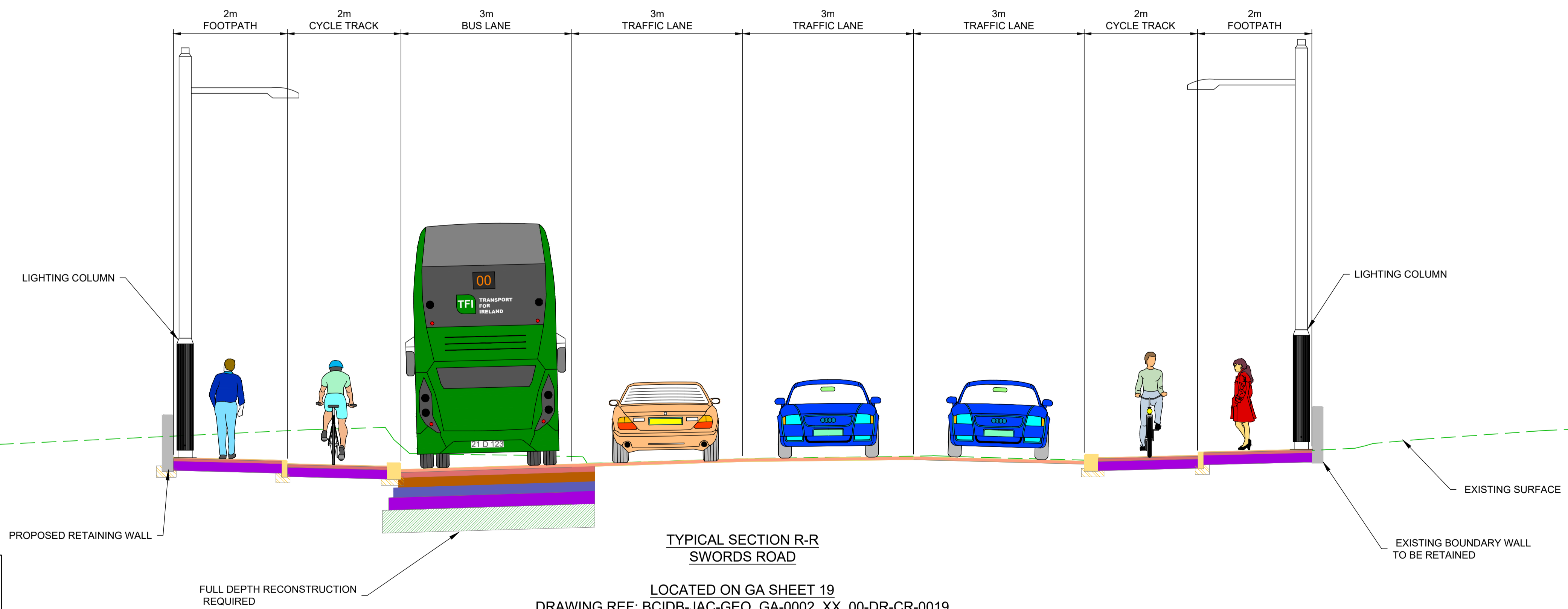
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Drawing Title SWORDS TO CITY CENTRE CORE BUS CORRIDOR SCHEME TYPICAL CROSS SECTIONS			
Drawing File Name	Sheet Number	Status	Rev
BCIDB-JAC-GEO_CS-0002_XX_00-DR-CR-0008	08 of 20	A	M01

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TYPICAL SECTION Q-Q
SWORDS ROAD
LOCATED ON GA SHEET 18
DRAWING REF: BCIDB-JAC-GEO_GA-0002_XX_00-DR-CR-0018



TYPICAL SECTION R-R
SWORDS ROAD
LOCATED ON GA SHEET 19
DRAWING REF: BCIDB-JAC-GEO_GA-0002_XX_00-DR-CR-0019

- NOTES:**
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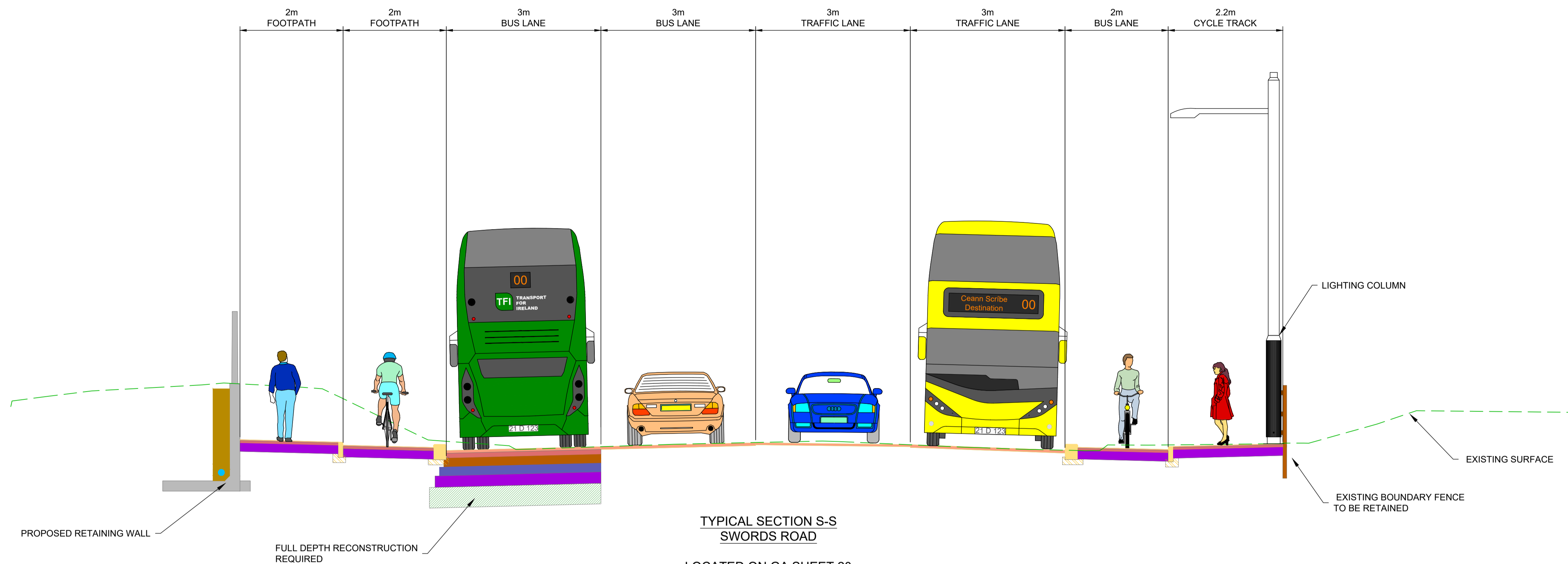
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M01	06/04/2023	FM	IL	HOS	ISSUE FOR PHASE 4: PLANNING

Client NTA Údarás Náisiúnta Iompair National Transport Authority		Engineering Designer Jacobs		
Date 06/04/2023	Scale 1:50 @ A1 1:100 @ A3	Drawn FM	Checked IL	Approved HOS
Project Code BCIDB	Originator Code JAC	QMS Code		

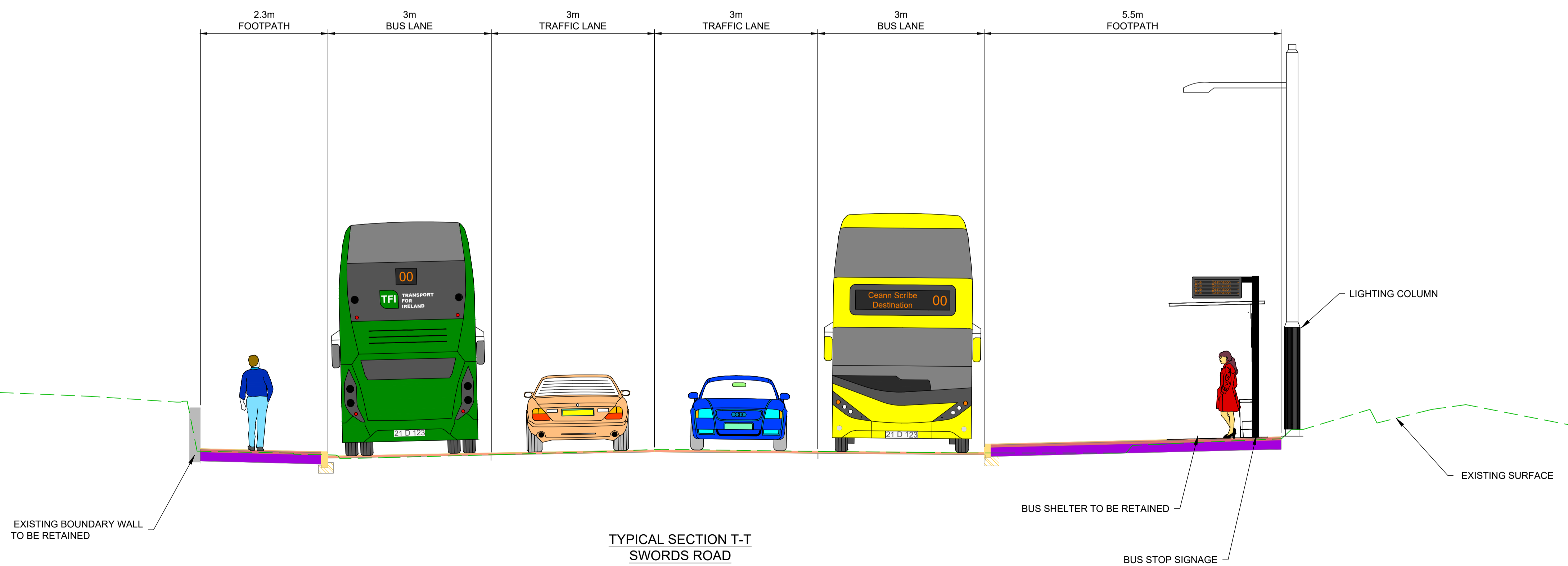
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Drawing Title SWORDS TO CITY CENTRE CORE BUS CORRIDOR SCHEME TYPICAL CROSS SECTIONS			
Drawing File Name BCIDB-JAC-GEO_CS-0002_XX_00-DR-CR-0009	Sheet Number 09 of 20	Status A	Rev M01

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TYPICAL SECTION S-S
SWORDS ROAD
LOCATED ON GA SHEET 20
DRAWING REF: BCIDB-JAC-GEO_GA-0002_XX_00-DR-CR-0020



TYPICAL SECTION T-T
SWORDS ROAD
LOCATED ON GA SHEET 20
DRAWING REF: BCIDB-JAC-GEO_GA-0002_XX_00-DR-CR-0020

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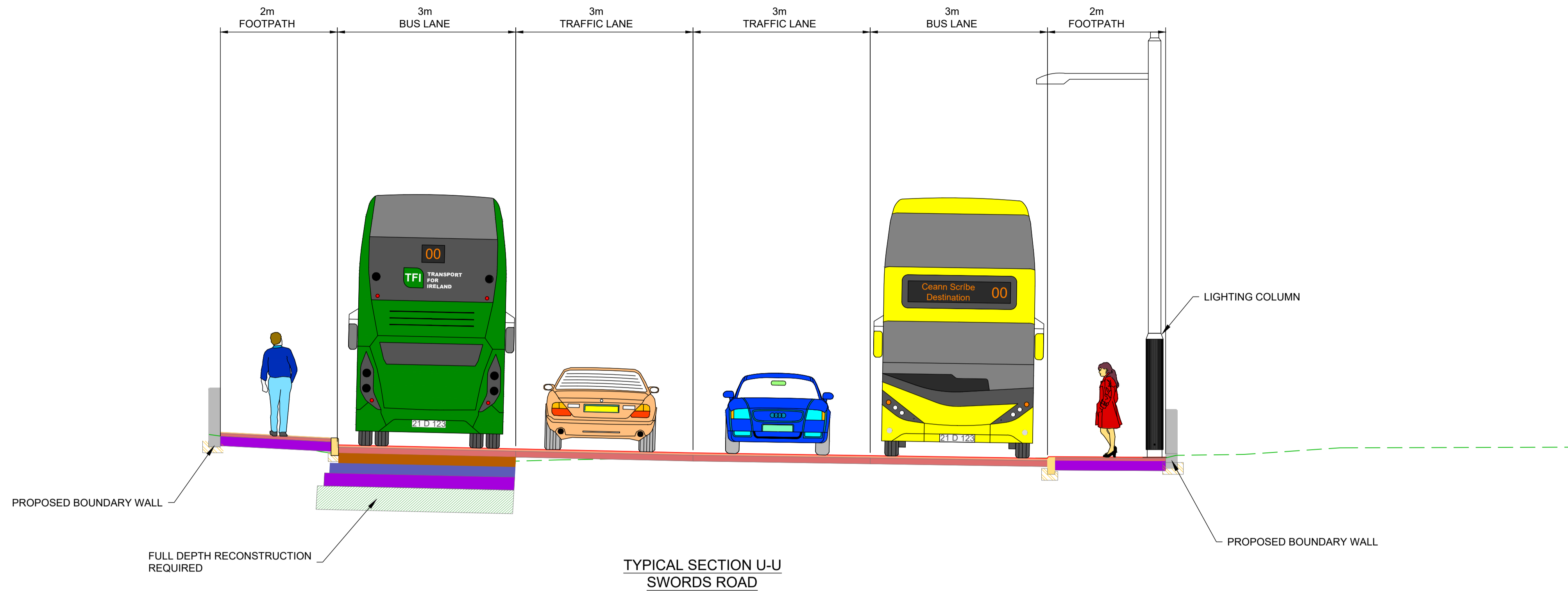
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M01	06/04/2023	FM	IL	HOS	ISSUE FOR PHASE 4: PLANNING

 Údarás Náisiúnta Iompair National Transport Authority		Engineering Designer 		
Date	Scale	Drawn	Checked	Approved
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BCIDB	JAC			

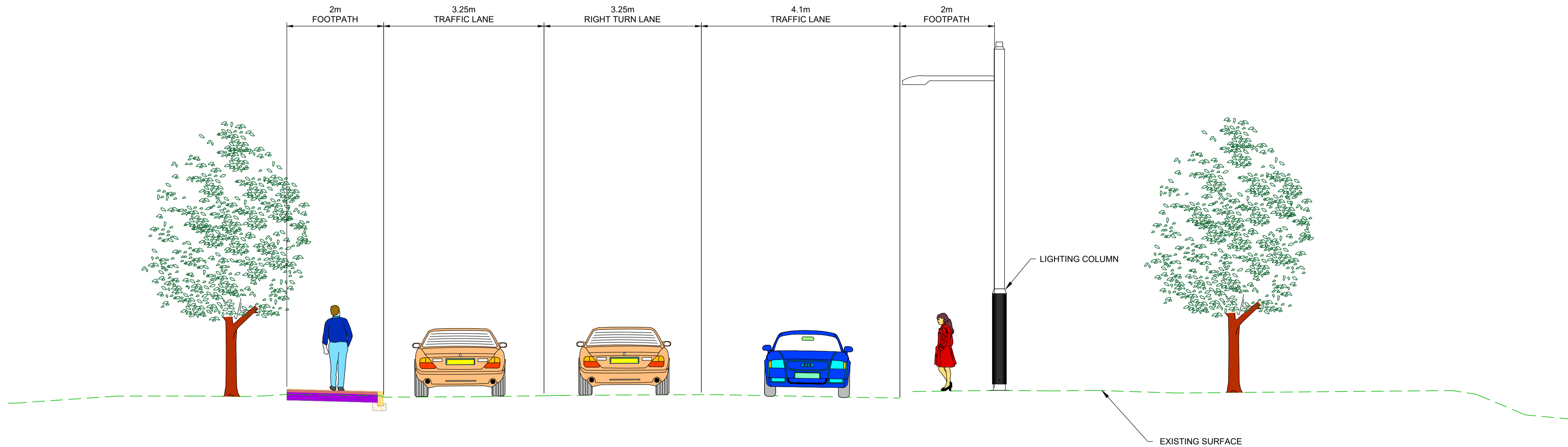
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Drawing Title SWORDS TO CITY CENTRE CORE BUS CORRIDOR SCHEME TYPICAL CROSS SECTIONS			
Drawing File Name	Sheet Number	Status	Rev
BCIDB-JAC-GEO_CS-0002_XX_00-DR-CR-0010	10 of 20	A	M01

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TYPICAL SECTION U-U
SWORDS ROAD
LOCATED ON GA SHEET 21
DRAWING REF: BCIDB-JAC-GEO_GA-0002_XX_00-DR-CR-0021



TYPICAL SECTION V-V
SHANTALLA ROAD
LOCATED ON GA SHEET 23
DRAWING REF: BCIDB-JAC-GEO_GA-0002_XX_00-DR-CR-0023

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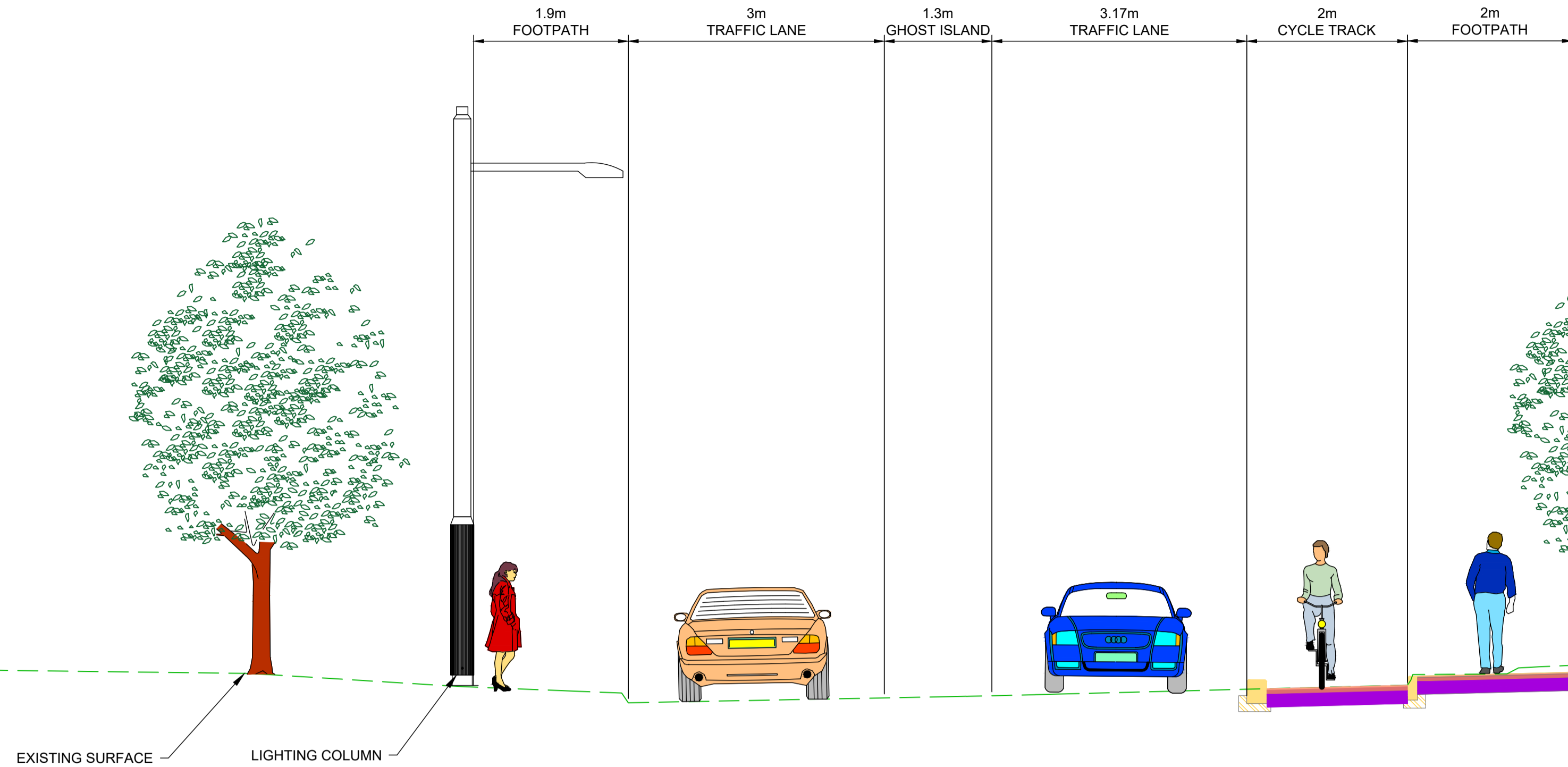
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Date	Scale	Drawn	Checked	Approved
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Project Code	Originator Code	QMS Code		
BCIDB	JAC			

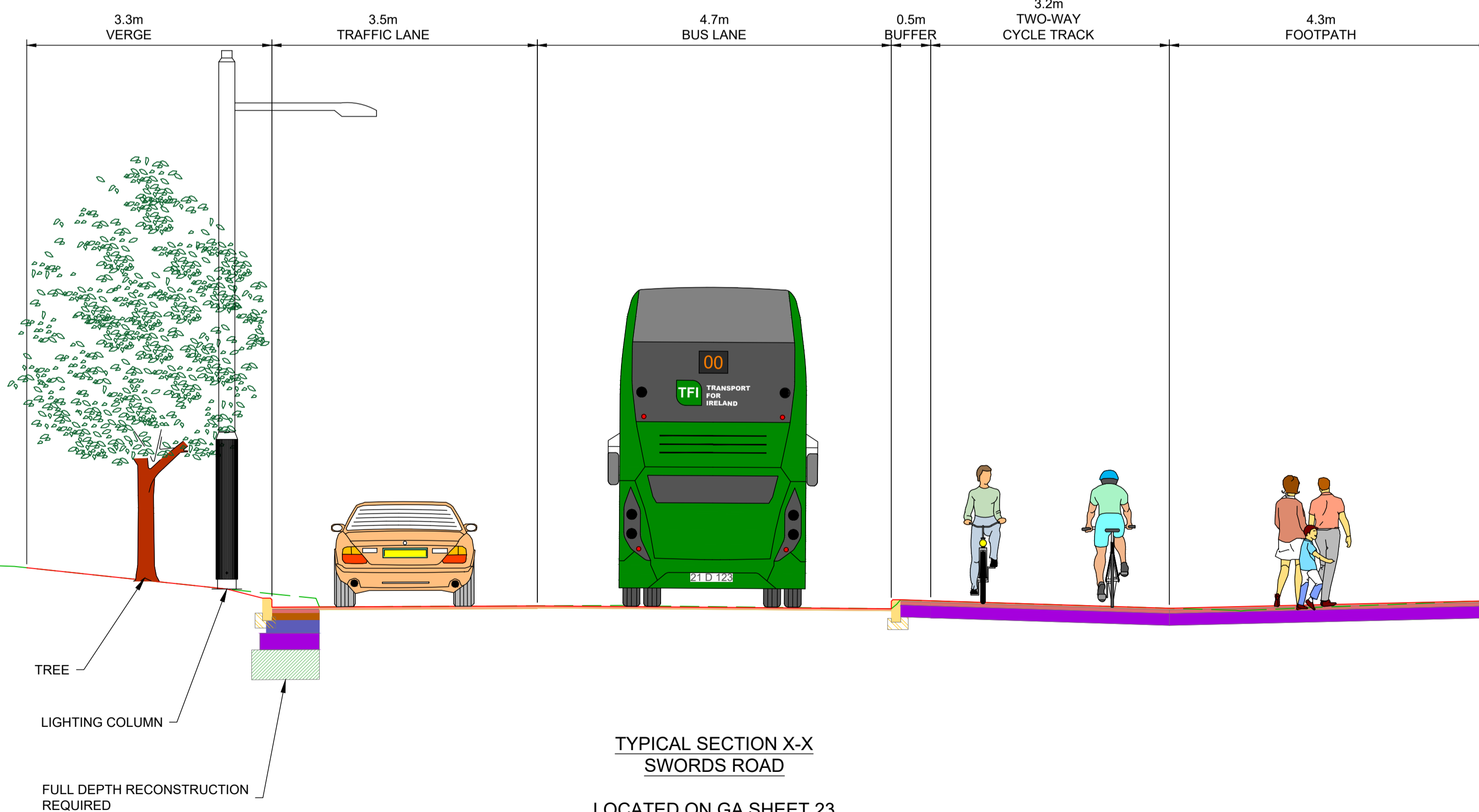
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Drawing File Name	Sheet Number	Status	Rev
BCIDB-JAC-GEO_CS-0002_XX_00-DR-CR-0011	11 of 20	A	M01

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TYPICAL SECTION W-W
SHANTALLA ROAD
LOCATED ON GA SHEET 23
DRAWING REF: BCIDB-JAC-GEO_GA-0002_XX_00-DR-CR-0023



TYPICAL SECTION X-X
SWORDS ROAD
LOCATED ON GA SHEET 23
DRAWING REF: BCIDB-JAC-GEO_GA-0002_XX_00-DR-CR-0023

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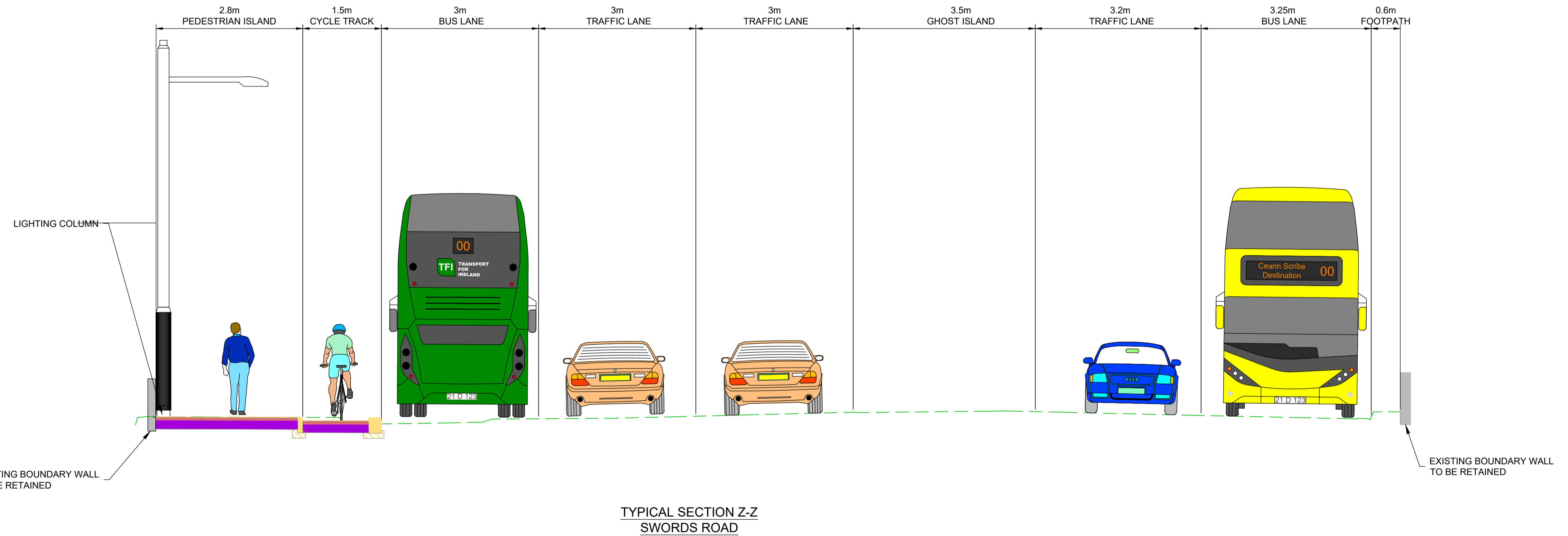
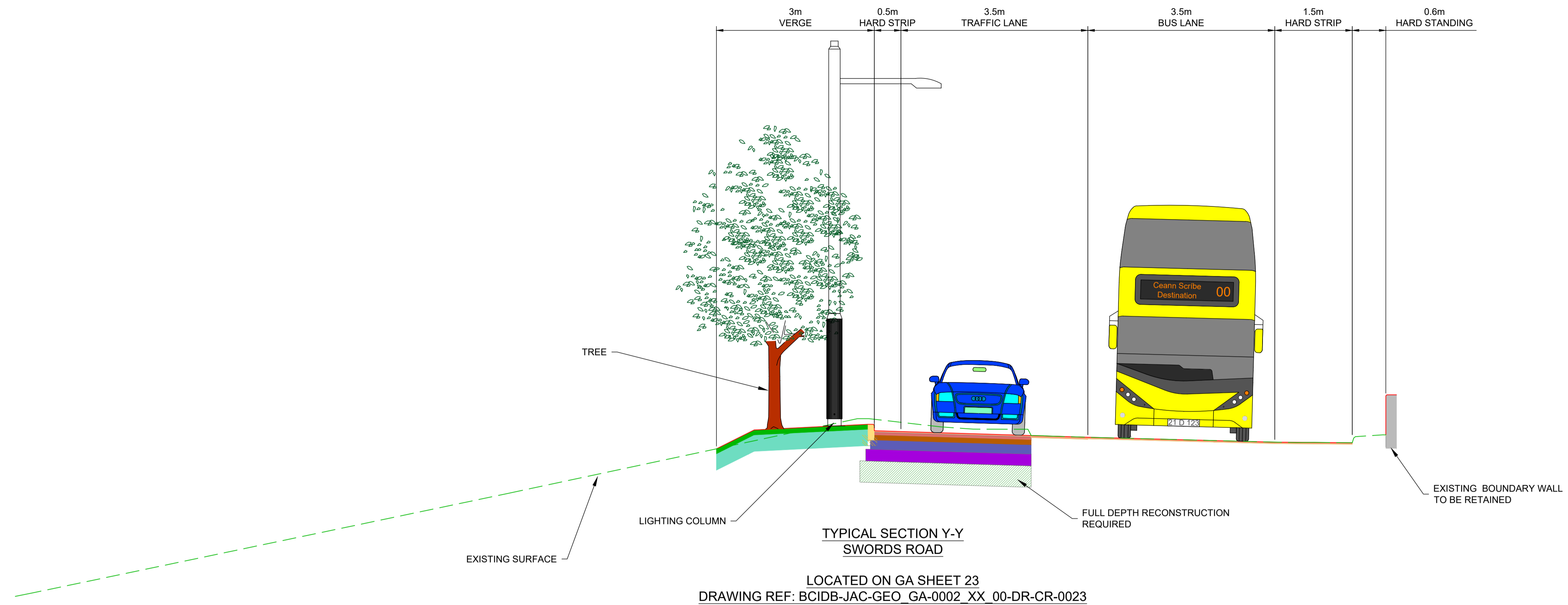
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 Údarás Náisiúnta Iompair National Transport Authority		 Engineering Designer		
Date	Scale	Drawn	Checked	Approved
06/04/2023	1:50 @ A1 1:100 @ A3	FM	IL	HOS
Project Code	Originator Code	QMS Code		
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Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title SWORDS TO CITY CENTRE CORE BUS CORRIDOR SCHEME TYPICAL CROSS SECTIONS			
Drawing File Name	Sheet Number	Status	Rev
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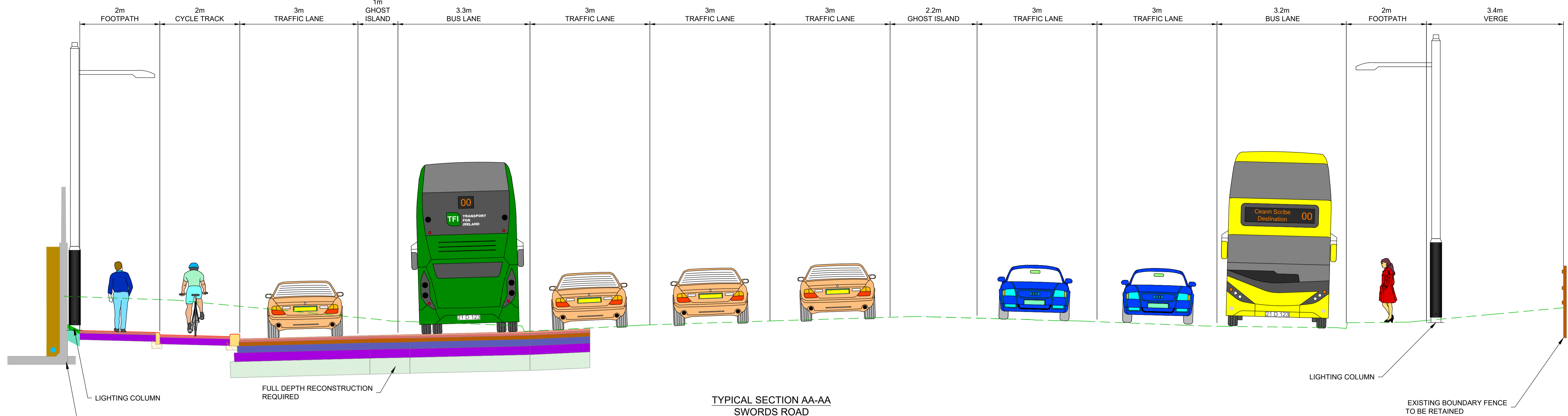
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BCIDB	JAC			

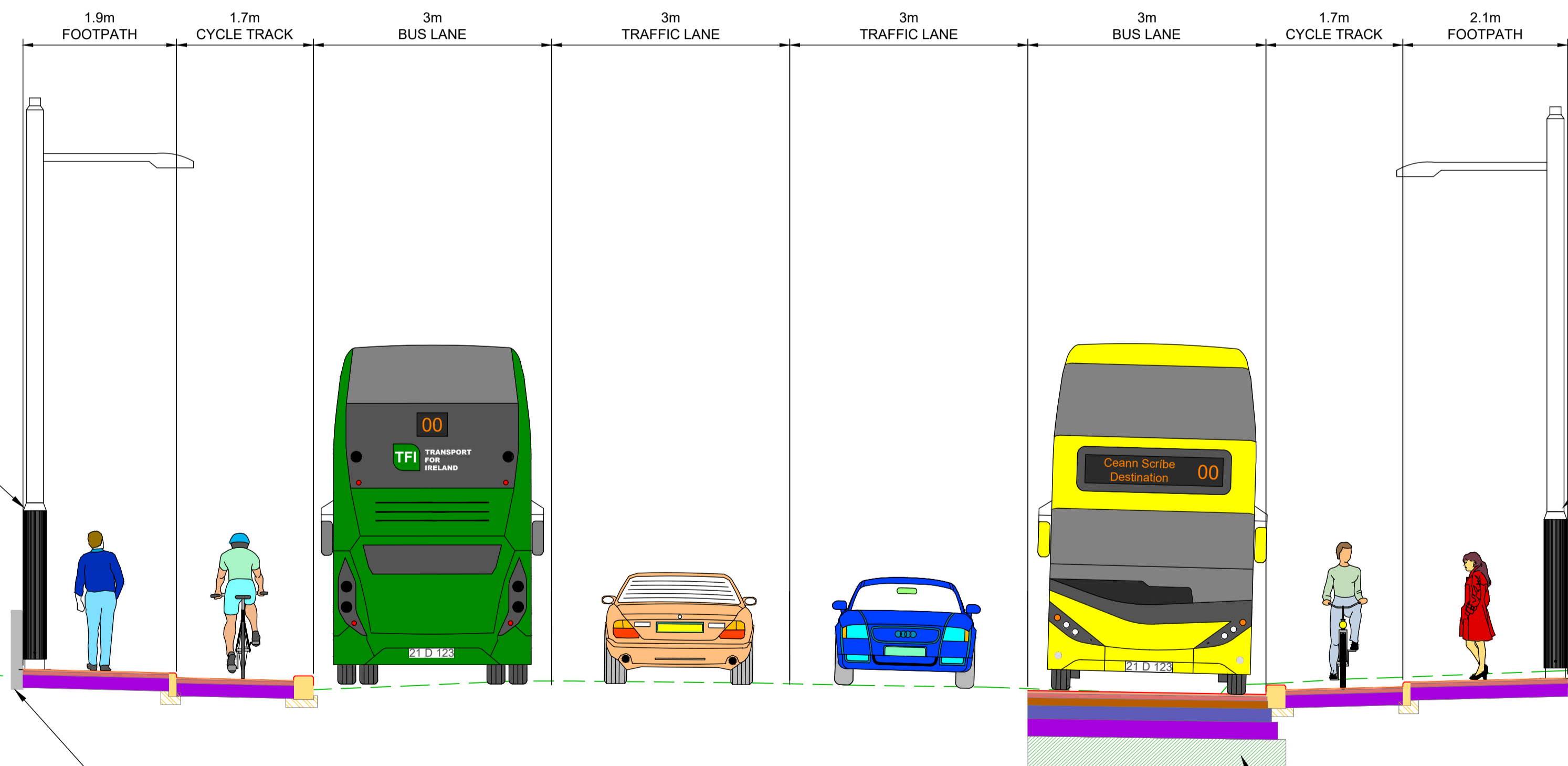
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Drawing File Name	Sheet Number	Status	Rev
BCIDB-JAC-GEO_CS-0002_XX_00-DR-CR-0013	13 of 20	A	M01

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TYPICAL SECTION AA-AA
SWORDS ROAD
LOCATED ON GA SHEET 25
DRAWING REF: BCIDB-JAC-GEO_GA-0002_XX_00-DR-CR-0025



TYPICAL SECTION AB-AB
SWORDS ROAD
LOCATED ON GA SHEET 27
DRAWING REF: BCIDB-JAC-GEO_GA-0002_XX_00-DR-CR-0027

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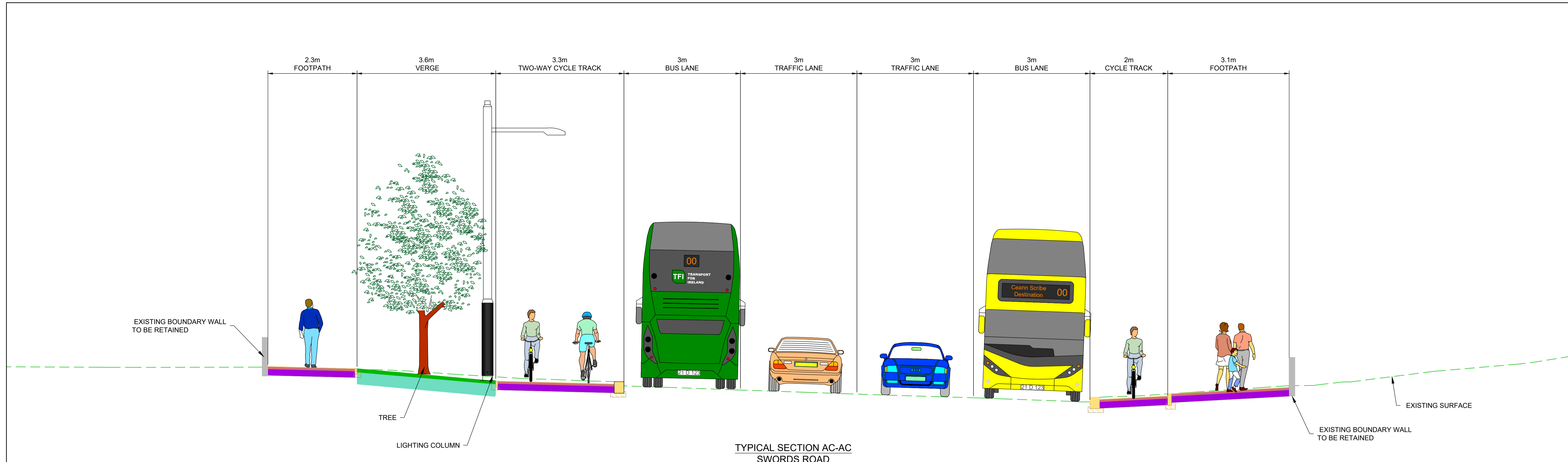
Rev	Date	Drn	Chk'd	App'd	Description
M01	06/04/2023	FM	IL	HOS	ISSUE FOR PHASE 4: PLANNING

Date	Scale	Drawn	Checked	Approved
06/04/2023	1:50 @ A1 1:100 @ A3	FM	IL	HOS
Project Code	Originator Code	QMS Code		
BCIDB	JAC			

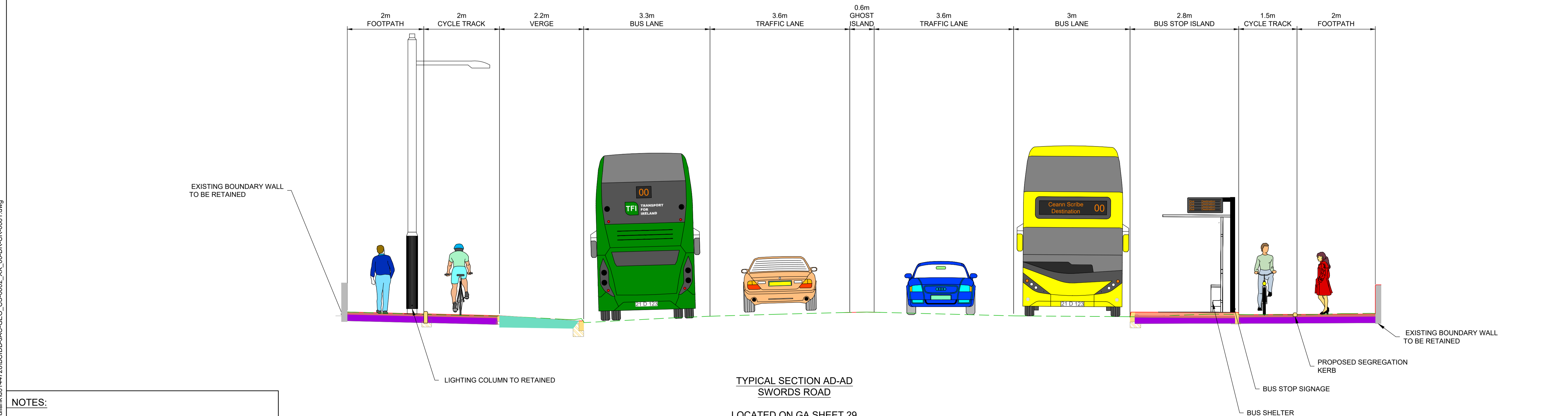
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Drawing Title SWORDS TO CITY CENTRE CORE BUS CORRIDOR SCHEME TYPICAL CROSS SECTIONS			
Drawing File Name	Sheet Number	Status	Rev
BCIDB-JAC-GEO_CS-0002_XX_00-DR-CR-0014	14 of 20	A	M01

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TYPICAL SECTION AC-AC
SWORDS ROAD
LOCATED ON GA SHEET 28
DRAWING REF: BCIDB-JAC-GEO_GA-0002_XX_00-DR-CR-0028

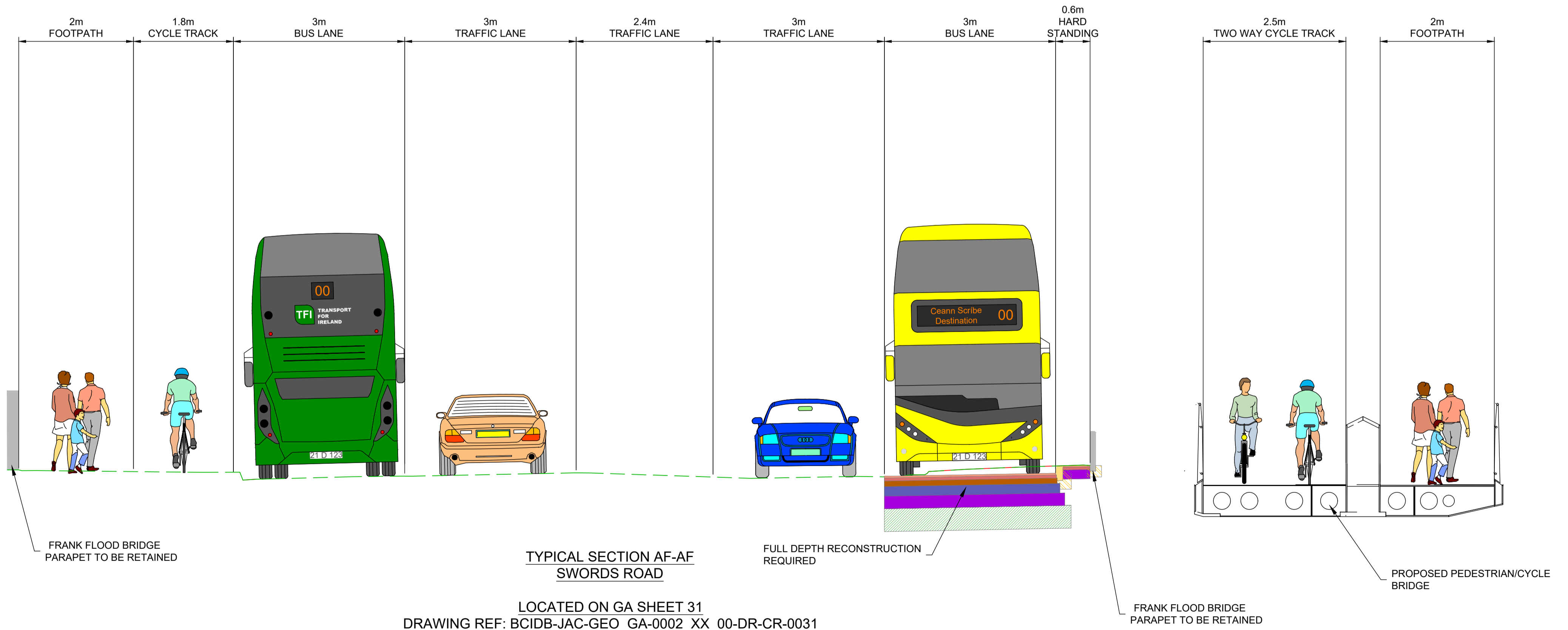
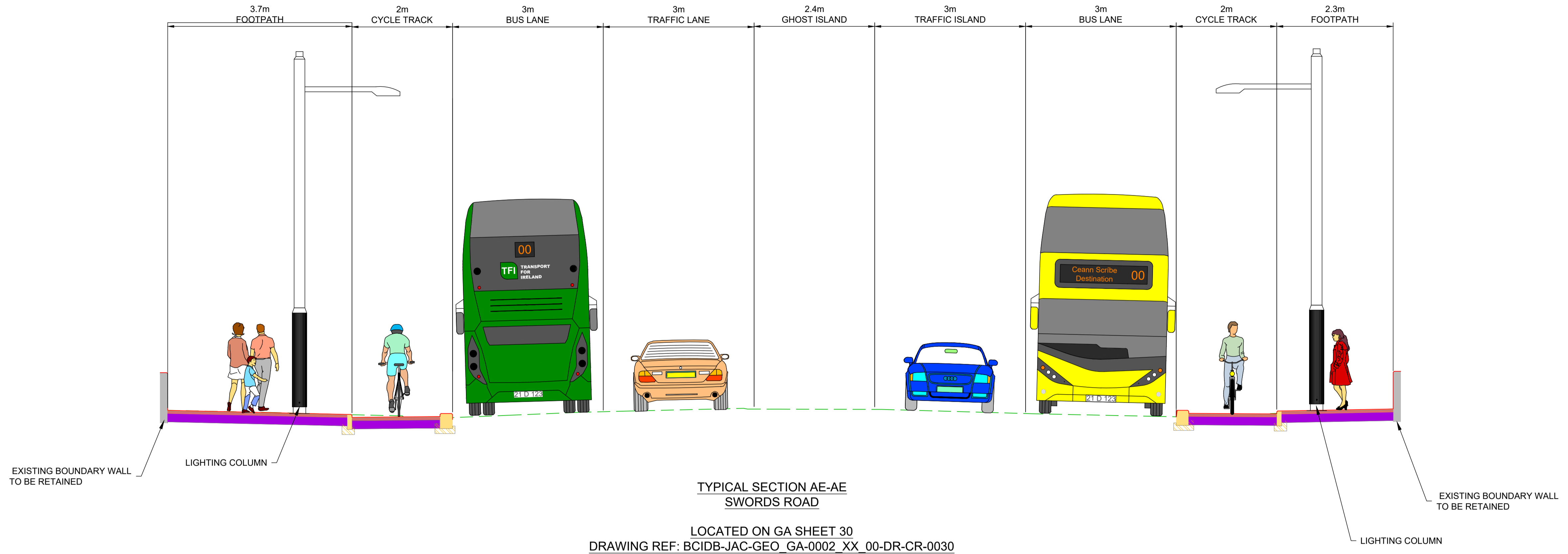


TYPICAL SECTION AD-AD
SWORDS ROAD
LOCATED ON GA SHEET 29
DRAWING REF: BCIDB-JAC-GEO_GA-0002_XX_00-DR-CR-0029

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Rev	Date	Drn	Chk'd	App'd	Description														
M01	06/04/2023	FM	IL	HOS	ISSUE FOR PHASE 4: PLANNING														
<p>Date: 06/04/2023 Scale: 1:50 @ A1, 1:100 @ A3</p> <p>Project Code: BCIDB Originator Code: JAC</p> <p>Drawn: FM Checked: IL Approved: HOS</p> <p>QMS Code</p>						<p>Drawing Title</p> <p>SWORDS TO CITY CENTRE CORE BUS CORRIDOR SCHEME TYPICAL CROSS SECTIONS</p>	<p>Drawing File Name</p> <p>BCIDB-JAC-GEO_CS-0002_XX_00-DR-CR-0015</p>	<p>Sheet Number</p> <p>15 of 20</p>	<p>Status</p> <p>A</p>	<p>Rev</p> <p>M01</p>									

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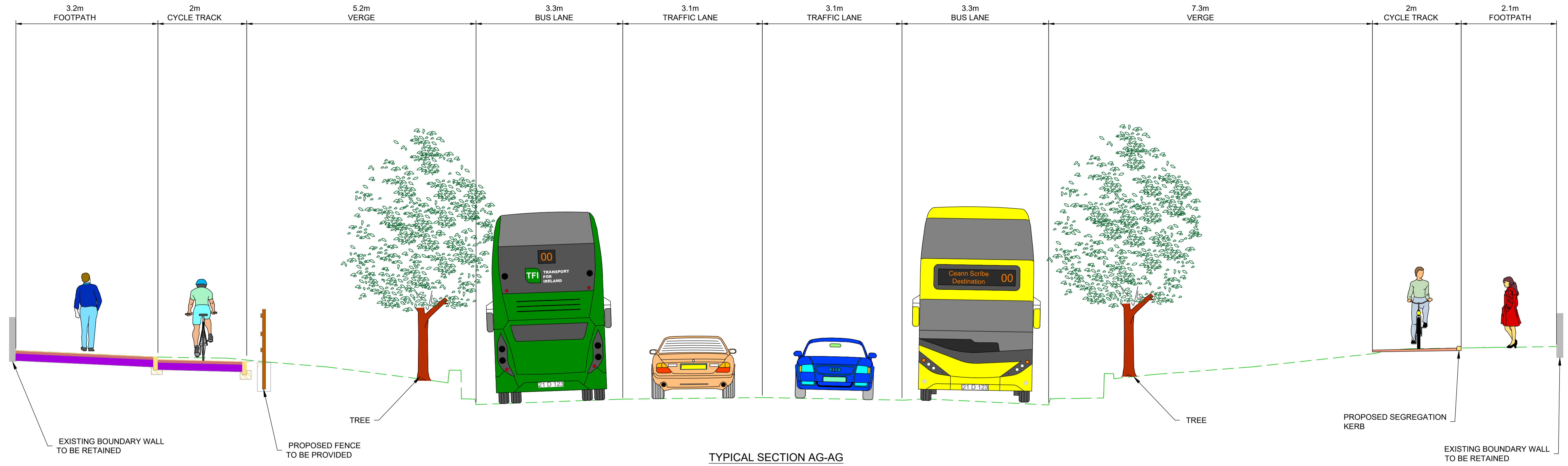
Rev	Date	Drn	Chk'd	App'd	Description
M01	06/04/2023	FM	IL	HOS	ISSUE FOR PHASE 4: PLANNING

Client NTA Údarás Náisiúnta Iompair National Transport Authority		Engineering Designer Jacobs		
Date 06/04/2023	Scale 1:50 @ A1 1:100 @ A3	Drawn FM	Checked IL	Approved HOS
Project Code BCIDB	Originator Code JAC	QMS Code		

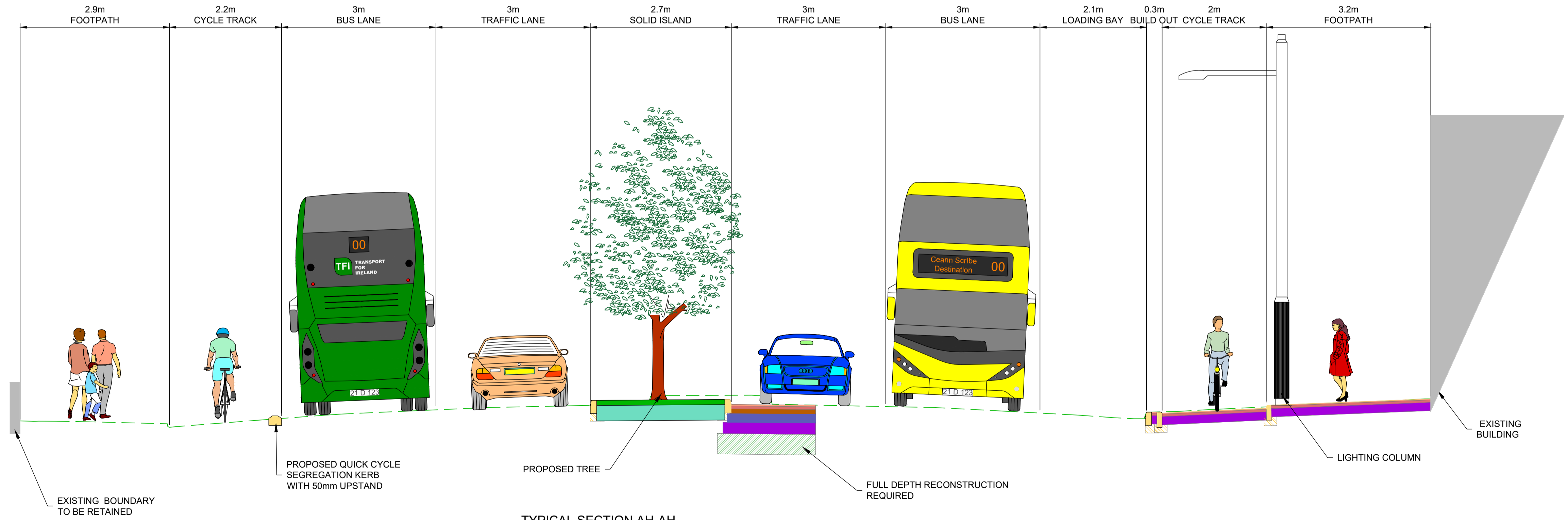
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Drawing Title SWORDS TO CITY CENTRE CORE BUS CORRIDOR SCHEME TYPICAL CROSS SECTIONS			
Drawing File Name BCIDB-JAC-GEO_CS-0002_XX_00-DR-CR-0016	Sheet Number 16 of 20	Status A	Rev M01

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TYPICAL SECTION AG-AG
SWORDS ROAD
LOCATED ON GA SHEET 32
DRAWING REF: BCIDB-JAC-GEO_GA-0002_XX_00-DR-CR-0032



TYPICAL SECTION AH-AH
SWORDS ROAD
LOCATED ON GA SHEET 33
DRAWING REF: BCIDB-JAC-GEO_GA-0002_XX_00-DR-CR-0033

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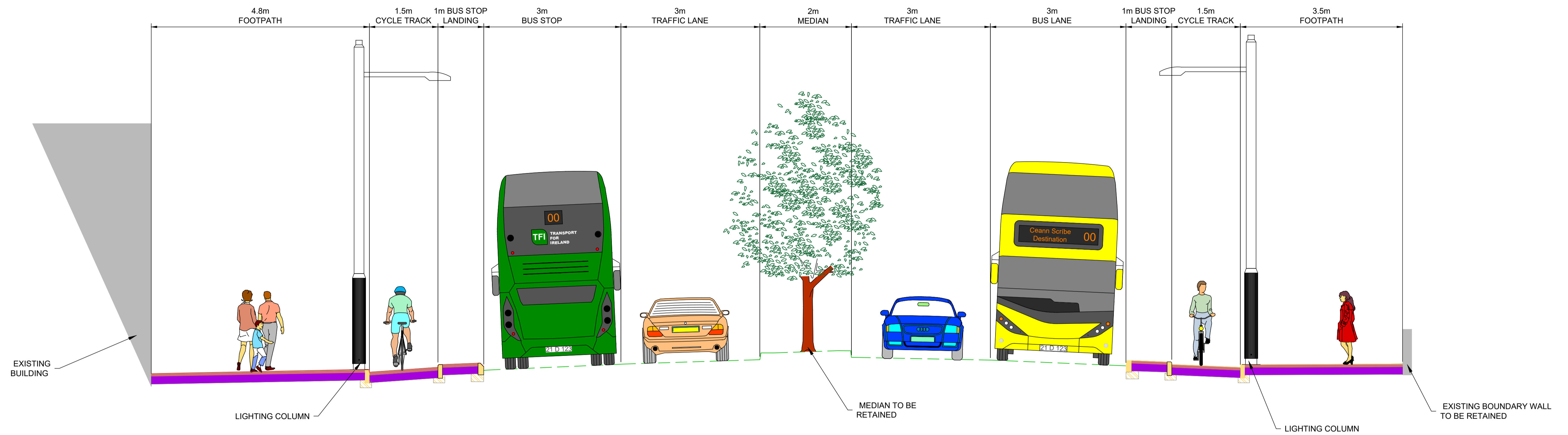
Rev	Date	Drn	Chk'd	App'd	Description
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Date	Scale	Drawn	Checked	Approved
06/04/2023	1:50 @ A1 1:100 @ A3	FM	IL	HOS
Project Code	Originator Code	QMS Code		
BCIDB	JAC			

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title SWORDS TO CITY CENTRE CORE BUS CORRIDOR SCHEME TYPICAL CROSS SECTIONS			
Drawing File Name	Sheet Number	Status	Rev
BCIDB-JAC-GEO_CS-0002_XX_00-DR-CR-0017	17 of 20	A	M01

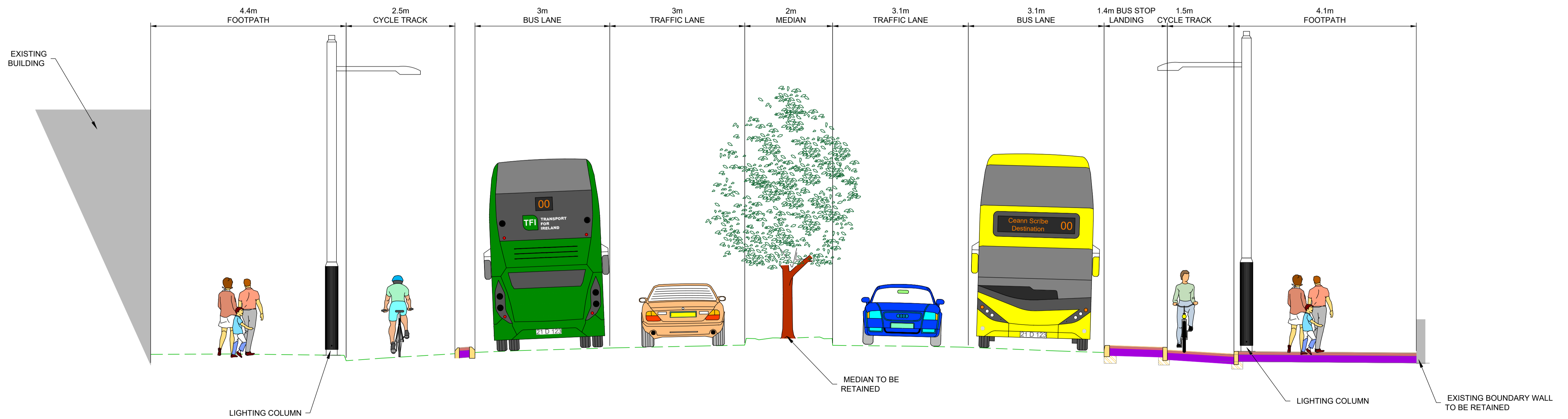
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TYPICAL SECTION AI-AI
SWORDS ROAD

LOCATED ON GA SHEET 34
DRAWING REF: BCIDB-JAC-GEO_GA-0002_XX_00-DR-CR-0034



TYPICAL SECTION AJ-AJ
SWORDS ROAD

LOCATED ON GA SHEET 34
DRAWING REF: BCIDB-JAC-GEO_GA-0002_XX_00-DR-CR-0034

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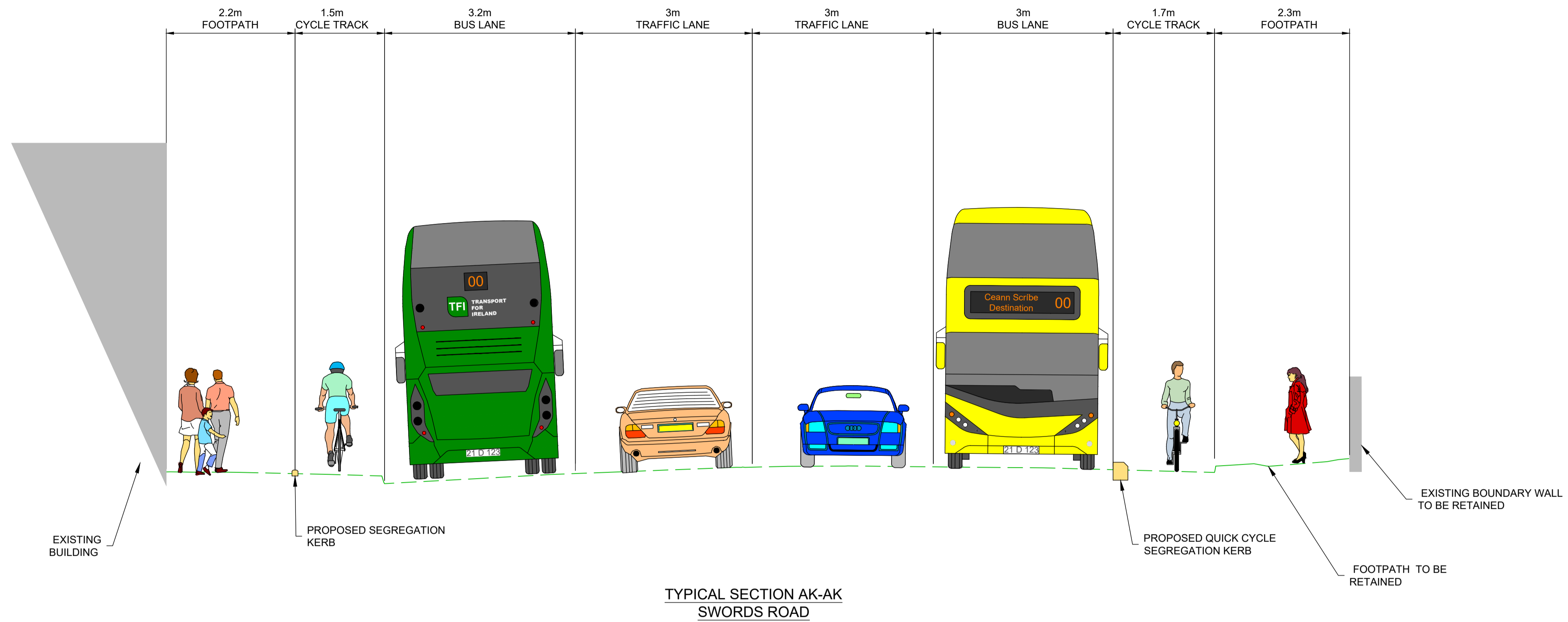


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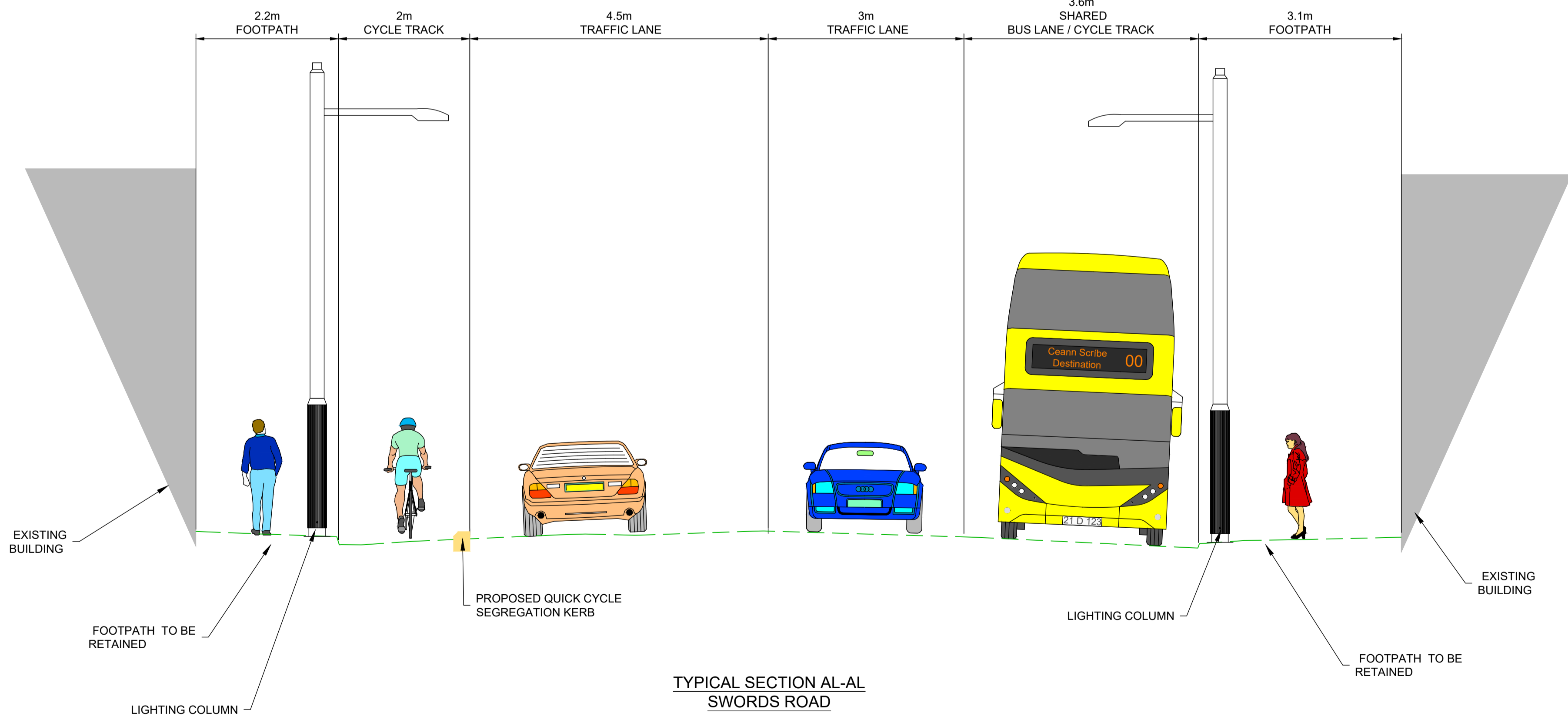
Client NTA Údarás Náisiúnta Iompair National Transport Authority		Engineering Designer Jacobs		
Date 06/04/2023	Scale 1:50 @ A1 1:100 @ A3	Drawn FM	Checked IL	Approved HOS
Project Code BCIDB	Originator Code JAC	QMS Code		

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title SWORDS TO CITY CENTRE CORE BUS CORRIDOR SCHEME TYPICAL CROSS SECTIONS			
Drawing File Name BCIDB-JAC-GEO_CS-0002_XX_00-DR-CR-0018	Sheet Number 18 of 20	Status A	Rev M01

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DRAWING REF: BCIDB-JAC-GEO_GA-0002_XX_00-DR-CR-0035



LOCATED ON GA SHEET 37
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Building Ireland's Future

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

Engineering Designer: **Jacobs**

Date: 06/04/2023 | Scale: 1:50 @ A1, 1:100 @ A3

Project Code: BCIDB | Originator Code: JAC

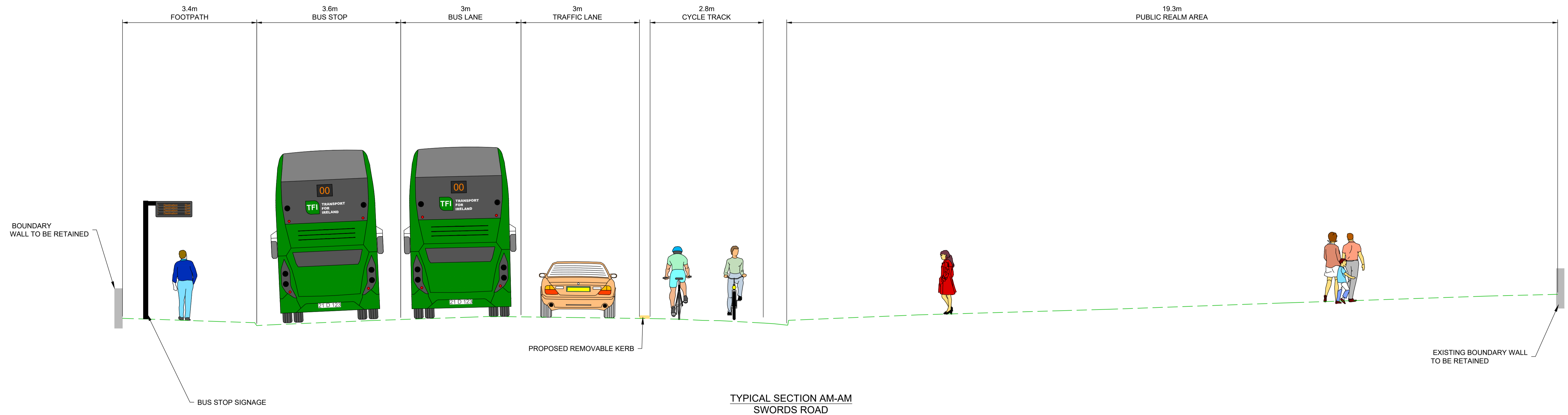
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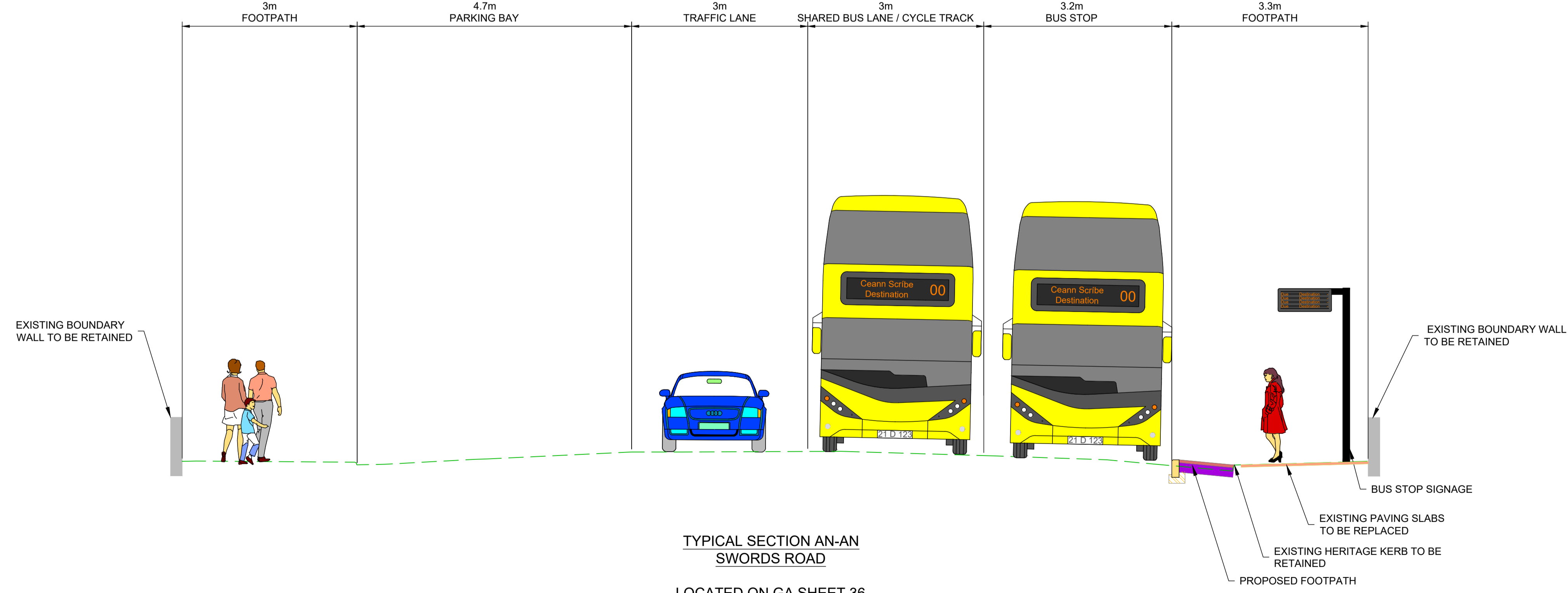
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Drawing Title SWORDS TO CITY CENTRE CORE BUS CORRIDOR SCHEME TYPICAL CROSS SECTIONS			
Drawing File Name BCIDB-JAC-GEO_CS-0002_XX_00-DR-CR-0019	Sheet Number 19 of 20	Status A	Rev M01

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TYPICAL SECTION AM-AM
SWORDS ROAD
LOCATED ON GA SHEET 36
DRAWING REF: BCIDB-JAC-GEO_GA-0002_XX_00-DR-CR-0036



TYPICAL SECTION AN-AN
SWORDS ROAD
LOCATED ON GA SHEET 36
DRAWING REF: BCIDB-JAC-GEO_GA-0002_XX_00-DR-CR-0036

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Project Code	Originator Code	QMS Code		
BCIDB	JAC			

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title SWORDS TO CITY CENTRE CORE BUS CORRIDOR SCHEME TYPICAL CROSS SECTIONS			
Drawing File Name	Sheet Number	Status	Rev
BCIDB-JAC-GEO_CS-0002_XX_00-DR-CR-0020	20 of 20	A	M01

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