



**Appendix B4**  
Typical Cross-sections



# BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS

## LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME

| DRAWING SERIES NUMBER(S)                       | DRAWING SERIES DESCRIPTION   |
|--|--|
| BCIDB-JAC-GEO_IX-0007_XX_00-DR-CR-0003         | LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME. TYPICAL CROSS SECTIONS. COVER SHEET |
| BCIDB-JAC-GEO_CS-0007_XX_00-DR-CR-0001 to 0023 | LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME. TYPICAL CROSS SECTIONS              |

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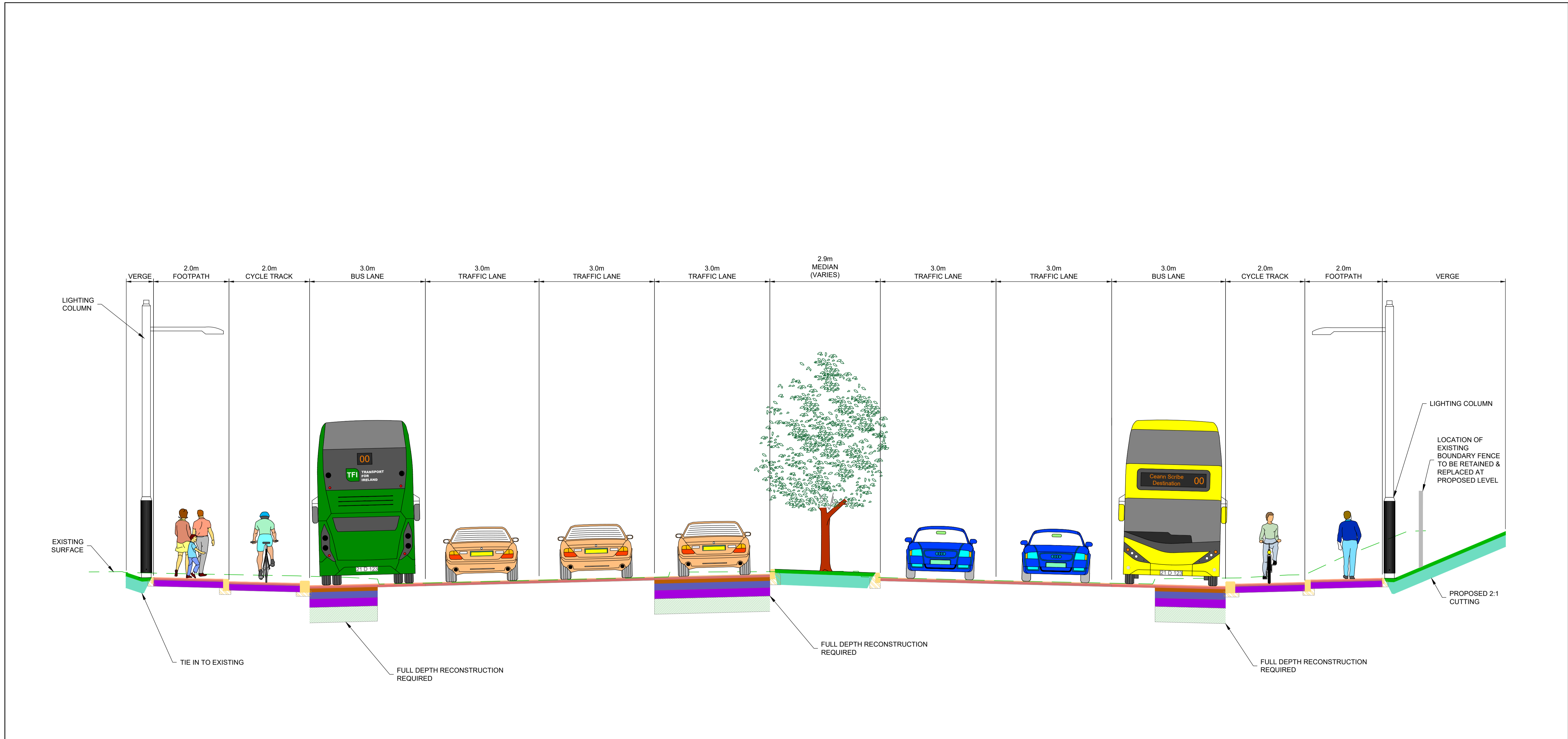


| Rev | Date       | Dwn | Chk'd | App'd | Description                 |
|-----|------------|-----|-------|-------|-----------------------------|
| M01 | 07/06/2022 | PT  | KM    | JB    | ISSUE FOR PHASE 4: PLANNING |

|  |                               |                                       |               |                |
|--|-------------------------------|---------------------------------------|---------------|----------------|
| Client<br><b>NTA</b><br>Údarás Náisiúnta Iompair<br>National Transport Authority |                               | Engineering Designer<br><b>Jacobs</b> |               |                |
| Date<br>07/06/2022   | Scale<br>NTS @ A1<br>NTS @ A3 | Drawn<br>PT                           | Checked<br>KM | Approved<br>JB |
| Project Code<br>BCIDB  | Originator Code<br>JAC        | QMS Code                              |               |                |

|   |                          |             |            |  |
|---|--------------------------|-------------|------------|--|
| Programme Title<br><b>BUSCONNECTS DUBLIN<br/>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>                        |                          |             |            |  |
| Drawing Title<br>LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME<br>TYPICAL CROSS SECTIONS<br>COVER SHEET |                          |             |            |  |
| Drawing File Name<br>BCIDB-JAC-GEO_IX-0007_XX_00-DR-CR-0003   | Sheet Number<br>01 of 01 | Status<br>A | Rev<br>M01 |  |

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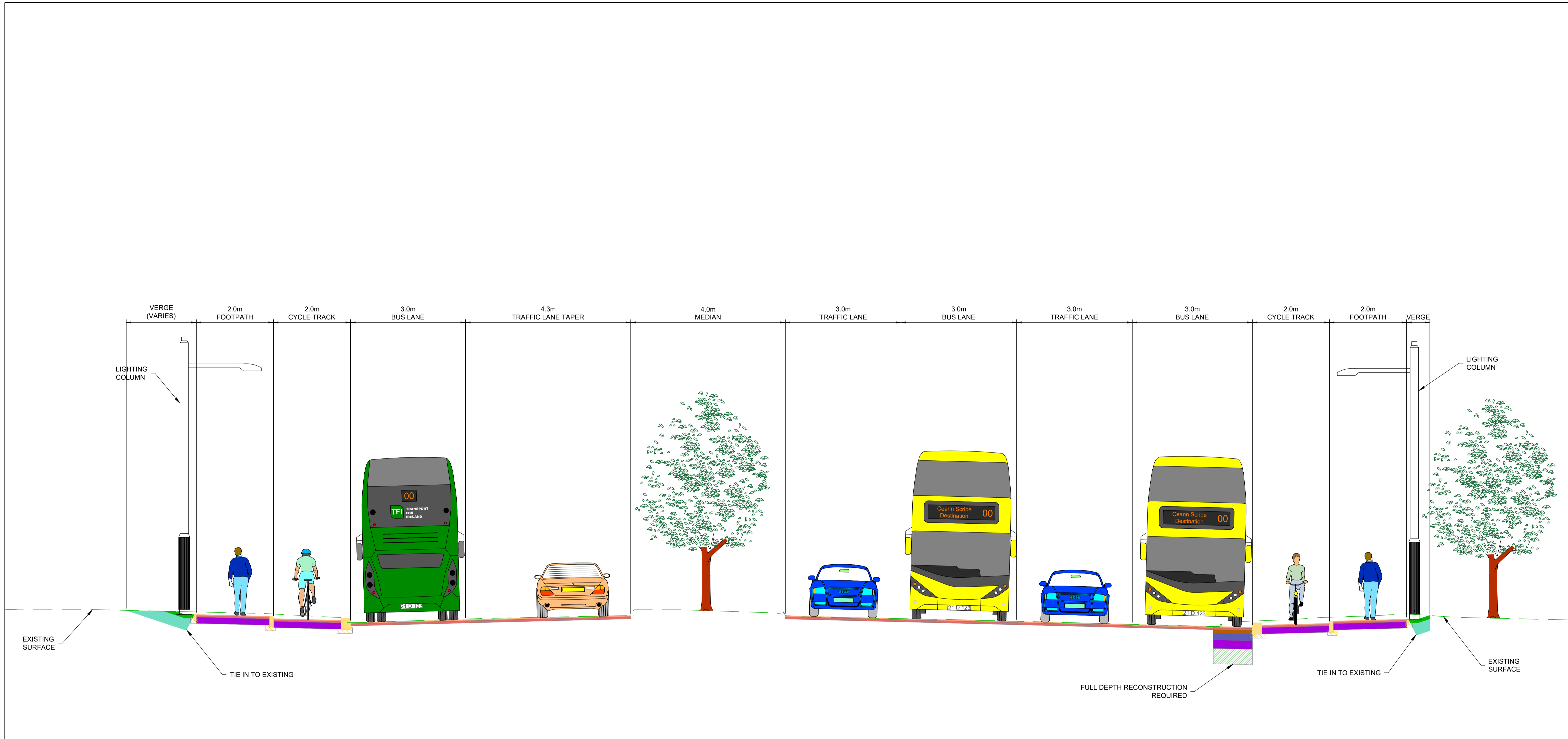
TYPICAL CROSS SECTION A-A  
 FONTHILL ROAD  
 LOCATED ON GA MAP 04  
 DRAWING REF: BCIDB-JAC-GEO\_GA-0007\_XX\_00-DR-CR-0004

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|   |  | M01 | 07/06/2022 | PT  | KM    | JB    | ISSUE FOR PHASE 4: PLANNING |  | Date                     | Scale | Drawn | Checked   | Approved  | Drawing Title                          | Drawing File Name | Sheet Number | Status |
|   |  |     |            |     |       |       |                             | 07/06/2022   | 1:50 @ A1<br>1:100 @ A3  | PT    | KM    | JB  | LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME<br>TYPICAL CROSS SECTIONS | BCIDB-JAC-GEO_CS-0007_XX_00-DR-CR-0001 | 01 of 23          | A            | M01    |

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TYPICAL CROSS SECTION B-B  
 FONTHILL ROAD  
 LOCATED ON GA MAP 05  
 DRAWING REF: BCIDB-JAC-GEO\_GA-0007\_XX\_00-DR-CR-0005

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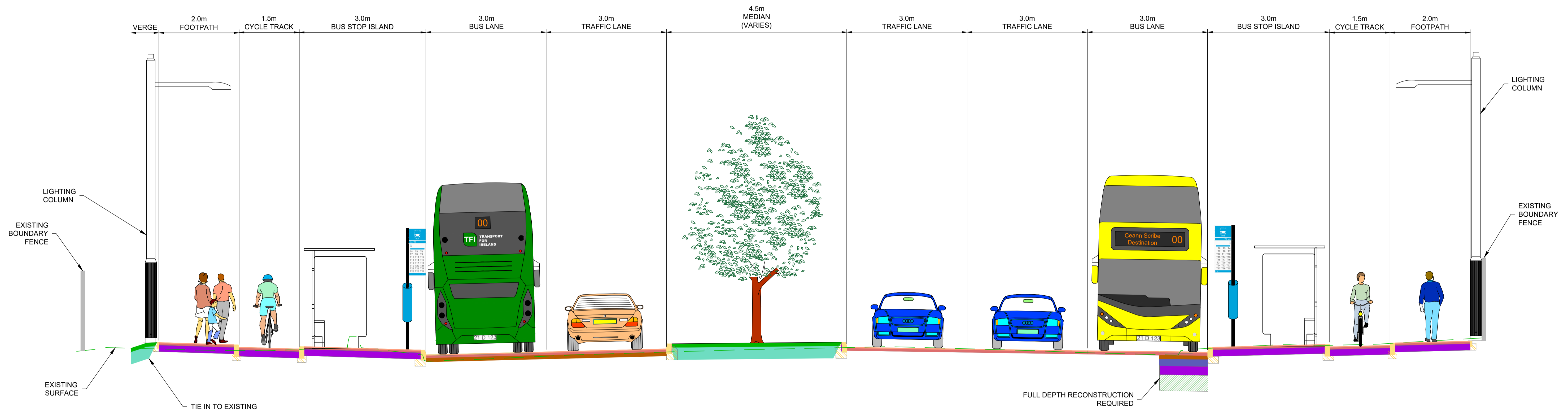
| Rev | Date       | Drn | Chk'd | App'd | Description                 |
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| BCIDB        | JAC                     |          |         |          |

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| <b>Programme Title</b><br>BUSCONNECTS DUBLIN<br>CORE BUS CORRIDORS INFRASTRUCTURE WORKS                 |              |        |     |
| <b>Drawing Title</b><br>LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME<br>TYPICAL CROSS SECTIONS |              |        |     |
| Drawing File Name   | Sheet Number | Status | Rev |
| BCIDB-JAC-GEO_CS-0007_XX_00-DR-CR-0002  | 02 of 23     | A      | M01 |

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TYPICAL CROSS SECTION C-C  
 COLD CUT ROAD  
 LOCATED ON GA MAP 05  
 DRAWING REF: BCIDB-JAC-GEO\_GA-0007\_XX\_00-DR-CR-0005

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| Date<br>07/06/2022   | Scale<br>1:50 @ A1<br>1:100 @ A3 | Drawn<br>PT                           | Checked<br>KM | Approved<br>JB |
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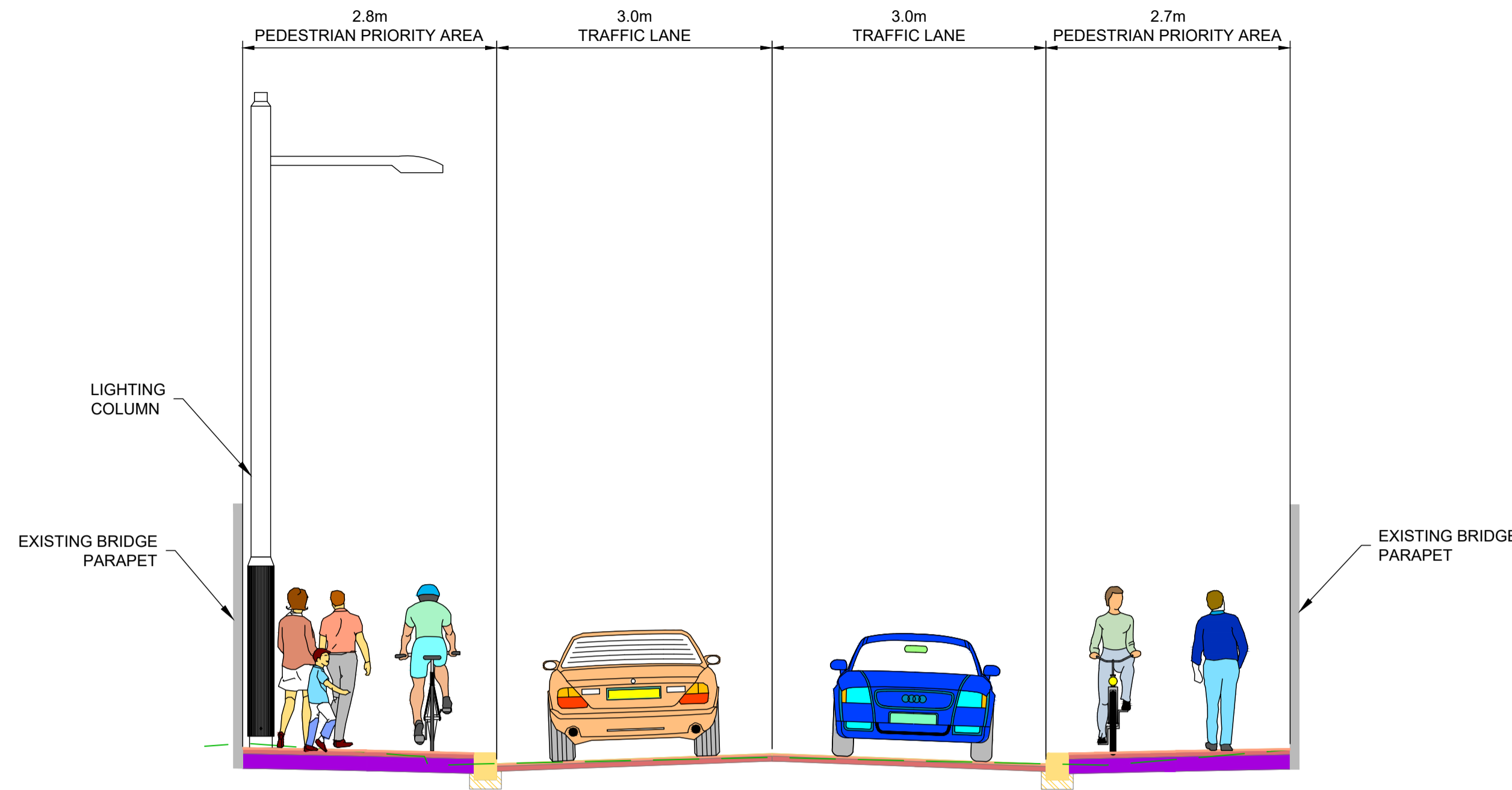
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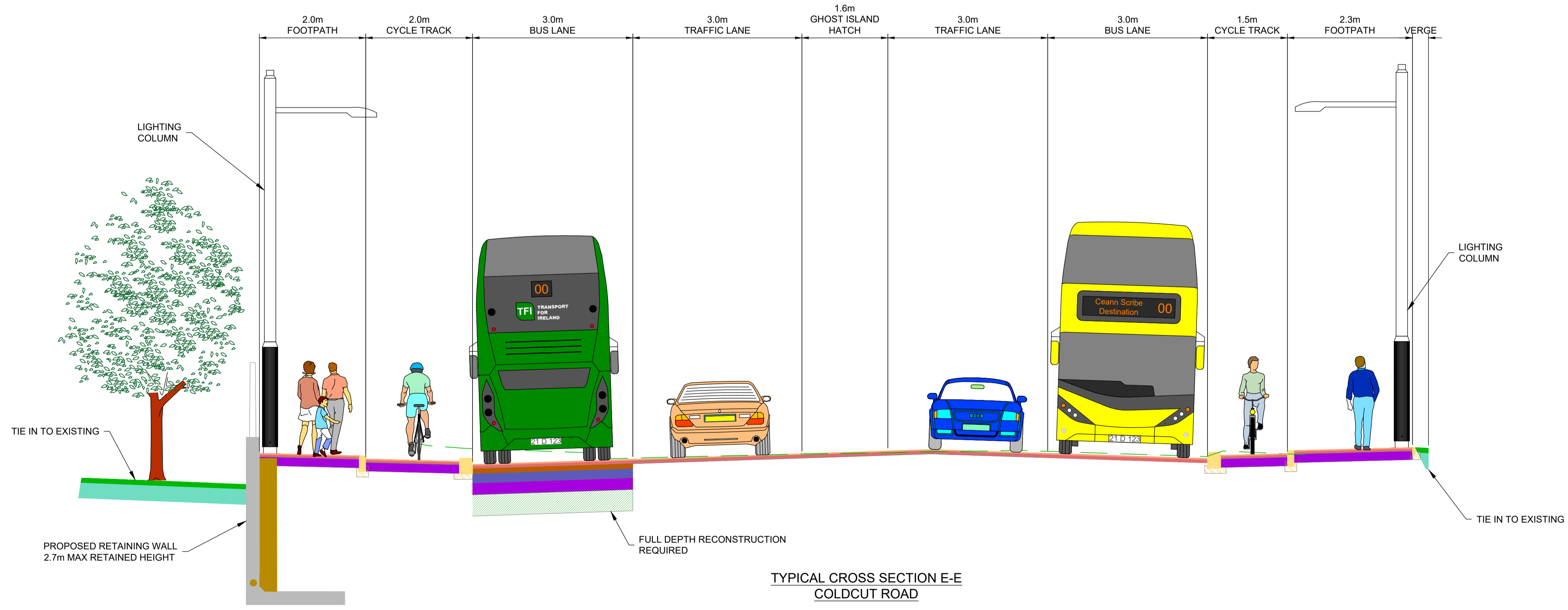
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**TYPICAL CROSS SECTION D-D  
COLD CUT ROAD**  
LOCATED ON GA MAP 05  
DRAWING REF: BCIDB-JAC-GEO\_GA-0007\_XX\_00-DR-CR-0005



**TYPICAL CROSS SECTION E-E  
COLD CUT ROAD**  
LOCATED ON GA MAP 06  
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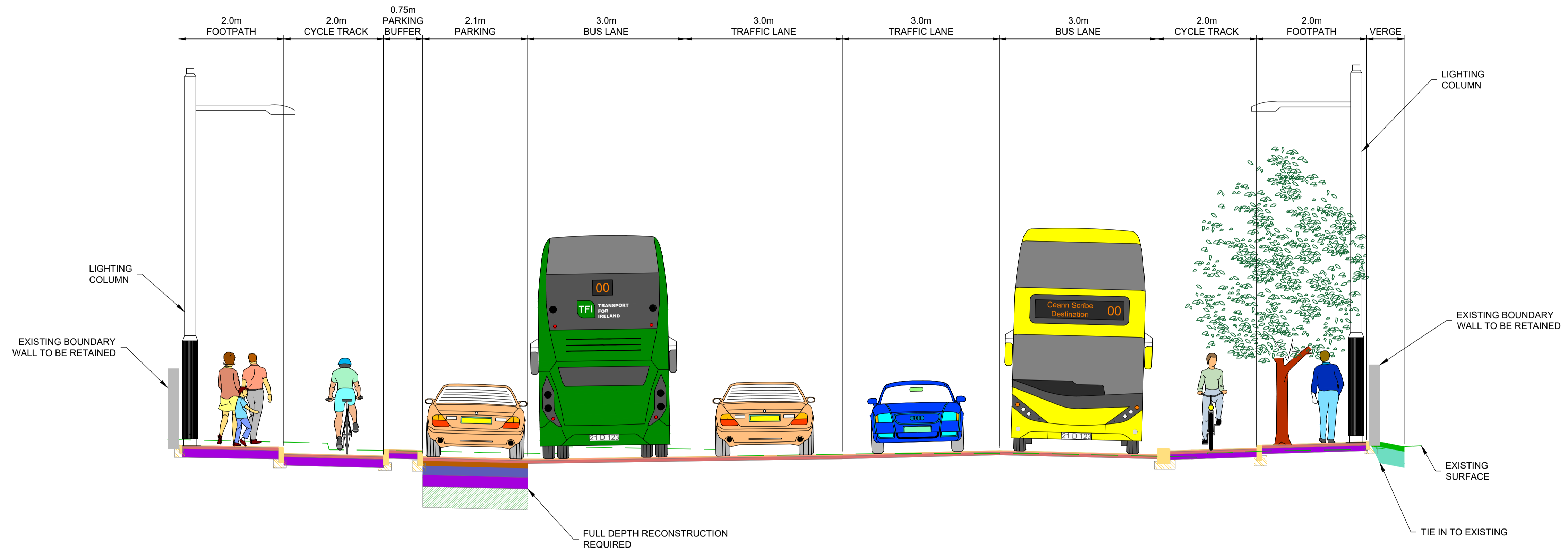
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| <b>Drawing Title</b><br>LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME<br>TYPICAL CROSS SECTIONS |              |        |     |
| Drawing File Name   | Sheet Number | Status | Rev |
| BCIDB-JAC-GEO_CS-0007_XX_00-DR-CR-0004  | 04 of 23     | A      | M01 |

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TYPICAL CROSS SECTION F-F  
 BALLYFERMOT ROAD  
 LOCATED ON GA MAP 08  
 DRAWING REF: BCIDB-JAC-GEO\_GA-0007\_XX\_00-DR-CR-0008

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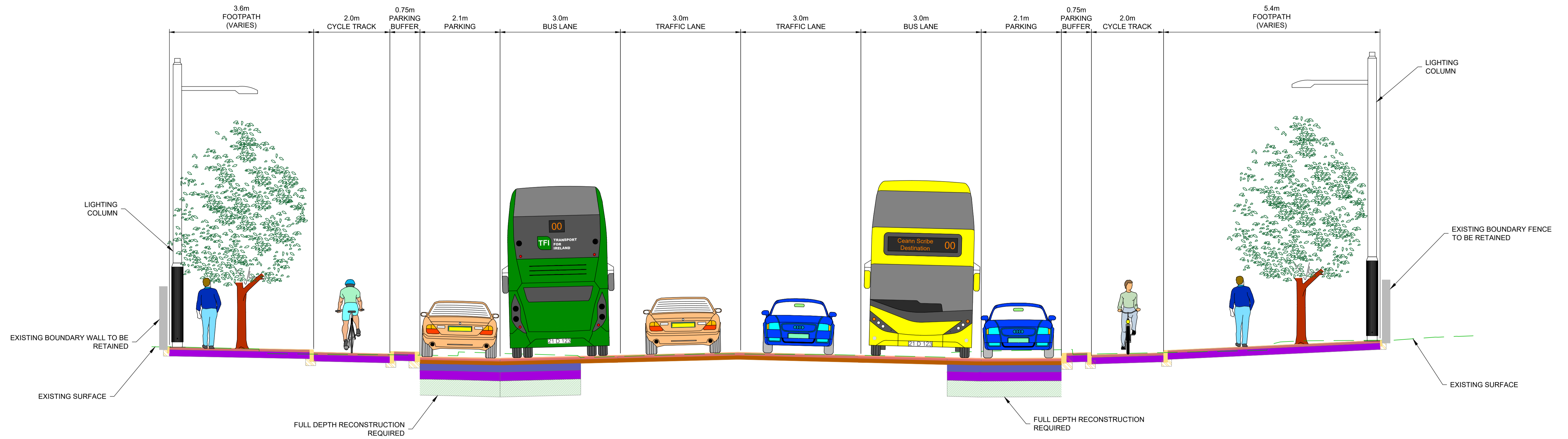
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| 07/06/2022   | 1:50 @ A1<br>1:100 @ A3 | PT                          | KM      | JB       |
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| <p>Programme Title</p> <p><b>BUSCONNECTS DUBLIN</b><br/>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</p>          |              |        |     |
| <p>Drawing Title</p> <p>LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME<br/>TYPICAL CROSS SECTIONS</p> |              |        |     |
| Drawing File Name  | Sheet Number | Status | Rev |
| BCIDB-JAC-GEO_CS-0007_XX_00-DR-CR-0005   | 05 of 23     | A      | M01 |

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TYPICAL CROSS SECTION G-G  
 BALLYFERMOT ROAD  
 LOCATED ON GA MAP 09  
 DRAWING REF: BCIDB-JAC-GEO\_GA-0007\_XX\_00-DR-CR-0009

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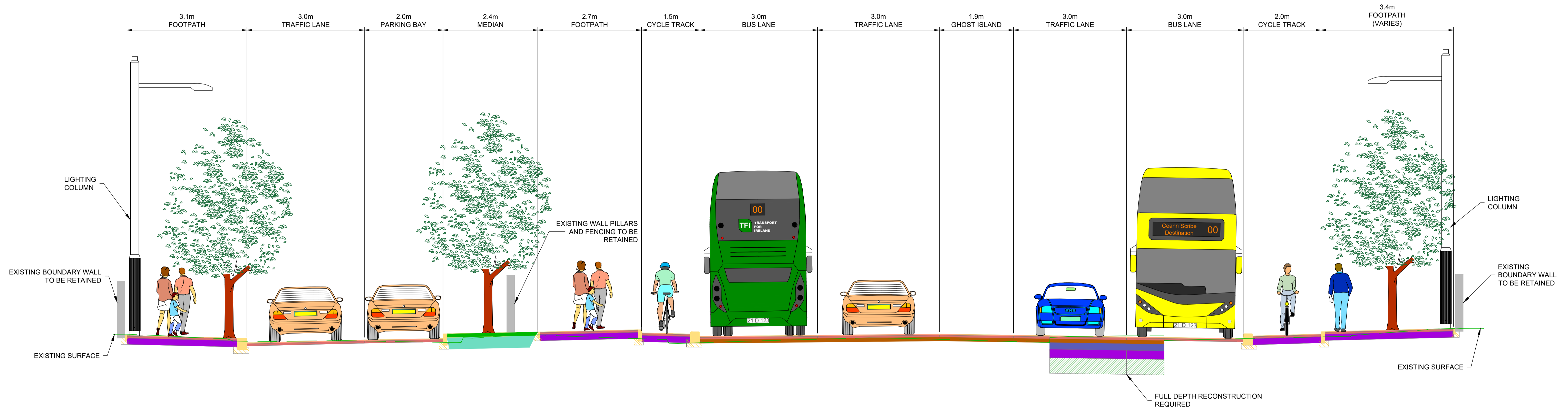
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| Client<br><b>NTA</b><br>Údarás Náisiúnta Iompair<br>National Transport Authority |                                  | Engineering Designer<br><b>Jacobs</b> |               |                |
| Date<br>07/06/2022   | Scale<br>1:50 @ A1<br>1:100 @ A3 | Drawn<br>PT                           | Checked<br>KM | Approved<br>JB |
| Project Code<br>BCIDB  | Originator Code<br>JAC           | QMS Code                              |               |                |

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|--|--------------------------|-------------|------------|
| Programme Title<br><b>BUSCONNECTS DUBLIN<br/>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>         |                          |             |            |
| Drawing Title<br>LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME<br>TYPICAL CROSS SECTIONS |                          |             |            |
| Drawing File Name<br>BCIDB-JAC-GEO_CS-0007_XX_00-DR-CR-0006                                      | Sheet Number<br>06 of 23 | Status<br>A | Rev<br>M01 |

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TYPICAL CROSS SECTION H-H  
 BALLYFERMOT ROAD  
 LOCATED ON GA MAP 10  
 DRAWING REF: BCIDB-JAC-GEO\_GA-0007\_XX\_00-DR-CR-0010

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| Client<br><b>NTA</b><br>Údarás Náisiúnta Iompair<br>National Transport Authority |                                  | Engineering Designer<br><b>Jacobs</b> |               |                |
| Date<br>07/06/2022   | Scale<br>1:50 @ A1<br>1:100 @ A3 | Drawn<br>PT                           | Checked<br>KM | Approved<br>JB |
| Project Code<br>BCIDB  | Originator Code<br>JAC           | QMS Code                              |               |                |

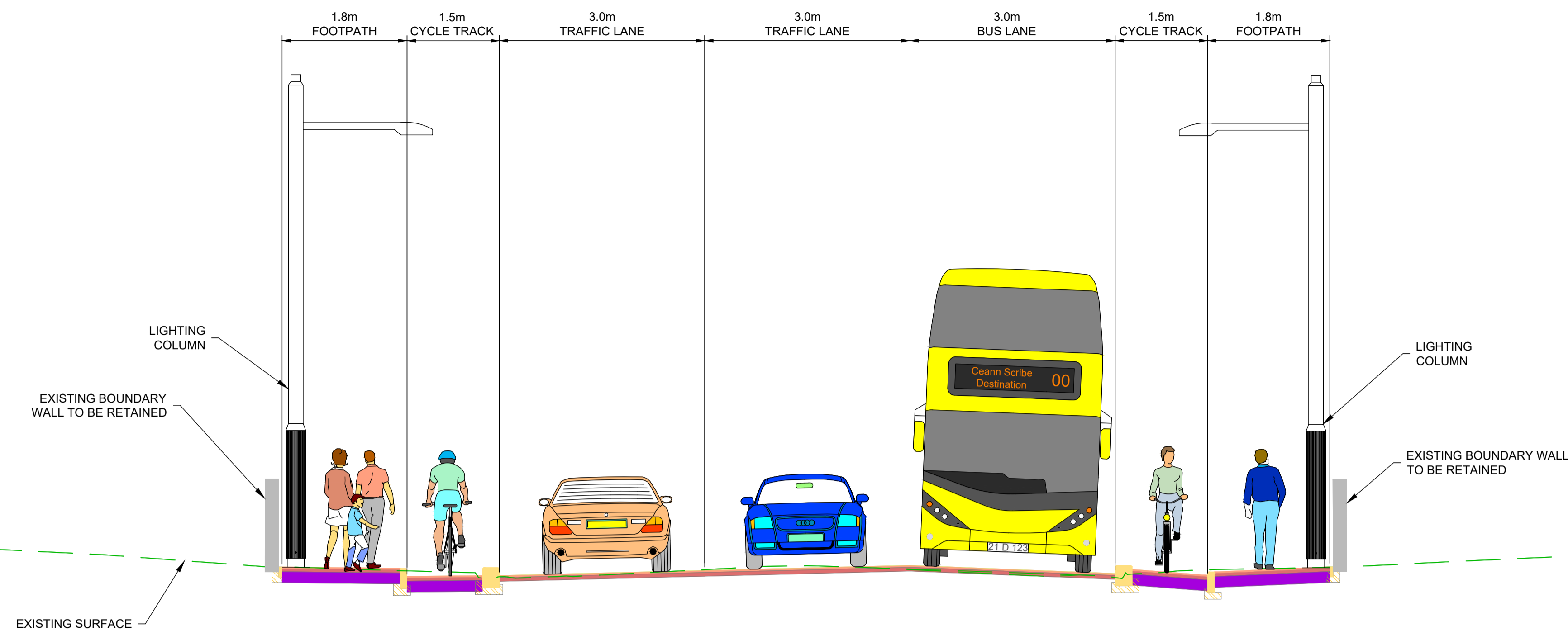
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| Programme Title<br><b>BUSCONNECTS DUBLIN<br/>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>         |                          |             |            |
| Drawing Title<br>LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME<br>TYPICAL CROSS SECTIONS |                          |             |            |
| Drawing File Name<br>BCIDB-JAC-GEO_CS-0007_XX_00-DR-CR-0007                                      | Sheet Number<br>07 of 23 | Status<br>A | Rev<br>M01 |

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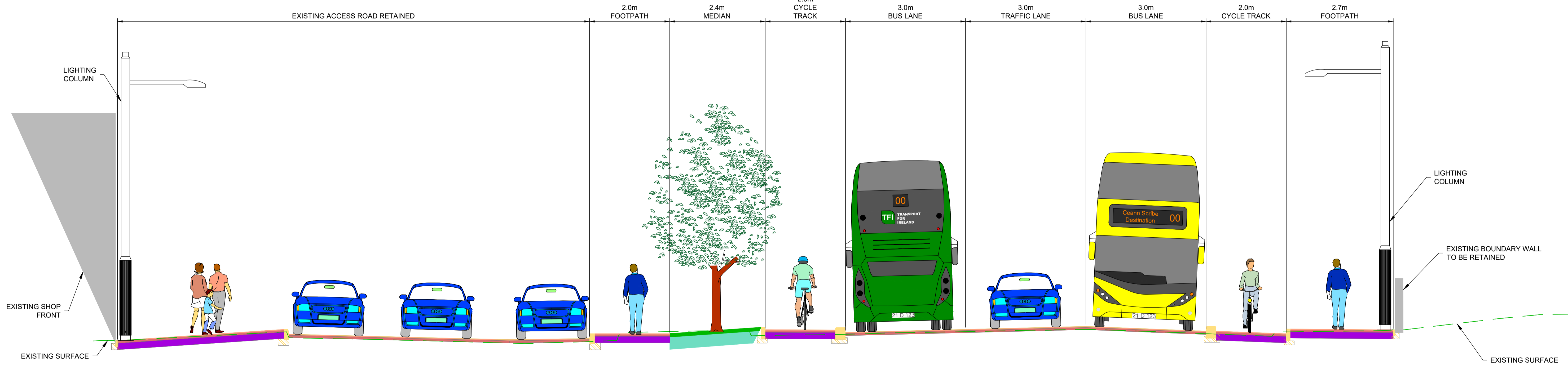
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**TYPICAL CROSS SECTION I-I**  
**BALLYFERMOT ROAD**  
 LOCATED ON GA MAP 11  
 DRAWING REF: BCIDB-JAC-GEO\_GA-0007\_XX\_00-DR-CR-0011



**TYPICAL CROSS SECTION J-J**  
**BALLYFERMOT ROAD**  
 LOCATED ON GA MAP 11  
 DRAWING REF: BCIDB-JAC-GEO\_GA-0007\_XX\_00-DR-CR-0011

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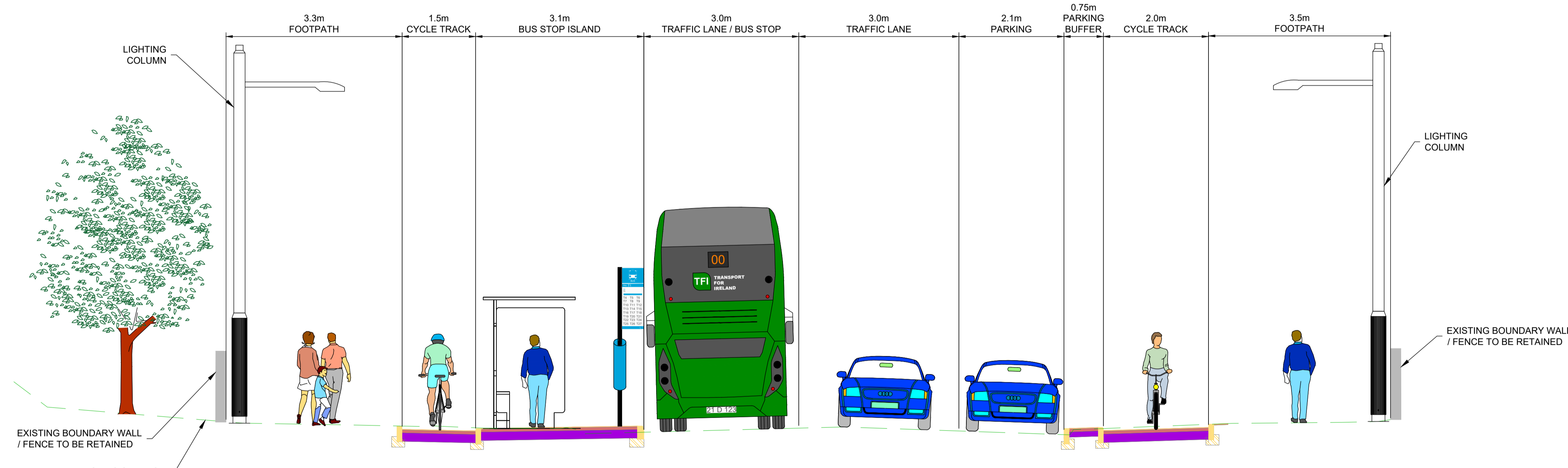


| Rev | Date       | Drn | Chk'd | App'd | Description                 |
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| M01 | 07/06/2022 | PT  | KM    | JB    | ISSUE FOR PHASE 4: PLANNING |

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

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| <b>Programme Title</b><br><b>BUSCONNECTS DUBLIN</b><br><b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>   |              |        |     |
| <b>Drawing Title</b><br>LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME<br>TYPICAL CROSS SECTIONS |              |        |     |
| Drawing File Name   | Sheet Number | Status | Rev |
| BCIDB-JAC-GEO_CS-0007_XX_00-DR-CR-0008  | 08 of 23     | A      | M01 |

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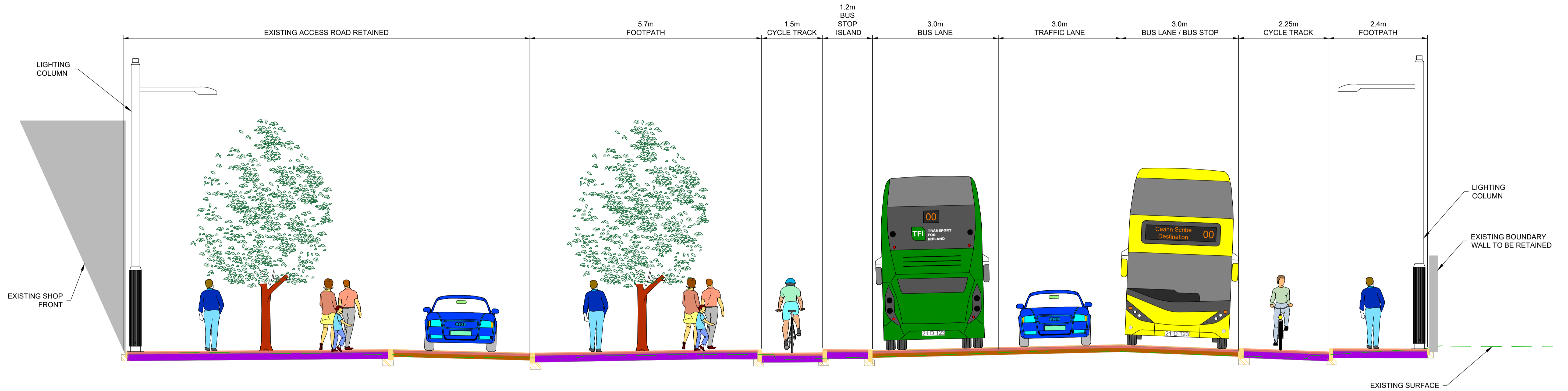
TYPICAL CROSS SECTION K-K  
 KYLEMORE ROAD  
 LOCATED ON GA MAP 12  
 DRAWING REF: BCIDB-JAC-GEO\_GA-0007\_XX\_00-DR-CR-0012

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| <p><b>Project Ireland 2040</b><br/>Building Ireland's Future</p>  |  | <p>Date 07/06/2022</p>             |  | <p>Scale 1:50 @ A1<br/>1:100 @ A3</p>              |  | <p>Drawn PT</p>  |  | <p>Checked KM</p>                             |  | <p>Approved JB</p>               |  | <p>Drawing Title<br/>LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME<br/>TYPICAL CROSS SECTIONS</p> |  |                    |  |
| <p>Project Code BCIDB</p>   |  | <p>Originator Code JAC</p>         |  | <p>QMS Code</p>                                    |  | <p>Drawing File Name<br/>BCIDB-JAC-GEO_CS-0007_XX_00-DR-CR-0009</p>                        |  |   |  | <p>Sheet Number<br/>09 of 23</p> |  | <p>Status<br/>A</p>   |  | <p>Rev<br/>M01</p> |  |

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TYPICAL CROSS SECTION L-L  
 BALLYFERMOT ROAD  
 LOCATED ON GA MAP 13  
 DRAWING REF: BCIDB-JAC-GEO\_GA-0007\_XX\_00-DR-CR-0013

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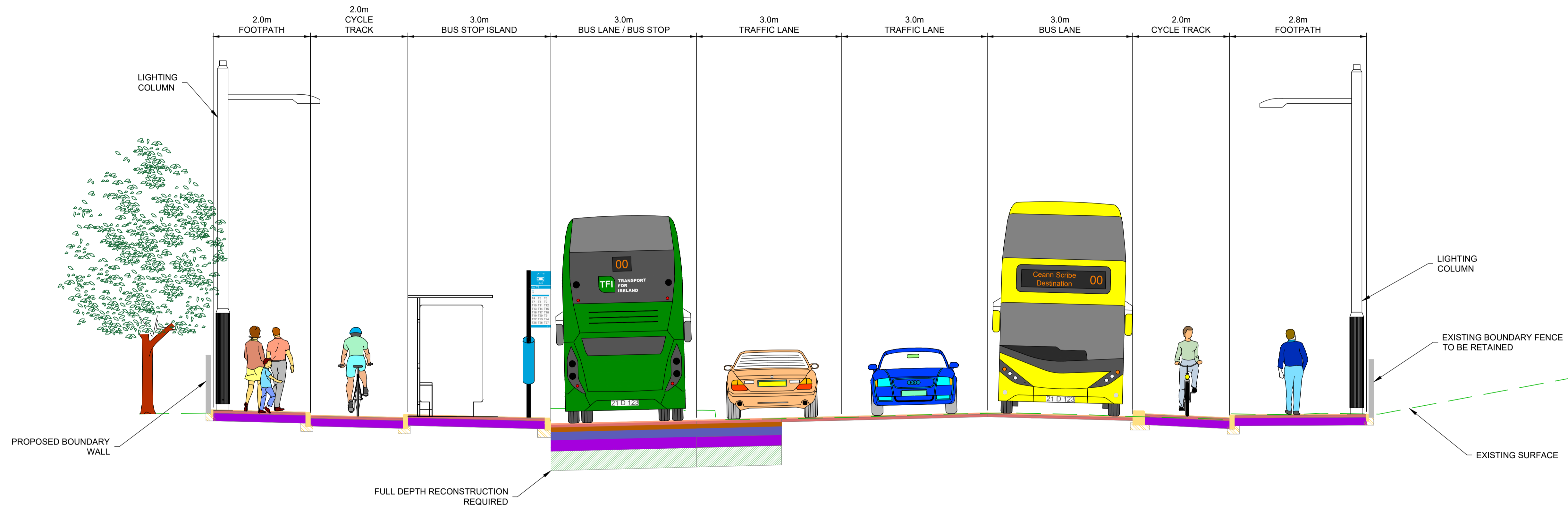


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| M01 | 07/06/2022 | PT  | KM    | JB    | ISSUE FOR PHASE 4: PLANNING |

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| Date<br>07/06/2022   | Scale<br>1:50 @ A1<br>1:100 @ A3 | Drawn<br>PT                           | Checked<br>KM | Approved<br>JB |
| Project Code<br>BCIDB  | Originator Code<br>JAC           | QMS Code                              |               |                |

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| Programme Title<br><b>BUSCONNECTS DUBLIN<br/>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>         |                          |             |            |
| Drawing Title<br>LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME<br>TYPICAL CROSS SECTIONS |                          |             |            |
| Drawing File Name<br>BCIDB-JAC-GEO_CS-0007_XX_00-DR-CR-0010                                      | Sheet Number<br>10 of 23 | Status<br>A | Rev<br>M01 |

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TYPICAL CROSS SECTION M-M  
 BALLYFERMOT ROAD  
 LOCATED ON GA MAP 14  
 DRAWING REF: BCIDB-JAC-GEO\_GA-0007\_XX\_00-DR-CR-0014

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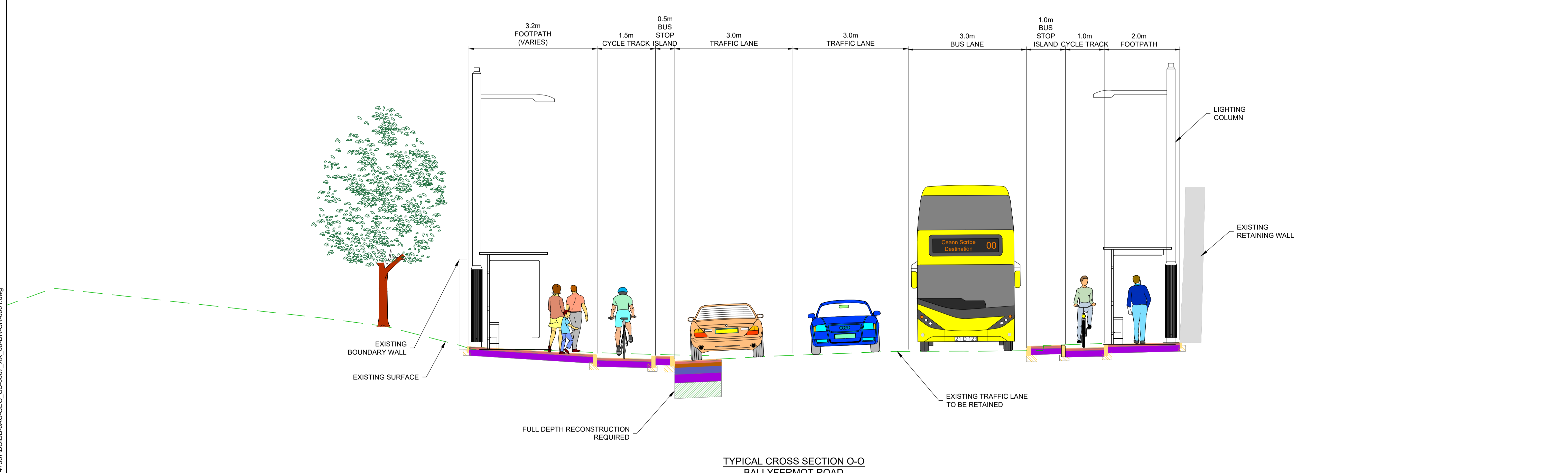
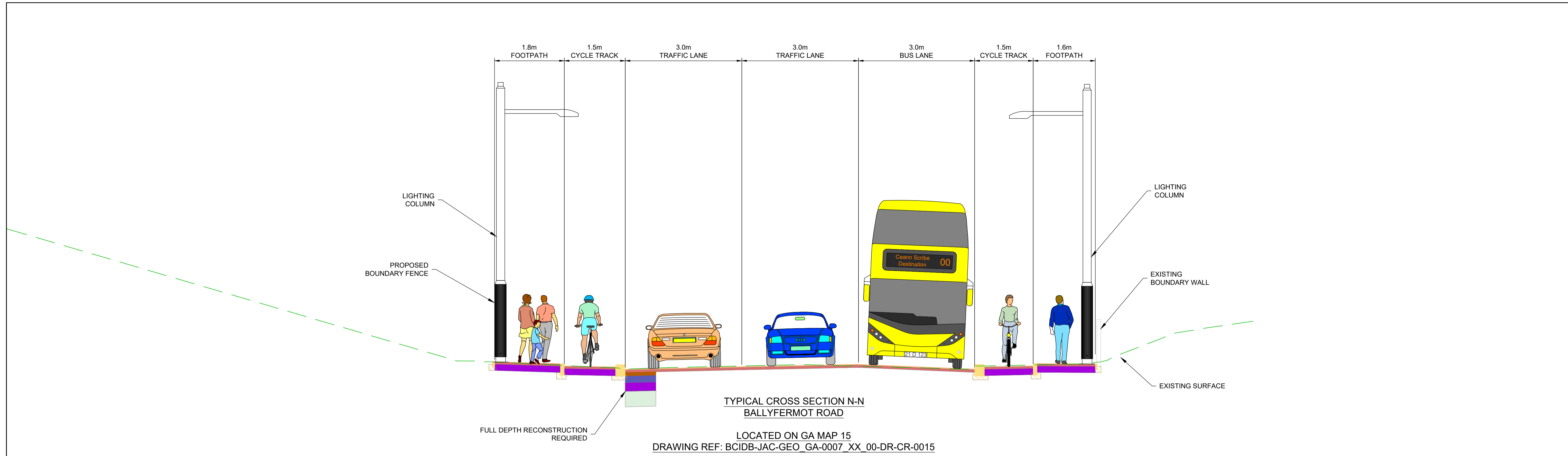


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| Date<br>07/06/2022   | Scale<br>1:50 @ A1<br>1:100 @ A3 | Drawn<br>PT                           | Checked<br>KM | Approved<br>JB |
| Project Code<br>BCIDB  | Originator Code<br>JAC           | QMS Code                              |               |                |

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| Programme Title<br><b>BUSCONNECTS DUBLIN<br/>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>         |                          |             |            |
| Drawing Title<br>LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME<br>TYPICAL CROSS SECTIONS |                          |             |            |
| Drawing File Name<br>BCIDB-JAC-GEO_CS-0007_XX_00-DR-CR-0011                                      | Sheet Number<br>11 of 23 | Status<br>A | Rev<br>M01 |

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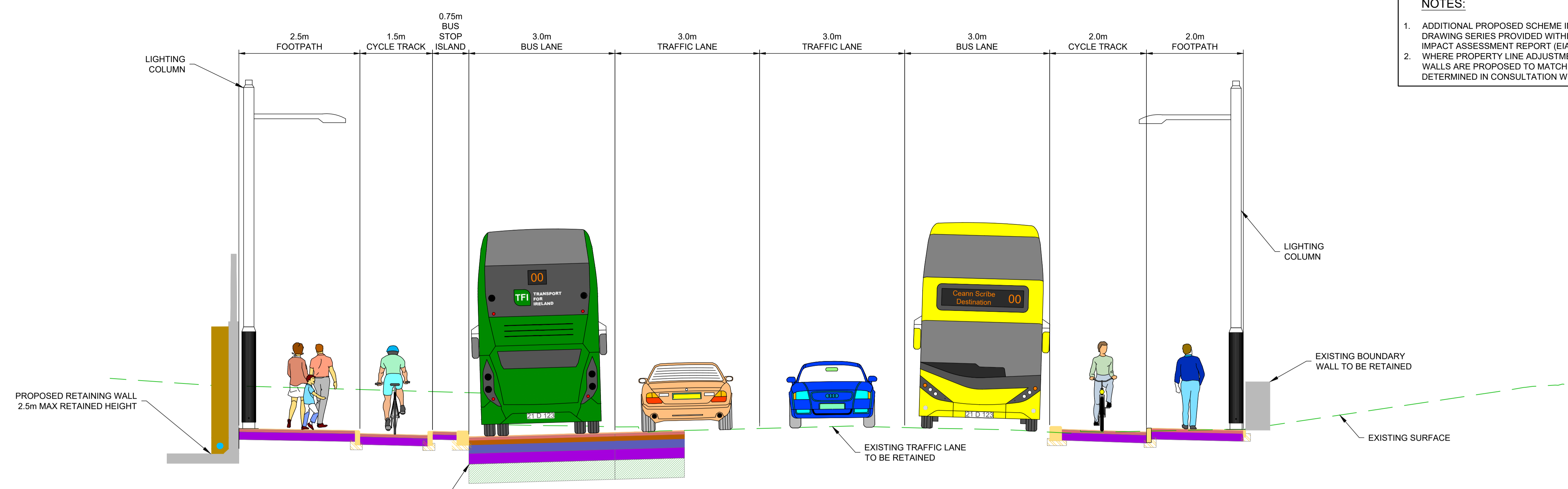
| <p><b>Project Ireland 2040</b><br/>Building Ireland's Future</p> |            | <table border="1"> <thead> <tr> <th>Rev</th> <th>Date</th> <th>Drn</th> <th>Chk'd</th> <th>App'd</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>M01</td> <td>07/06/2022</td> <td>PT</td> <td>KM</td> <td>JB</td> <td>ISSUE FOR PHASE 4: PLANNING</td> </tr> </tbody> </table> |       |                     | Rev                         | Date                   | Drn   | Chk'd                            | App'd               | Description        | M01 | 07/06/2022 | PT | KM | JB | ISSUE FOR PHASE 4: PLANNING | <p>Client<br/><b>NTA</b><br/>Údarás Náisiúnta Iompair<br/>National Transport Authority</p> |  | <p>Engineering Designer<br/><b>Jacobs</b></p> |  |  | <p>Programme Title<br/><b>BUSCONNECTS DUBLIN<br/>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b></p> |  |  |  |
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| <p>Date<br/>07/06/2022</p>                                       |            | <p>Scale<br/>1:50 @ A1<br/>1:100 @ A3</p>  |       | <p>Drawn<br/>PT</p> | <p>Checked<br/>KM</p>       | <p>Approved<br/>JB</p> | <p>Drawing Title<br/>LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME<br/>TYPICAL CROSS SECTIONS</p> |                                  |                     |                    |     |            |    |    |    |                             |  |  |   |  |  |  |  |  |  |
| <p>Project Code<br/>BCIDB</p>                                    |            | <p>Originator Code<br/>JAC</p>   |       | <p>QMS Code</p>     |                             |                        | <p>Drawing File Name<br/>BCIDB-JAC-GEO_CS-0007_XX_00-DR-CR-0012</p>                                       | <p>Sheet Number<br/>12 of 23</p> | <p>Status<br/>A</p> | <p>Rev<br/>M01</p> |     |            |    |    |    |                             |  |  |   |  |  |  |  |  |  |

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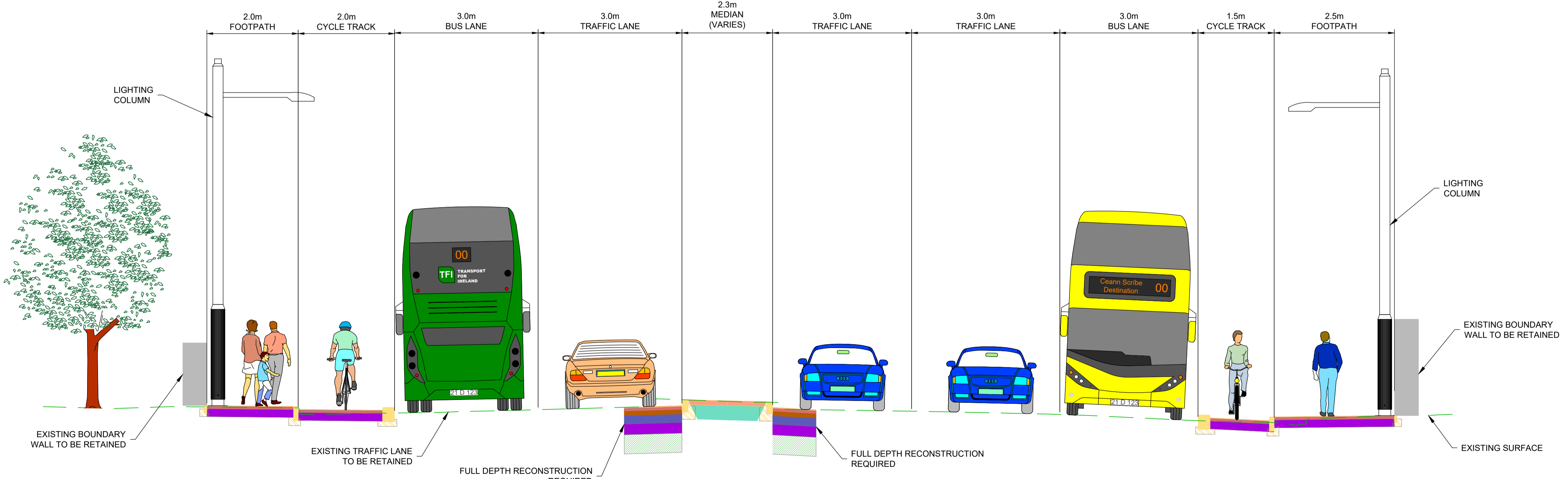
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**NOTES:**

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- WHERE PROPERTY LINE ADJUSTMENTS ARE PROPOSED, NEW BOUNDARY WALLS ARE PROPOSED TO MATCH EXISTING UNLESS OTHERWISE DETERMINED IN CONSULTATION WITH THE LANDOWNER.



**TYPICAL CROSS SECTION P-P  
SARFIELD ROAD**  
LOCATED ON GA MAP 17  
DRAWING REF: BCIDB-JAC-GEO\_GA-0007\_XX\_00-DR-CR-0017



**TYPICAL CROSS SECTION Q-Q  
SARFIELD ROAD**  
LOCATED ON GA MAP 17  
DRAWING REF: BCIDB-JAC-GEO\_GA-0007\_XX\_00-DR-CR-0017

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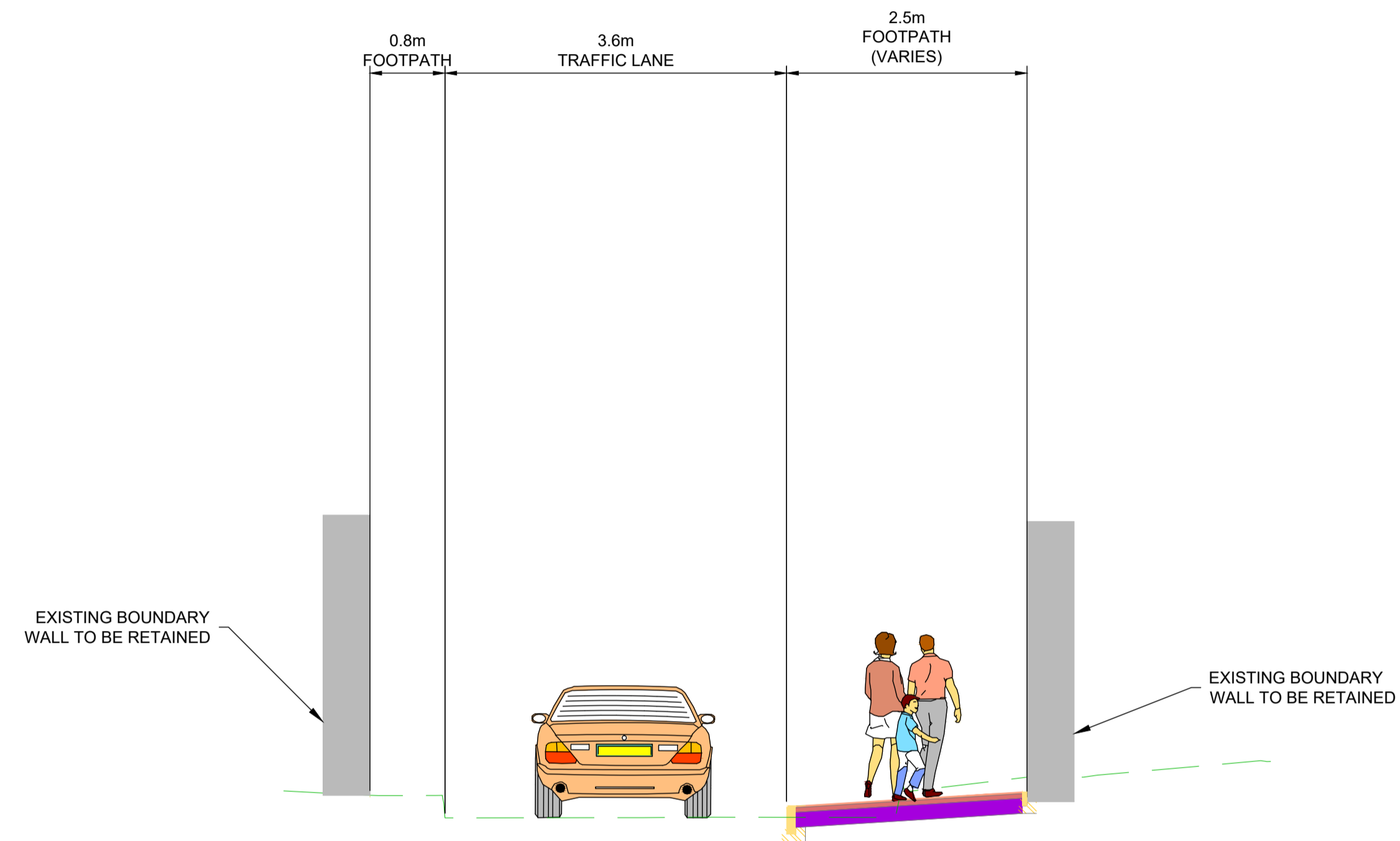
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| Rev | Date       | Drn | Chk'd | App'd | Description                 |
|-----|------------|-----|-------|-------|-----------------------------|
| M01 | 07/06/2022 | PT  | KM    | JB    | ISSUE FOR PHASE 4: PLANNING |

|  |                                  |                                       |               |                |
|--|----------------------------------|---------------------------------------|---------------|----------------|
| Client<br><b>NTA</b><br>Údarás Náisiúnta Iompair<br>National Transport Authority |                                  | Engineering Designer<br><b>Jacobs</b> |               |                |
| Date<br>07/06/2022   | Scale<br>1:50 @ A1<br>1:100 @ A3 | Drawn<br>PT                           | Checked<br>KM | Approved<br>JB |
| Project Code<br>BCIDB  | Originator Code<br>JAC           | QMS Code                              |               |                |

|  |                          |             |            |
|--|--------------------------|-------------|------------|
| Programme Title<br><b>BUSCONNECTS DUBLIN<br/>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>         |                          |             |            |
| Drawing Title<br>LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME<br>TYPICAL CROSS SECTIONS |                          |             |            |
| Drawing File Name<br>BCIDB-JAC-GEO_CS-0007_XX_00-DR-CR-0013                                      | Sheet Number<br>13 of 23 | Status<br>A | Rev<br>M01 |

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TYPICAL CROSS SECTION R-R  
SARSFIELD ROAD  
LOCATED ON GA MAP 18  
DRAWING REF: BCIDB-JAC-GEO\_GA-0007\_XX\_00-DR-CR-0018

**NOTES:**

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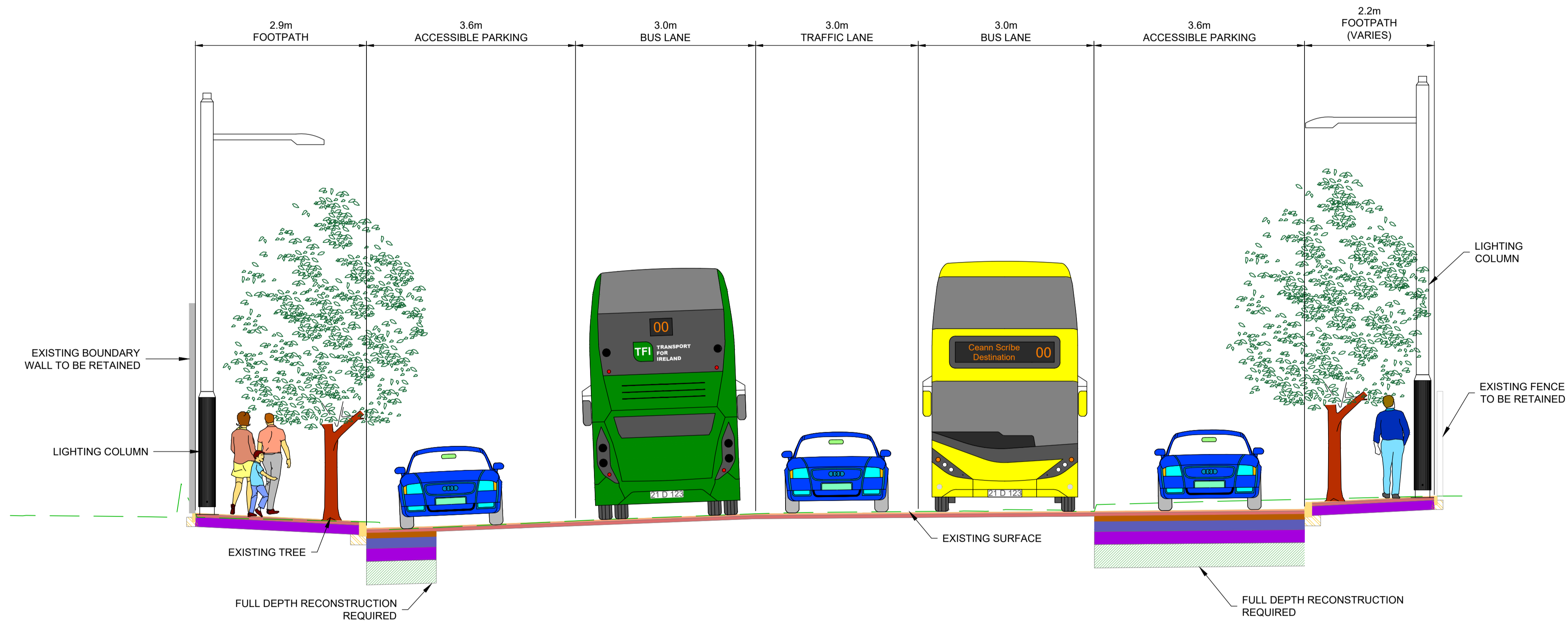
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| Client   |                         |
| <br>Údarás Náisiúnta Iompair<br>National Transport Authority |                         |
| Date   | Scale                   |
| 07/06/2022   | 1:50 @ A1<br>1:100 @ A3 |
| Project Code   | Originator Code         |
| BCIDB  | JAC                     |

|                      |         |          |
|----------------------|---------|----------|
| Engineering Designer |         |          |
|                      |         |          |
| Drawn                | Checked | Approved |
| PT                   | KM      | JB       |
| QMS Code             |         |          |

|   |              |        |     |
|---|--------------|--------|-----|
| Programme Title   |              |        |     |
| <b>BUSCONNECTS DUBLIN</b><br><b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>     |              |        |     |
| Drawing Title   |              |        |     |
| LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME<br>TYPICAL CROSS SECTIONS |              |        |     |
| Drawing File Name   | Sheet Number | Status | Rev |
| BCIDB-JAC-GEO_CS-0007_XX_00-DR-CR-0014  | 14 of 23     | A      | M01 |

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TYPICAL CROSS SECTION S-S  
 GRATTAN CRESCENT  
 LOCATED ON GA MAP 20  
 DRAWING REF: BCIDB-JAC-GEO\_GA-0007\_XX\_00-DR-CR-0020

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| M01 | 07/06/2022 | PT  | KM    | JB    | ISSUE FOR PHASE 4: PLANNING |

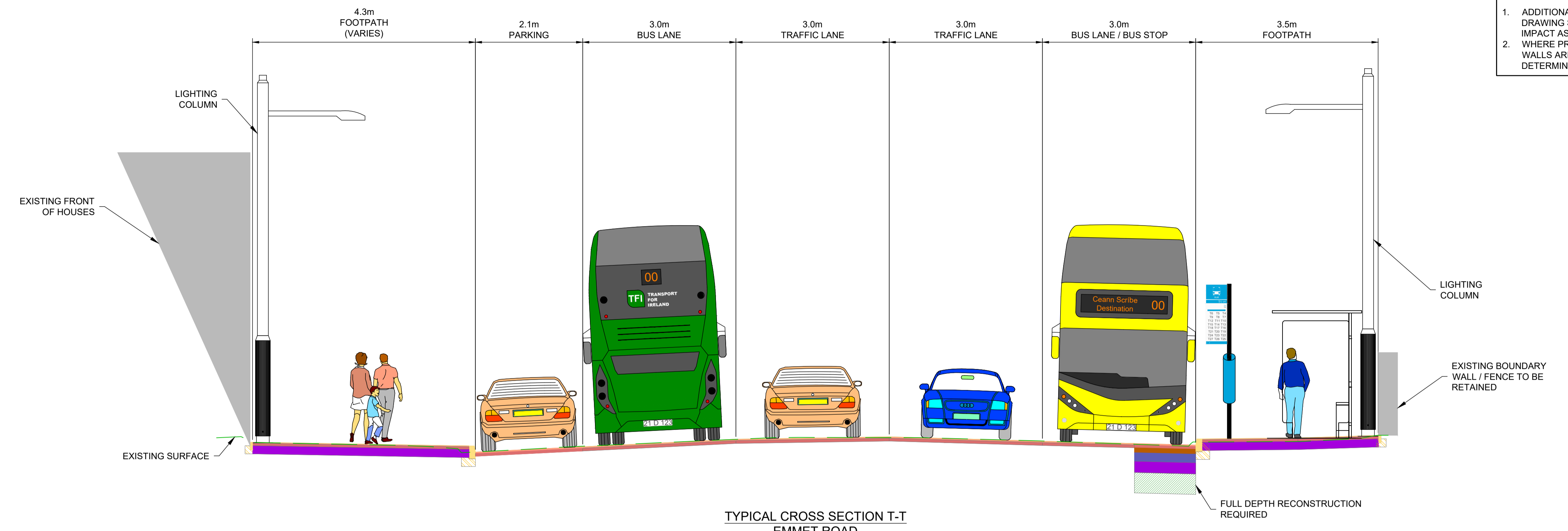
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| 07/06/2022   | 1:50 @ A1<br>1:100 @ A3 | PT       | KM      | JB       |
| Project Code | Originator Code         | QMS Code |         |          |
| BCIDB        | JAC                     |          |         |          |

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|---|--------------|--------|-----|
| <b>Programme Title</b><br>BUSCONNECTS DUBLIN<br>CORE BUS CORRIDORS INFRASTRUCTURE WORKS                 |              |        |     |
| <b>Drawing Title</b><br>LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME<br>TYPICAL CROSS SECTIONS |              |        |     |
| Drawing File Name   | Sheet Number | Status | Rev |
| BCIDB-JAC-GEO_CS-0007_XX_00-DR-CR-0015  | 15 of 23     | A      | M01 |

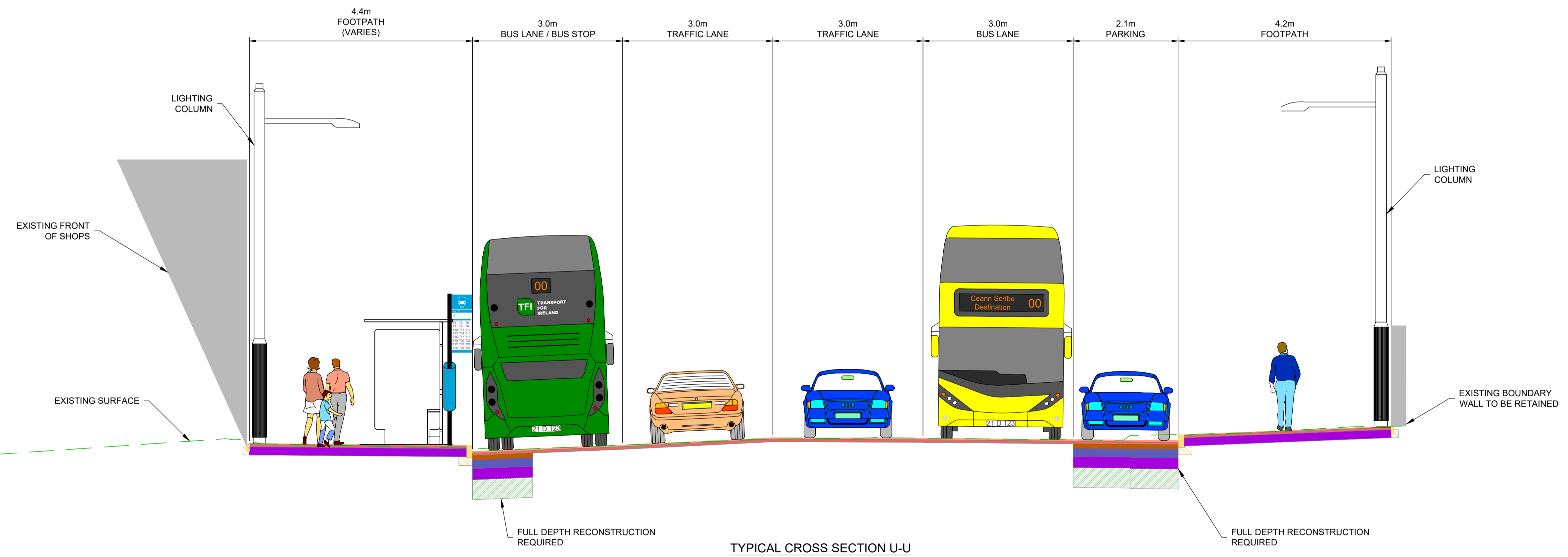
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**TYPICAL CROSS SECTION T-T  
EMMET ROAD**  
LOCATED ON GA MAP 20  
DRAWING REF: BCIDB-JAC-GEO\_GA-0007\_XX\_00-DR-CR-0020



**TYPICAL CROSS SECTION U-U  
EMMET ROAD**  
LOCATED ON GA MAP 21  
DRAWING REF: BCIDB-JAC-GEO\_GA-0007\_XX\_00-DR-CR-0021

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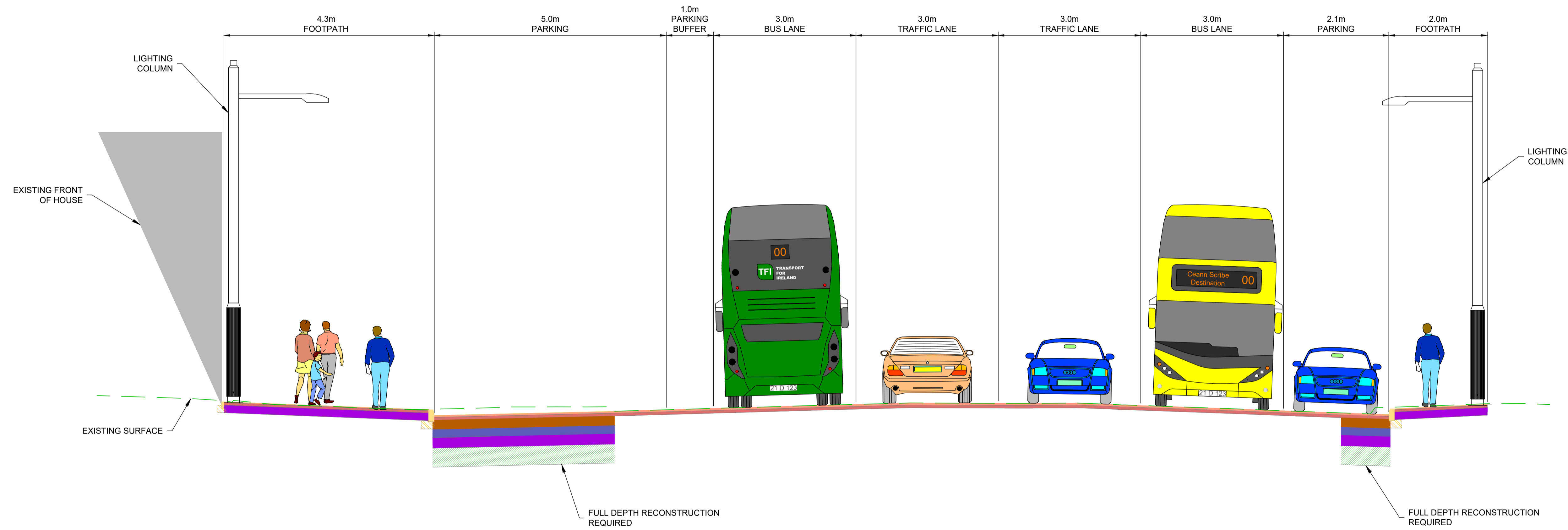


| Rev | Date       | Drn | Chk'd | App'd | Description                 |
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| M01 | 07/06/2022 | PT  | KM    | JB    | ISSUE FOR PHASE 4: PLANNING |

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| Date         | Scale                   | Drawn    | Checked | Approved |
| 07/06/2022   | 1:50 @ A1<br>1:100 @ A3 | PT       | KM      | JB       |
| Project Code | Originator Code         | QMS Code |         |          |
| BCIDB        | JAC                     |          |         |          |

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| <b>Programme Title</b><br><b>BUSCONNECTS DUBLIN</b><br><b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>   |              |        |     |
| <b>Drawing Title</b><br>LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME<br>TYPICAL CROSS SECTIONS |              |        |     |
| Drawing File Name   | Sheet Number | Status | Rev |
| BCIDB-JAC-GEO_CS-0007_XX_00-DR-CR-0016  | 16 of 23     | A      | M01 |




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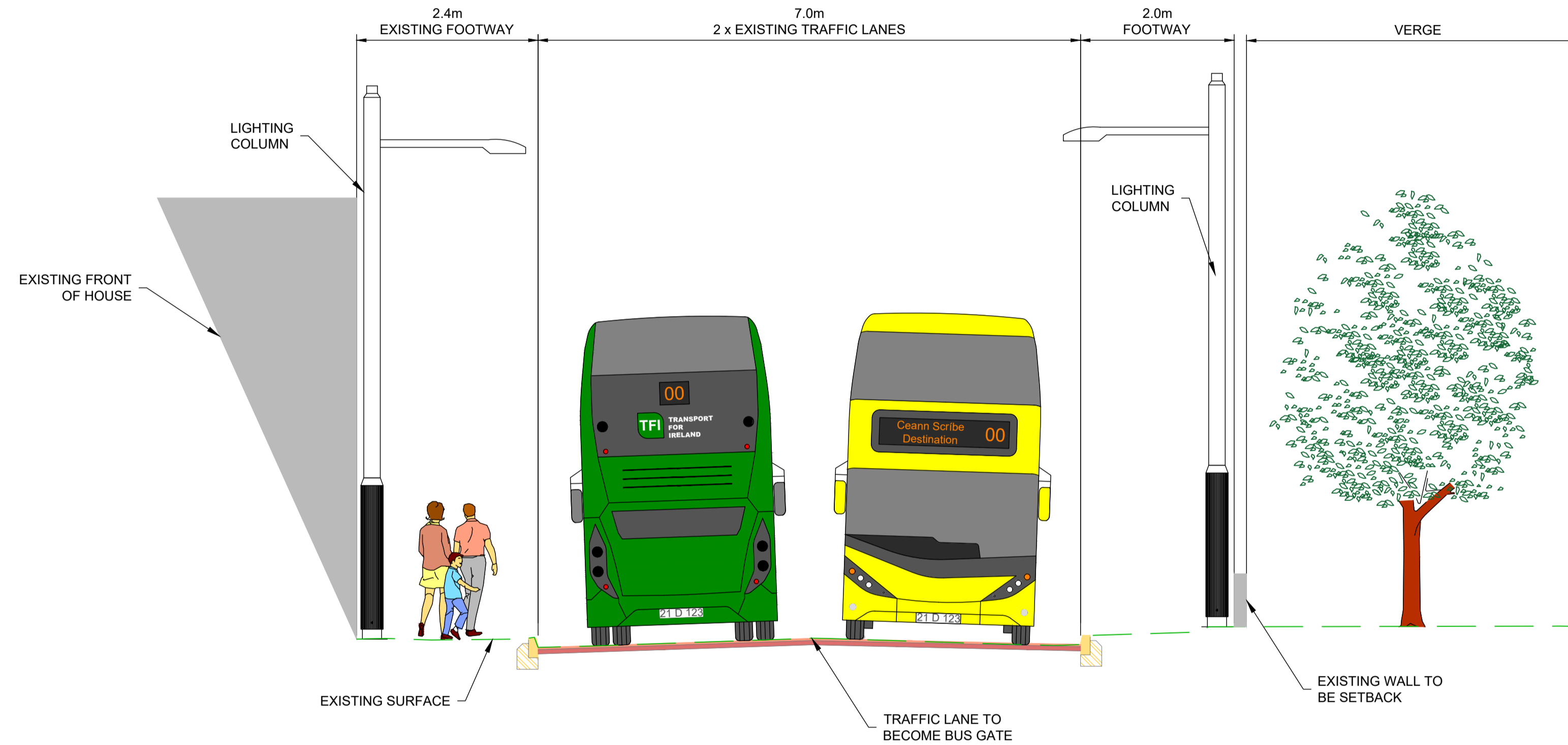
TYPICAL CROSS SECTION V-V  
 EMMET ROAD  
 LOCATED ON GA MAP 21  
 DRAWING REF: BCIDB-JAC-GEO\_GA-0007\_XX\_00-DR-CR-0021

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| M01   | 07/06/2022      | PT  | KM       | JB      | ISSUE FOR PHASE 4: PLANNING |  |                 |     |                             |  |                         |   |         |          |   |              |          |        |    |     |  |  |  |  |  |     |  |  |  |  |
|  <p>Project Ireland 2040<br/>Building Ireland's Future</p>  |                 |   |          |         |                             | <p>Date</p> <table border="1"> <tr> <td>07/06/2022</td> <td>Scale</td> <td>1:50 @ A1<br/>1:100 @ A3</td> <td>Drawn</td> <td>Checked</td> <td>Approved</td> </tr> <tr> <td></td> <td></td> <td></td> <td>PT</td> <td>KM</td> <td>JB</td> </tr> </table> |                 |     | 07/06/2022                  | Scale  | 1:50 @ A1<br>1:100 @ A3 | Drawn   | Checked | Approved |   |              |          | PT     | KM | JB  | <p>Drawing Title</p> <p>LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME<br/>TYPICAL CROSS SECTIONS</p> |  |  |  |  |     |  |  |  |  |
| 07/06/2022  | Scale           | 1:50 @ A1<br>1:100 @ A3   | Drawn    | Checked | Approved                    |  |                 |     |                             |  |                         |   |         |          |   |              |          |        |    |     |  |  |  |  |  |     |  |  |  |  |
|   |                 |   | PT       | KM      | JB                          |  |                 |     |                             |  |                         |   |         |          |   |              |          |        |    |     |  |  |  |  |  |     |  |  |  |  |
| <p>Project Code</p> <table border="1"> <tr> <td>BCIDB</td> <td>Originator Code</td> <td>JAC</td> <td>QMS Code</td> <td></td> <td></td> </tr> </table>   |                 |   |          |         |                             | BCIDB  | Originator Code | JAC | QMS Code                    |  |                         | <p>Drawing File Name</p> <table border="1"> <tr> <td>BCIDB-JAC-GEO_CS-0007_XX_00-DR-CR-0017</td> <td>Sheet Number</td> <td>17 of 23</td> <td>Status</td> <td>A</td> <td>Rev</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>M01</td> </tr> </table> |         |          | BCIDB-JAC-GEO_CS-0007_XX_00-DR-CR-0017  | Sheet Number | 17 of 23 | Status | A  | Rev |  |  |  |  |  | M01 |  |  |  |  |
| BCIDB   | Originator Code | JAC   | QMS Code |         |                             |  |                 |     |                             |  |                         |   |         |          |   |              |          |        |    |     |  |  |  |  |  |     |  |  |  |  |
| BCIDB-JAC-GEO_CS-0007_XX_00-DR-CR-0017  | Sheet Number    | 17 of 23  | Status   | A       | Rev                         |  |                 |     |                             |  |                         |   |         |          |   |              |          |        |    |     |  |  |  |  |  |     |  |  |  |  |
|   |                 |   |          |         | M01                         |  |                 |     |                             |  |                         |   |         |          |   |              |          |        |    |     |  |  |  |  |  |     |  |  |  |  |

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TYPICAL CROSS SECTION W-W  
MOUNT BROWN  
LOCATED ON GA MAP 23  
DRAWING REF: BCIDB-JAC-GEO\_GA-0007\_XX\_00-DR-CR-0023

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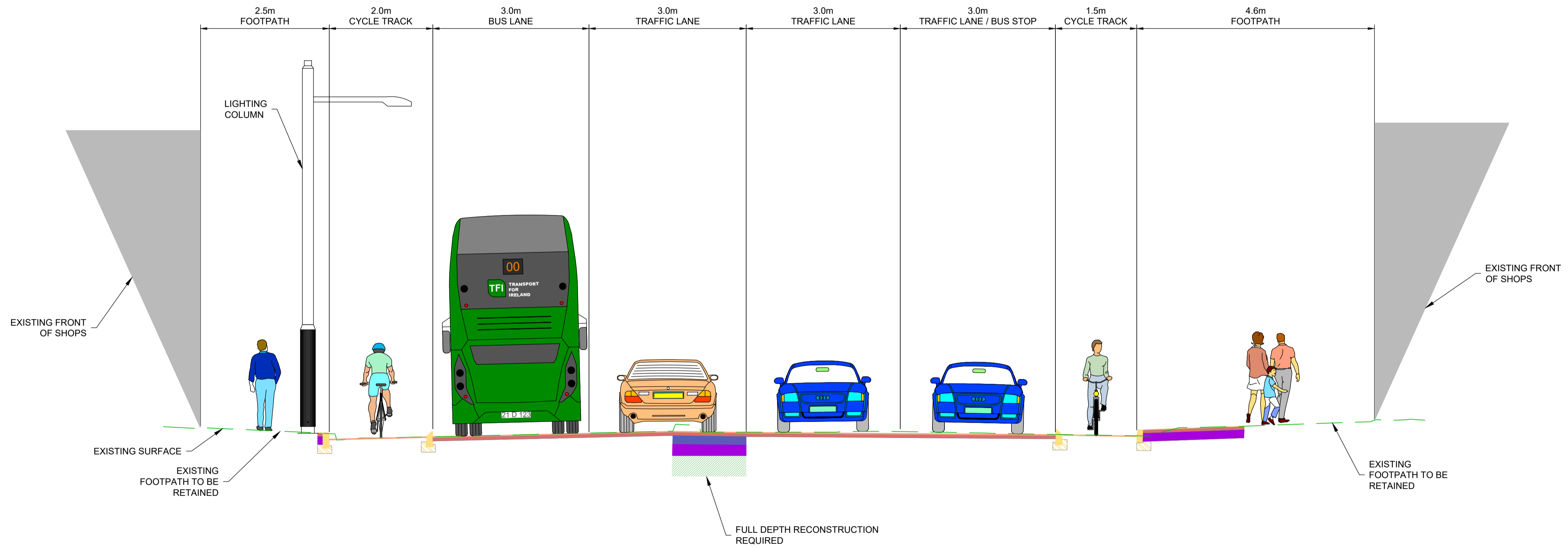
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| M01 | 07/06/2022 | PT  | KM    | JB    | ISSUE FOR PHASE 4: PLANNING |

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| Date         | Scale                   | Drawn    | Checked | Approved |
| 07/06/2022   | 1:50 @ A1<br>1:100 @ A3 | PT       | KM      | JB       |
| Project Code | Originator Code         | QMS Code |         |          |
| BCIDB        | JAC                     |          |         |          |

|   |              |        |     |
|---|--------------|--------|-----|
| <b>Programme Title</b><br><b>BUSCONNECTS DUBLIN</b><br><b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>   |              |        |     |
| <b>Drawing Title</b><br>LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME<br>TYPICAL CROSS SECTIONS |              |        |     |
| Drawing File Name   | Sheet Number | Status | Rev |
| BCIDB-JAC-GEO_CS-0007_XX_00-DR-CR-0018  | 18 of 23     | A      | M01 |

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TYPICAL CROSS SECTION X-X  
 BOW LANE WEST / JAMES'S STREET  
 LOCATED ON GA MAP 25  
 DRAWING REF: BCIDB-JAC-GEO\_GA-0007\_XX\_00-DR-CR-0025

**NOTES:**

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

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

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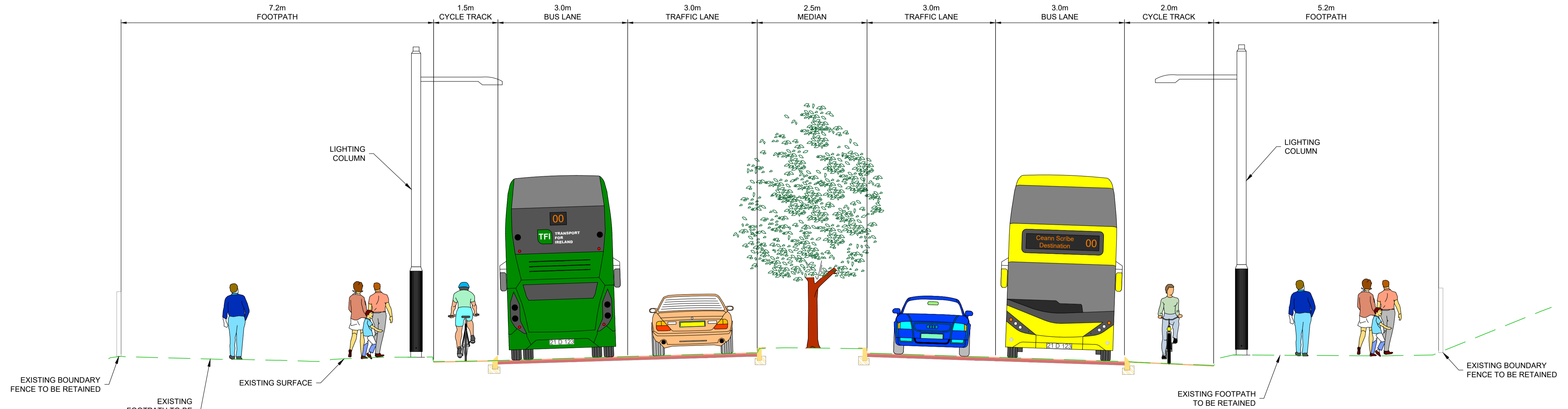


| Rev | Date       | Drn | Chk'd | App'd | Description                 |
|-----|------------|-----|-------|-------|-----------------------------|
| M01 | 07/06/2022 | PT  | KM    | JB    | ISSUE FOR PHASE 4: PLANNING |

Client  
  
 Date: 07/06/2022  
 Project Code: BCIDB

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

|  |                          |             |            |
|--|--------------------------|-------------|------------|
| Programme Title<br><b>BUSCONNECTS DUBLIN<br/>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>         |                          |             |            |
| Drawing Title<br>LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME<br>TYPICAL CROSS SECTIONS |                          |             |            |
| Drawing File Name<br>BCIDB-JAC-GEO_CS-0007_XX_00-DR-CR-0019                                      | Sheet Number<br>19 of 23 | Status<br>A | Rev<br>M01 |



TYPICAL CROSS SECTION Y-Y  
 JAMES'S STREET  
 LOCATED ON GA MAP 26  
 DRAWING REF: BCIDB-JAC-GEO\_GA-0007\_XX\_00-DR-CR-0026

- NOTES:**
- ADDITIONAL PROPOSED SCHEME INFORMATION IS AVAILABLE ON THE DRAWING SERIES PROVIDED WITHIN VOLUME III OF THE ENVIRONMENTAL IMPACT ASSESSMENT REPORT (EIA).
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|-----|------------|-----|-------|-------|-----------------------------|
| M01 | 07/06/2022 | PT  | KM    | JB    | ISSUE FOR PHASE 4: PLANNING |

Client  
  
 Údarás Náisiúnta Iompair  
 National Transport Authority

Engineering Designer  
  
 Drawn PT  
 Checked KM  
 Approved JB

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

Drawing Title  
 LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME  
 TYPICAL CROSS SECTIONS

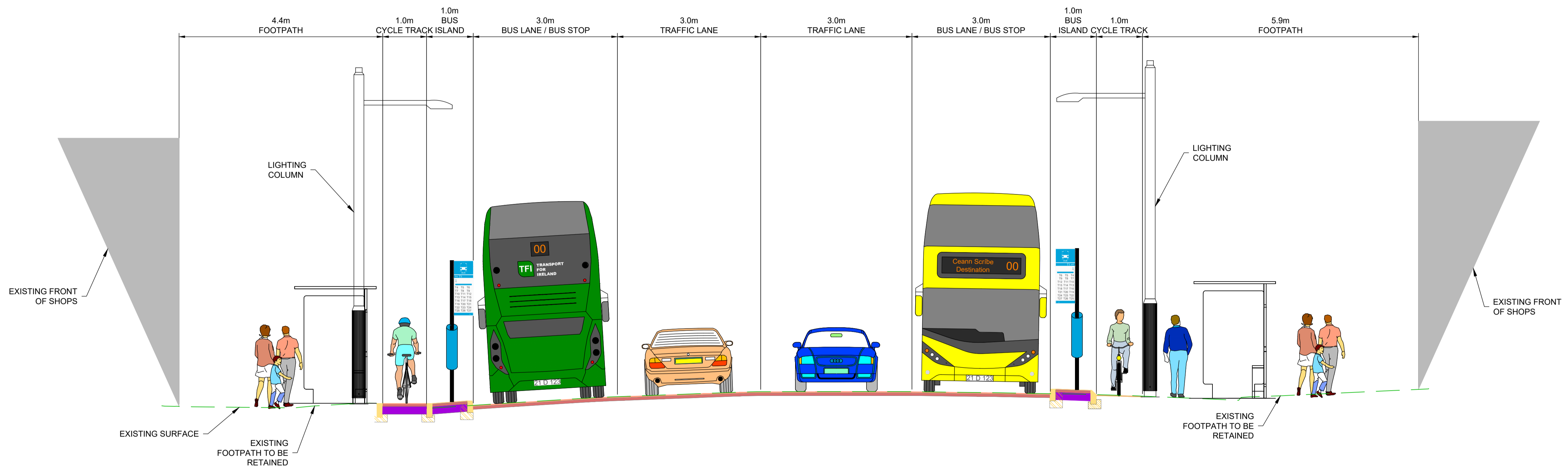
Drawing File Name  
 BCIDB-JAC-GEO\_CS-0007\_XX\_00-DR-CR-0020

Sheet Number  
 20 of 23

Status  
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Rev  
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TYPICAL CROSS SECTION Z-Z  
 THOMAS STREET  
 LOCATED ON GA MAP 27  
 DRAWING REF: BCIDB-JAC-GEO\_GA-0007 XX\_00-DR-CR-0027

**NOTES:**

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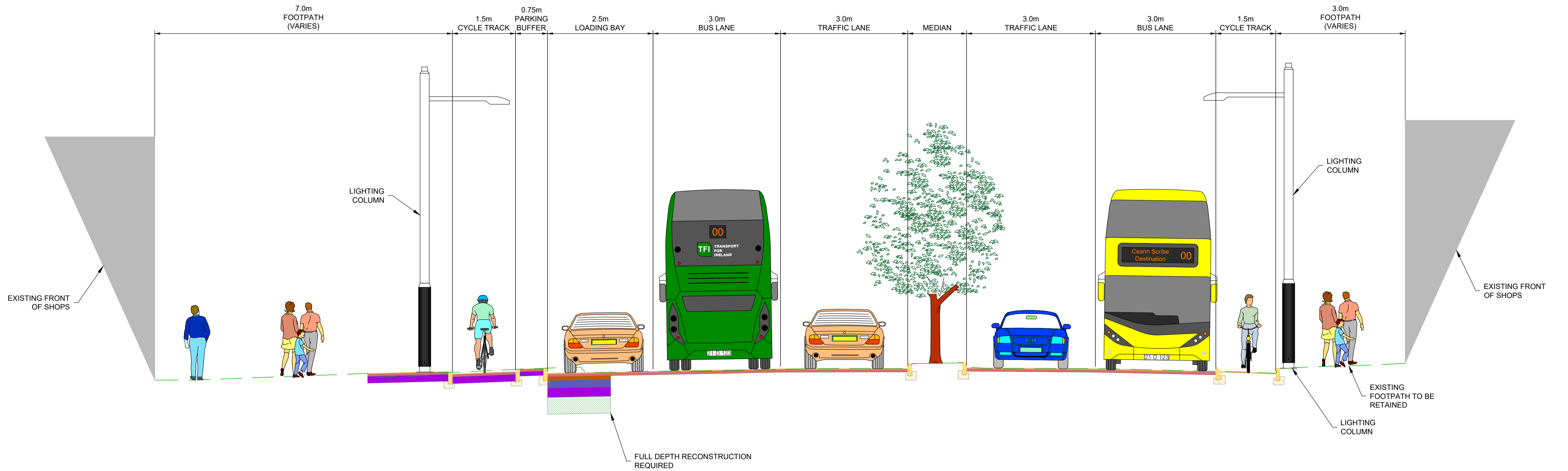
| Rev | Date       | Drn | Chk'd | App'd | Description                 |
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| M01 | 07/06/2022 | PT  | KM    | JB    | ISSUE FOR PHASE 4: PLANNING |

Client  
  
 Údarás Náisiúnta Iompair  
 National Transport Authority

Engineering Designer  
  
 Drawn PT  
 Checked KM  
 Approved JB

|  |                          |             |            |
|--|--------------------------|-------------|------------|
| Programme Title<br><b>BUSCONNECTS DUBLIN<br/>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>         |                          |             |            |
| Drawing Title<br>LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME<br>TYPICAL CROSS SECTIONS |                          |             |            |
| Drawing File Name<br>BCIDB-JAC-GEO_CS-0007_XX_00-DR-CR-0021                                      | Sheet Number<br>21 of 23 | Status<br>A | Rev<br>M01 |

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TYPICAL CROSS SECTION AA-AA  
 THOMAS STREET / HIGH STREET  
 LOCATED ON GA MAP 28  
 DRAWING REF: BCIDB-JAC-GEO\_GA-0007\_XX\_00-DR-CR-0028

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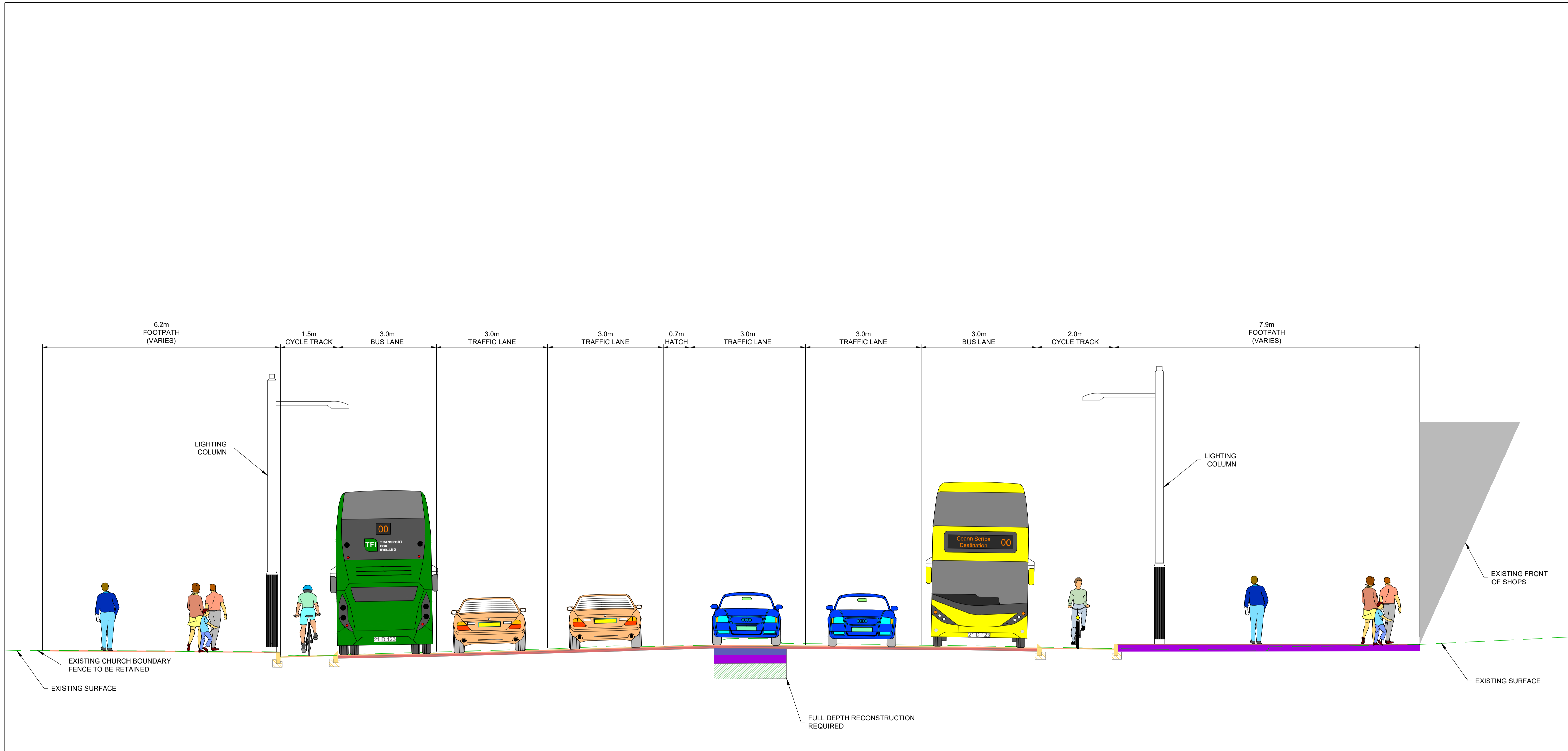
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| 07/06/2022   | 1:50 @ A1<br>1:100 @ A3 | PT       | KM      | JB       |
| Project Code | Originator Code         | QMS Code |         |          |
| BCIDB        | JAC                     |          |         |          |

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| <b>Programme Title</b><br>BUSCONNECTS DUBLIN<br>CORE BUS CORRIDORS INFRASTRUCTURE WORKS                 |              |        |     |
| <b>Drawing Title</b><br>LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME<br>TYPICAL CROSS SECTIONS |              |        |     |
| Drawing File Name   | Sheet Number | Status | Rev |
| BCIDB-JAC-GEO_CS-0007_XX_00-DR-CR-0022  | 22 of 23     | A      | M01 |

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TYPICAL CROSS SECTION AB-AB  
HIGH STREET  
LOCATED ON GA MAP 28  
DRAWING REF: BCIDB-JAC-GEO\_GA-0007\_XX\_00-DR-CR-0028

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|---|-------------------------|--|---------|----------|-----------------------------|-------|-------------|-------------|-----|------------|----|----|----|-----------------------------|--|--------|--|----------------------|--|--|--|--|--|--|--|------|-------|-------|---------|----------|------------|-------------------------|----|----|----|--------------|-----------------|----------|--|--|-------|-----|--|--|--|---|-----------------|--|--|--|---|--|--|--|---------------|--|--|--|---|--|--|--|-------------------|--------------|--------|-----|--|----------|---|-----|
|   |                         | Rev  | Date    | Dwn      | Chk'd                       | App'd | Description |             |     |            |    |    |    |                             |  |        |  |                      |  |  |  |  |  |  |  |      |       |       |         |          |            |                         |    |    |    |              |                 |          |  |  |       |     |  |  |  |   |                 |  |  |  |   |  |  |  |               |  |  |  |   |  |  |  |                   |              |        |     |  |          |   |     |
| M01   | 07/06/2022              | PT   | KM      | JB       | ISSUE FOR PHASE 4: PLANNING |       |             |             |     |            |    |    |    |                             |  |        |  |                      |  |  |  |  |  |  |  |      |       |       |         |          |            |                         |    |    |    |              |                 |          |  |  |       |     |  |  |  |   |                 |  |  |  |   |  |  |  |               |  |  |  |   |  |  |  |                   |              |        |     |  |          |   |     |
| Client  |                         | Engineering Designer   |         |          |                             |       |             |             |     |            |    |    |    |                             |  |        |  |                      |  |  |  |  |  |  |  |      |       |       |         |          |            |                         |    |    |    |              |                 |          |  |  |       |     |  |  |  |   |                 |  |  |  |   |  |  |  |               |  |  |  |   |  |  |  |                   |              |        |     |  |          |   |     |
| <br>Údarás Náisiúnta Iompair<br>National Transport Authority  |                         |  |         |          |                             |       |             |             |     |            |    |    |    |                             |  |        |  |                      |  |  |  |  |  |  |  |      |       |       |         |          |            |                         |    |    |    |              |                 |          |  |  |       |     |  |  |  |   |                 |  |  |  |   |  |  |  |               |  |  |  |   |  |  |  |                   |              |        |     |  |          |   |     |
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| 07/06/2022  | 1:50 @ A1<br>1:100 @ A3 | PT   | KM      | JB       |                             |       |             |             |     |            |    |    |    |                             |  |        |  |                      |  |  |  |  |  |  |  |      |       |       |         |          |            |                         |    |    |    |              |                 |          |  |  |       |     |  |  |  |   |                 |  |  |  |   |  |  |  |               |  |  |  |   |  |  |  |                   |              |        |     |  |          |   |     |
| Project Code  | Originator Code         | QMS Code   |         |          |                             |       |             |             |     |            |    |    |    |                             |  |        |  |                      |  |  |  |  |  |  |  |      |       |       |         |          |            |                         |    |    |    |              |                 |          |  |  |       |     |  |  |  |   |                 |  |  |  |   |  |  |  |               |  |  |  |   |  |  |  |                   |              |        |     |  |          |   |     |
| BCIDB   | JAC                     |  |         |          |                             |       |             |             |     |            |    |    |    |                             |  |        |  |                      |  |  |  |  |  |  |  |      |       |       |         |          |            |                         |    |    |    |              |                 |          |  |  |       |     |  |  |  |   |                 |  |  |  |   |  |  |  |               |  |  |  |   |  |  |  |                   |              |        |     |  |          |   |     |
| Programme Title   |                         |  |         |          |                             |       |             |             |     |            |    |    |    |                             |  |        |  |                      |  |  |  |  |  |  |  |      |       |       |         |          |            |                         |    |    |    |              |                 |          |  |  |       |     |  |  |  |   |                 |  |  |  |   |  |  |  |               |  |  |  |   |  |  |  |                   |              |        |     |  |          |   |     |
| BUSCONNECTS DUBLIN<br>CORE BUS CORRIDORS INFRASTRUCTURE WORKS   |                         |  |         |          |                             |       |             |             |     |            |    |    |    |                             |  |        |  |                      |  |  |  |  |  |  |  |      |       |       |         |          |            |                         |    |    |    |              |                 |          |  |  |       |     |  |  |  |   |                 |  |  |  |   |  |  |  |               |  |  |  |   |  |  |  |                   |              |        |     |  |          |   |     |
| Drawing Title   |                         |  |         |          |                             |       |             |             |     |            |    |    |    |                             |  |        |  |                      |  |  |  |  |  |  |  |      |       |       |         |          |            |                         |    |    |    |              |                 |          |  |  |       |     |  |  |  |   |                 |  |  |  |   |  |  |  |               |  |  |  |   |  |  |  |                   |              |        |     |  |          |   |     |
| LIFFEY VALLEY TO CITY CENTRE CORE BUS CORRIDOR SCHEME<br>TYPICAL CROSS SECTIONS   |                         |  |         |          |                             |       |             |             |     |            |    |    |    |                             |  |        |  |                      |  |  |  |  |  |  |  |      |       |       |         |          |            |                         |    |    |    |              |                 |          |  |  |       |     |  |  |  |   |                 |  |  |  |   |  |  |  |               |  |  |  |   |  |  |  |                   |              |        |     |  |          |   |     |
| Drawing File Name   | Sheet Number            | Status   | Rev     |          |                             |       |             |             |     |            |    |    |    |                             |  |        |  |                      |  |  |  |  |  |  |  |      |       |       |         |          |            |                         |    |    |    |              |                 |          |  |  |       |     |  |  |  |   |                 |  |  |  |   |  |  |  |               |  |  |  |   |  |  |  |                   |              |        |     |  |          |   |     |
| BCIDB-JAC-GEO_CS-0007_XX_00-DR-CR-0023  | 23 of 23                | A  | M01     |          |                             |       |             |             |     |            |    |    |    |                             |  |        |  |                      |  |  |  |  |  |  |  |      |       |       |         |          |            |                         |    |    |    |              |                 |          |  |  |       |     |  |  |  |   |                 |  |  |  |   |  |  |  |               |  |  |  |   |  |  |  |                   |              |        |     |  |          |   |     |
| DO NOT SCALE USE FIGURED DIMENSIONS ONLY  |                         |  |         |          |                             |       |             |             |     |            |    |    |    |                             |  |        |  |                      |  |  |  |  |  |  |  |      |       |       |         |          |            |                         |    |    |    |              |                 |          |  |  |       |     |  |  |  |   |                 |  |  |  |   |  |  |  |               |  |  |  |   |  |  |  |                   |              |        |     |  |          |   |     |

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