The background is a vibrant red color. It features several abstract geometric shapes: a teal semi-circle in the top left, a teal semi-circle with a red border in the top center, a blue semi-circle with a red border in the top center, a blue vertical bar with a white circle in the top right, a dark blue horizontal bar with a white circle in the top right, a blue horizontal bar with a white circle in the bottom left, a dark blue horizontal bar with a white circle in the bottom left, a teal semi-circle in the bottom right, a dark blue semi-circle with a white border in the bottom right, and a red semi-circle with a white border in the bottom right.

**Appendix B15**  
IW Water Asset  
Alterations



# BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS

## BALLYMUN / FINGLAS TO CITY CENTRE CORE BUS CORRIDOR SCHEME

### IW WATER ASSET ALTERATIONS

#### DRAWING SERIES NUMBER(S)

BCIDD-ROT-UTL\_IX-0304\_XX\_00-DR-CU-0006  
 BCIDD-ROT-UTL\_KP-0304\_XX\_00-DR-CU-0006  
 BCIDD-ROT-UTL\_UW-0304\_XX\_00-DR-CU-0001 to 0037

#### DRAWING SERIES DESCRIPTION

BALLYMUN / FINGLAS TO CITY CENTRE CORE BUS CORRIDOR SCHEME. IW WATER ASSET ALTERATIONS. COVER SHEET  
 BALLYMUN / FINGLAS TO CITY CENTRE CORE BUS CORRIDOR SCHEME. IW WATER ASSET ALTERATIONS. KEY PLAN  
 BALLYMUN / FINGLAS TO CITY CENTRE CORE BUS CORRIDOR SCHEME. IW WATER ASSET ALTERATIONS. DRAWINGS.

C:\Users\j.mccarthy\OneDrive\Documents\Ballymun-Finglas\COVER SHEETS\BCIDD-ROT-UTL\_IX-0304\_XX\_00-DR-CU-0006.dwg

GEORGES CHANNEL  
Bharrán

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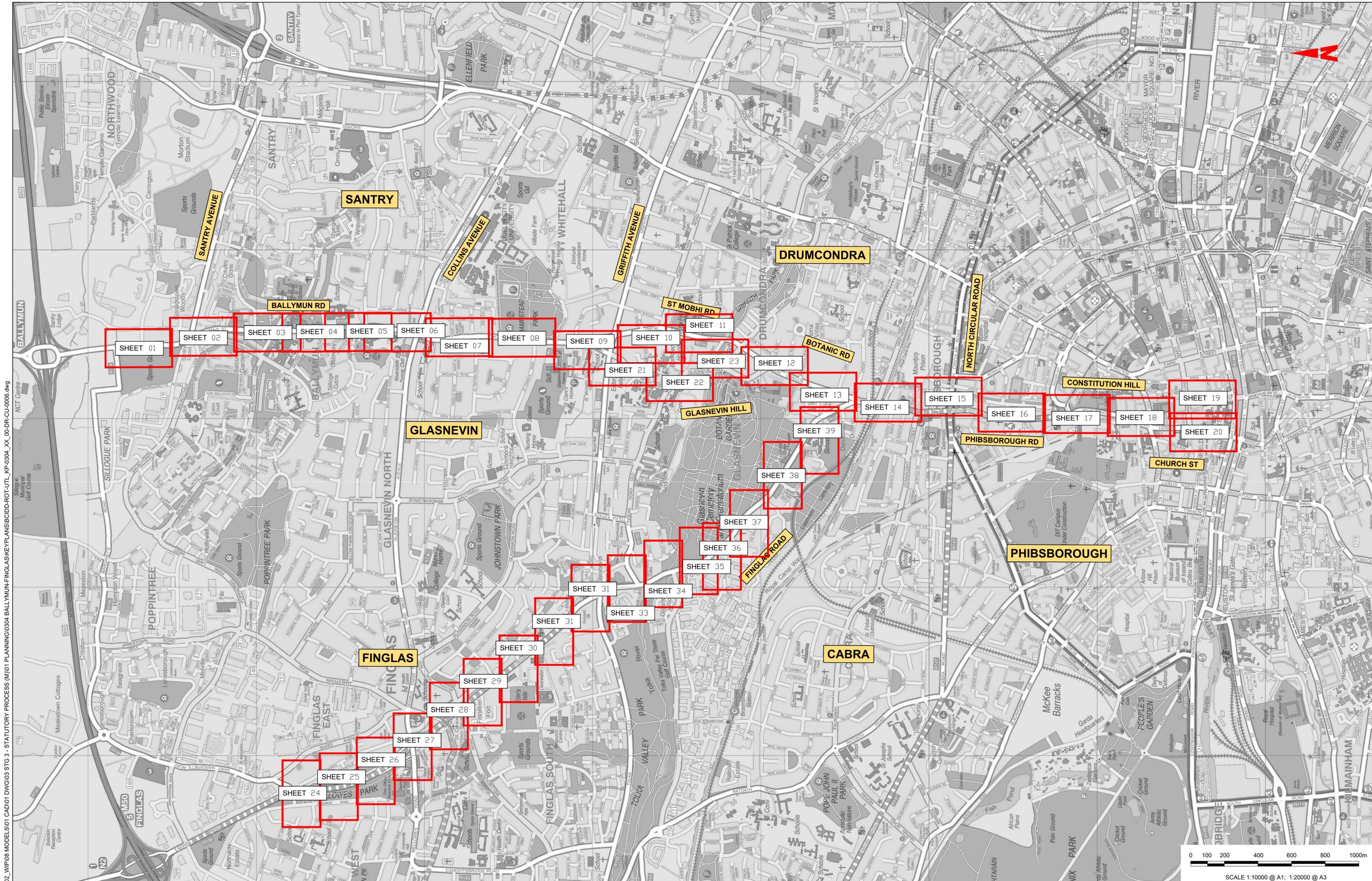


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| M01 | 13/05/2022 | CG  | EOC   | SMG   | ISSUE FOR PHASE 4 : PLANNING |

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| Client<br><b>NTA</b><br>Údarás Náisiúnta Iompair<br>National Transport Authority |                               | Engineering Designer<br><b>IROD</b><br>ROUGHAN & O'DONOVAN<br>TYP SA |                |                 |
| Date<br>13/05/2022   | Scale<br>NTS @ A1<br>NTS @ A3 | Drawn<br>CG  | Checked<br>EOC | Approved<br>SMG |
| Programme Code<br>BCIDD  | Originator Code<br>ROT        | QMS Code   |                |                 |

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| Programme Title<br><b>BUSCONNECTS DUBLIN<br/>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>                                 |                          |             |            |
| Drawing Title<br>BALLYMUN / FINGLAS TO CITY CENTRE CORE BUS CORRIDOR SCHEME<br>IW WATER ASSET ALTERATIONS<br>COVER SHEET |                          |             |            |
| Drawing File Name<br>BCIDD-ROT-UTL_IX-0304_XX_00-DR-CU-0001  | Sheet Number<br>01 of 01 | Status<br>A | Rev<br>M01 |

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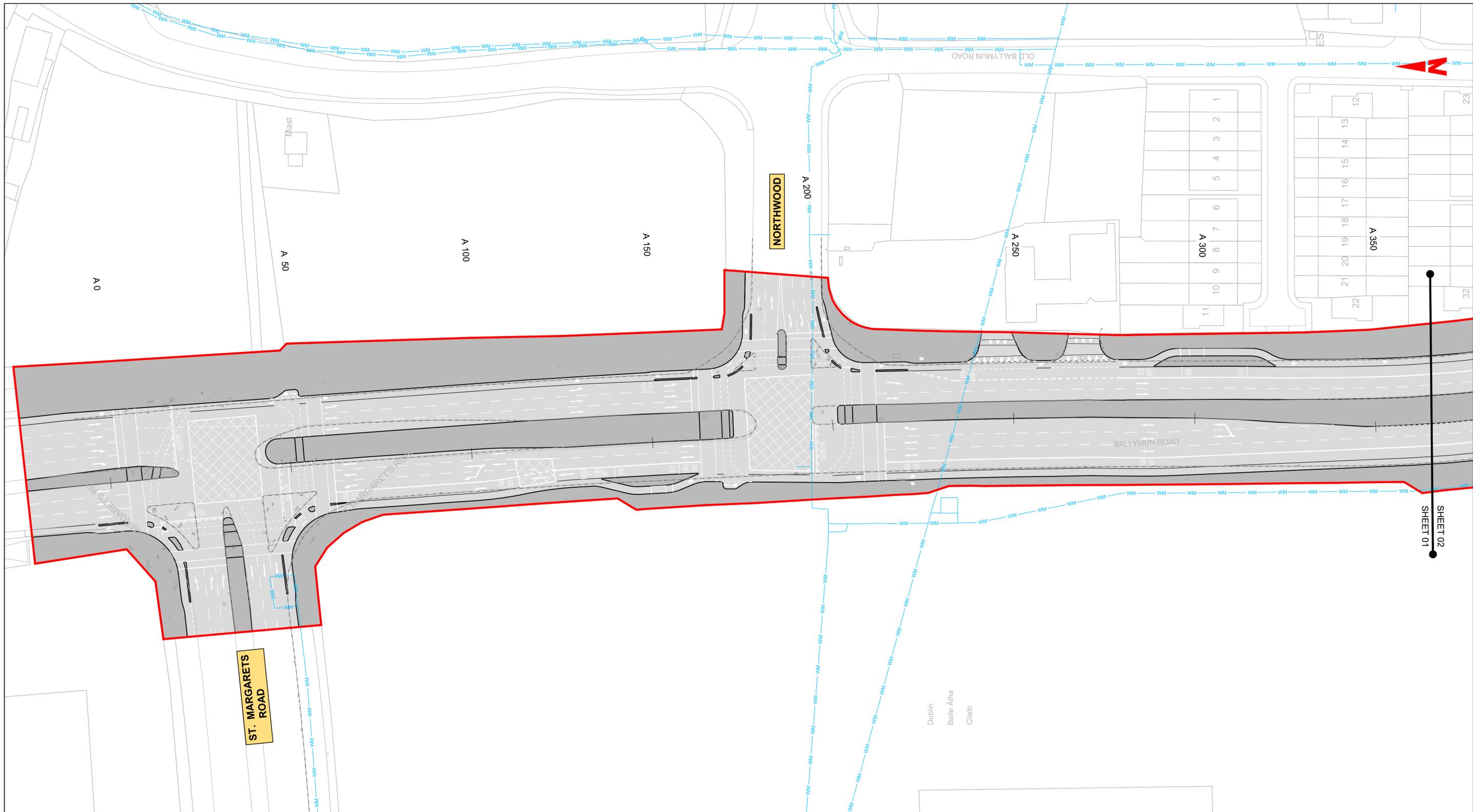
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| 13/05/2022   | 1:10,000 @ A1<br>1:20,000 @ A3 | CG                   | EOC      |
| Programme Code   | Originator Code                | QMS Code             | Approved |
| BCIDD  | ROT                            |                      | SMG      |

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| <b>Programme Title</b><br>BUSCONNECTS DUBLIN<br>CORE BUS CORRIDORS INFRASTRUCTURE WORKS                           |              |        |     |
| <b>Drawing Title</b><br>BALLYMUN TO CITY CENTRE CORE BUS CORRIDOR SCHEME<br>IW WATER ASSET ALTERATIONS<br>KEYPLAN |              |        |     |
| Drawing File Name   | Sheet Number | Status | Rev |
| BCIDD-ROT-UTL_KP-0304_XX_00-DR-CU-0001  | 01 of 01     | A      | M01 |

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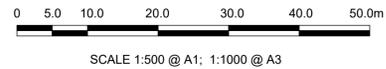


**LEGEND:**

- EXISTING KERB LINE
- PROPOSED KERB LINE
- IRISH WATER - EXISTING WATER NETWORK
- IRISH WATER - EXISTING WATER NETWORK DECOMMISSIONED
- IRISH WATER - PROPOSED WATER NETWORK DIVERSION
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Client

Date: 13/05/2022  
Scale: 1:500 @ A1, 1:1000 @ A3

Engineering Designer

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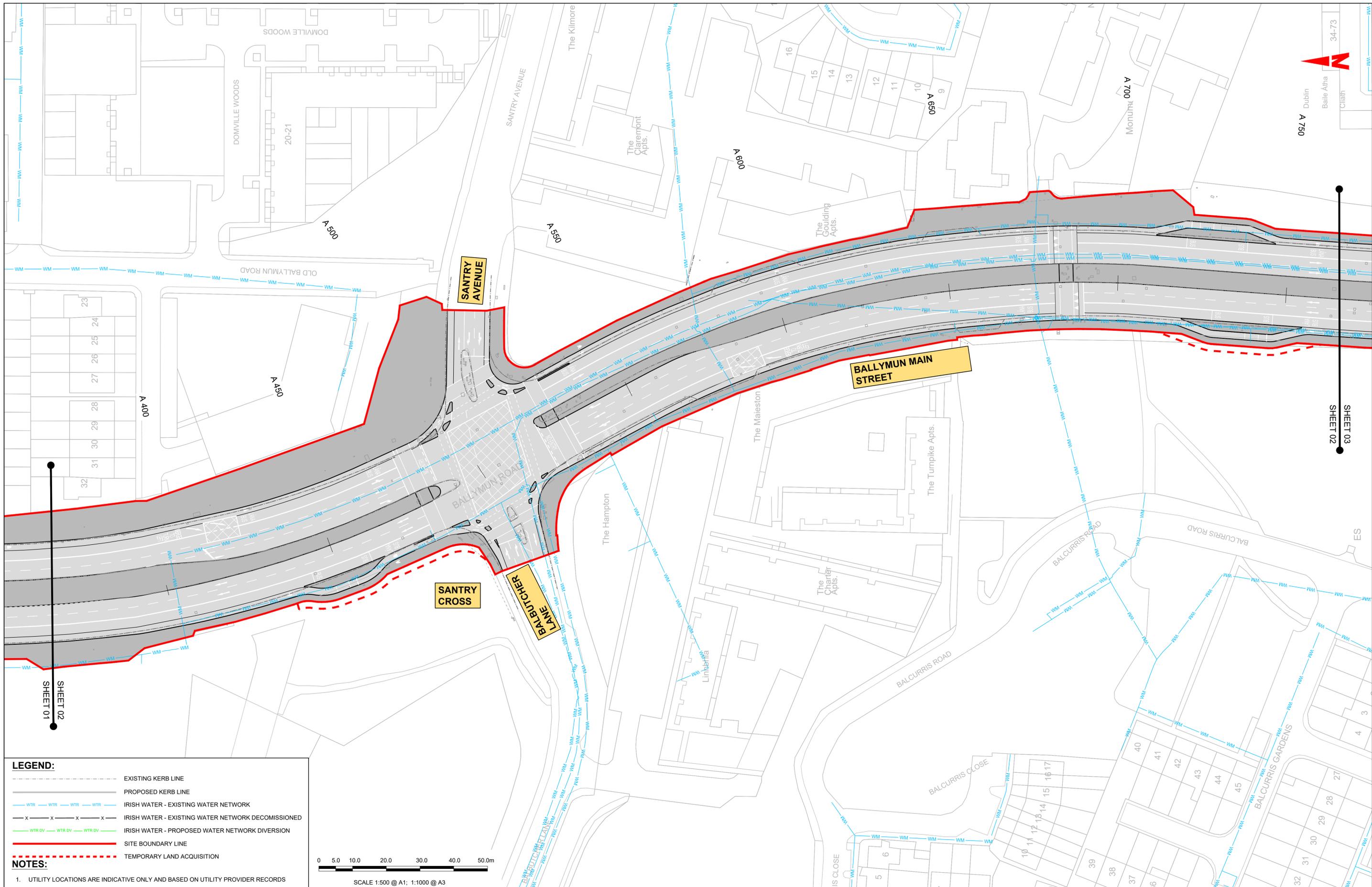
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Originator Code ROT  
QMS Code

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

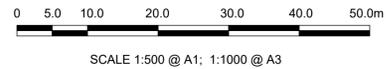
Drawing Title  
BALLYMUN / FINGLAS TO CITY CENTRE CORE BUS CORRIDOR SCHEME  
IW WATER ASSET ALTERATION

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| Drawing File Name<br>BCIDD-ROT-UTL_UW-0304_XX_00-DR-CU-0001 | Sheet Number<br>01 of 37 | Status<br>A | Rev<br>M01 |
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- EXISTING KERB LINE
  - PROPOSED KERB LINE
  - IRISH WATER - EXISTING WATER NETWORK
  - IRISH WATER - EXISTING WATER NETWORK DECOMMISSIONED
  - IRISH WATER - PROPOSED WATER NETWORK DIVERSION
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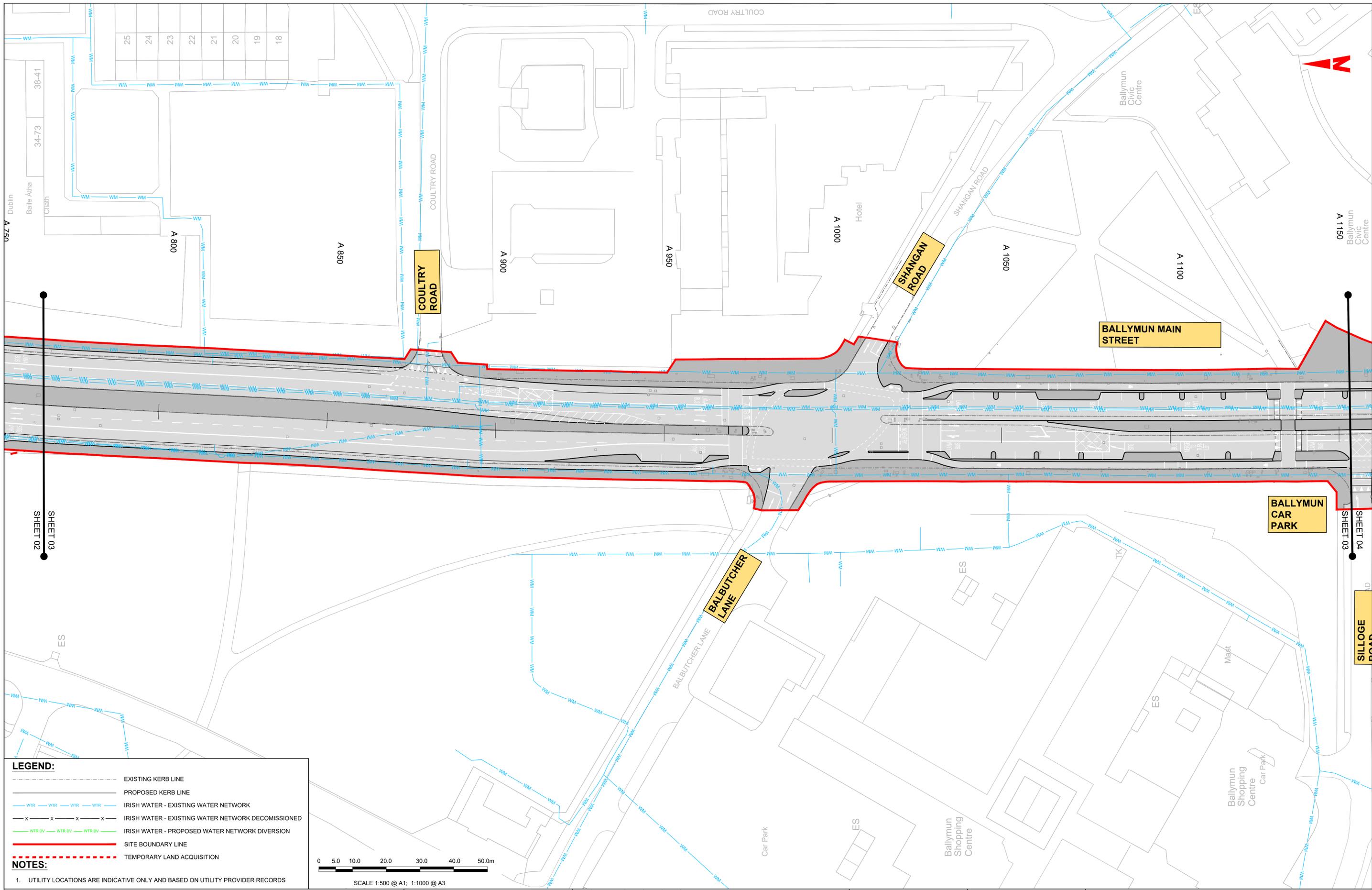


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| Date  | Scale                     | Drawn   | Checked | Approved |
| 13/05/2022  | 1:500 @ A1<br>1:1000 @ A3 | DS  | EE      | SMG      |
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| <b>Programme Title</b><br>BUSCONNECTS DUBLIN<br>CORE BUS CORRIDORS INFRASTRUCTURE WORKS                        |              |        |     |
| <b>Drawing Title</b><br>BALLYMUN / INGLAS TO CITY CENTRE CORE BUS CORRIDOR SCHEME<br>IW WATER ASSET ALTERATION |              |        |     |
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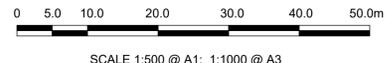


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- PROPOSED KERB LINE
- IRISH WATER - EXISTING WATER NETWORK
- IRISH WATER - EXISTING WATER NETWORK DECOMMISSIONED
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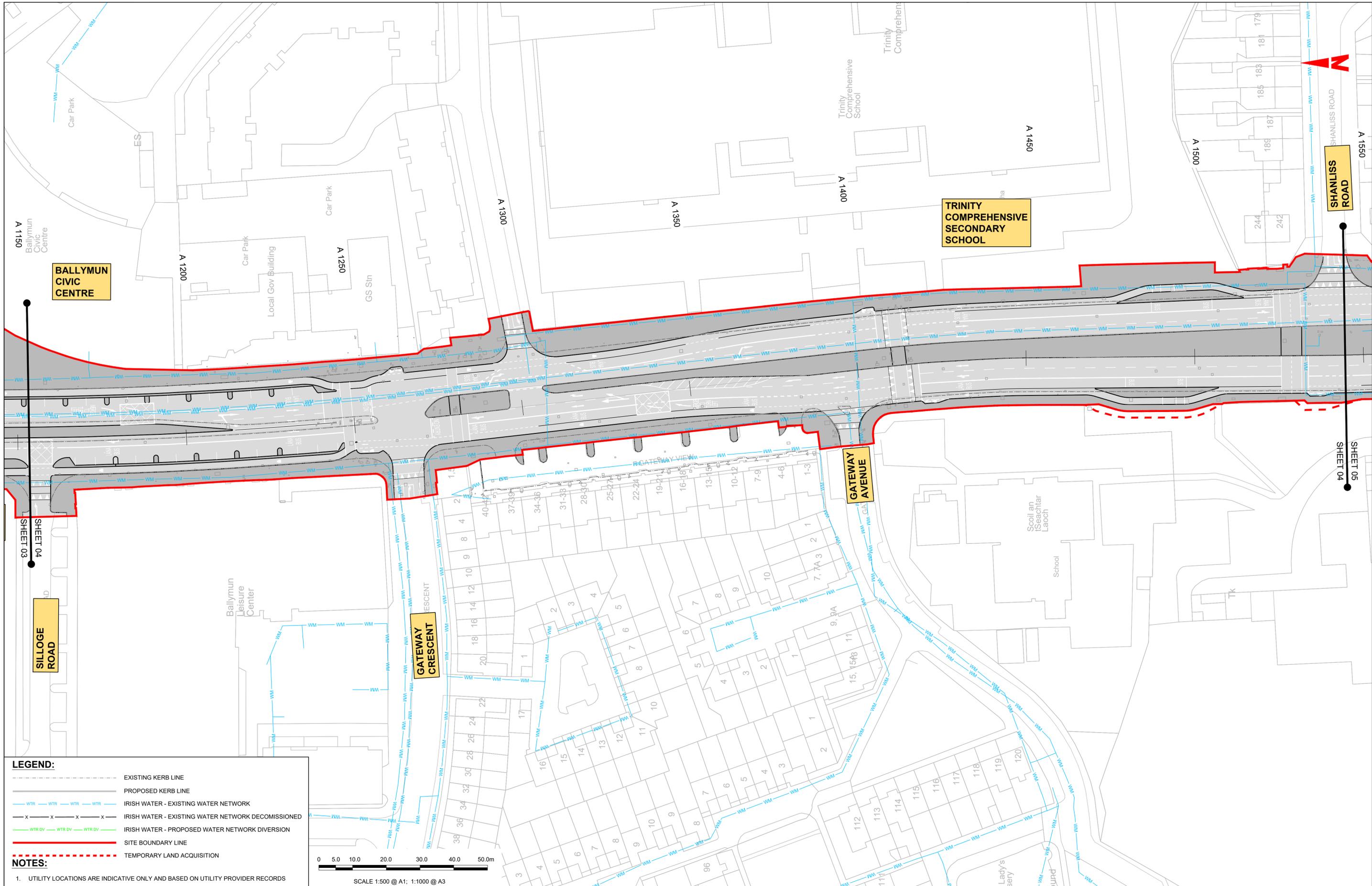


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|                |                           | <b>Engineering Designer</b><br> |         |          |
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| 13/05/2022     | 1:500 @ A1<br>1:1000 @ A3 | DS                              | EE      | SMG      |
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| <b>Programme Title</b><br>BUSCONNECTS DUBLIN<br>CORE BUS CORRIDORS INFRASTRUCTURE WORKS                         |              |        |     |
| <b>Drawing Title</b><br>BALLYMUN / FINGLAS TO CITY CENTRE CORE BUS CORRIDOR SCHEME<br>IW WATER ASSET ALTERATION |              |        |     |
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| BCIDD-ROT-UTL_UW-0304_XX_00-DR-CU-0003  | 03 of 37     | A      | M01 |

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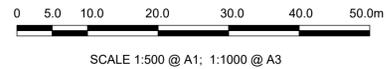


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- IRISH WATER - EXISTING WATER NETWORK
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Client  
**NTA**  
 Údarás Náisiúnta Iompair  
 National Transport Authority

Engineering Designer  
**FIROD**  
 TYPISA

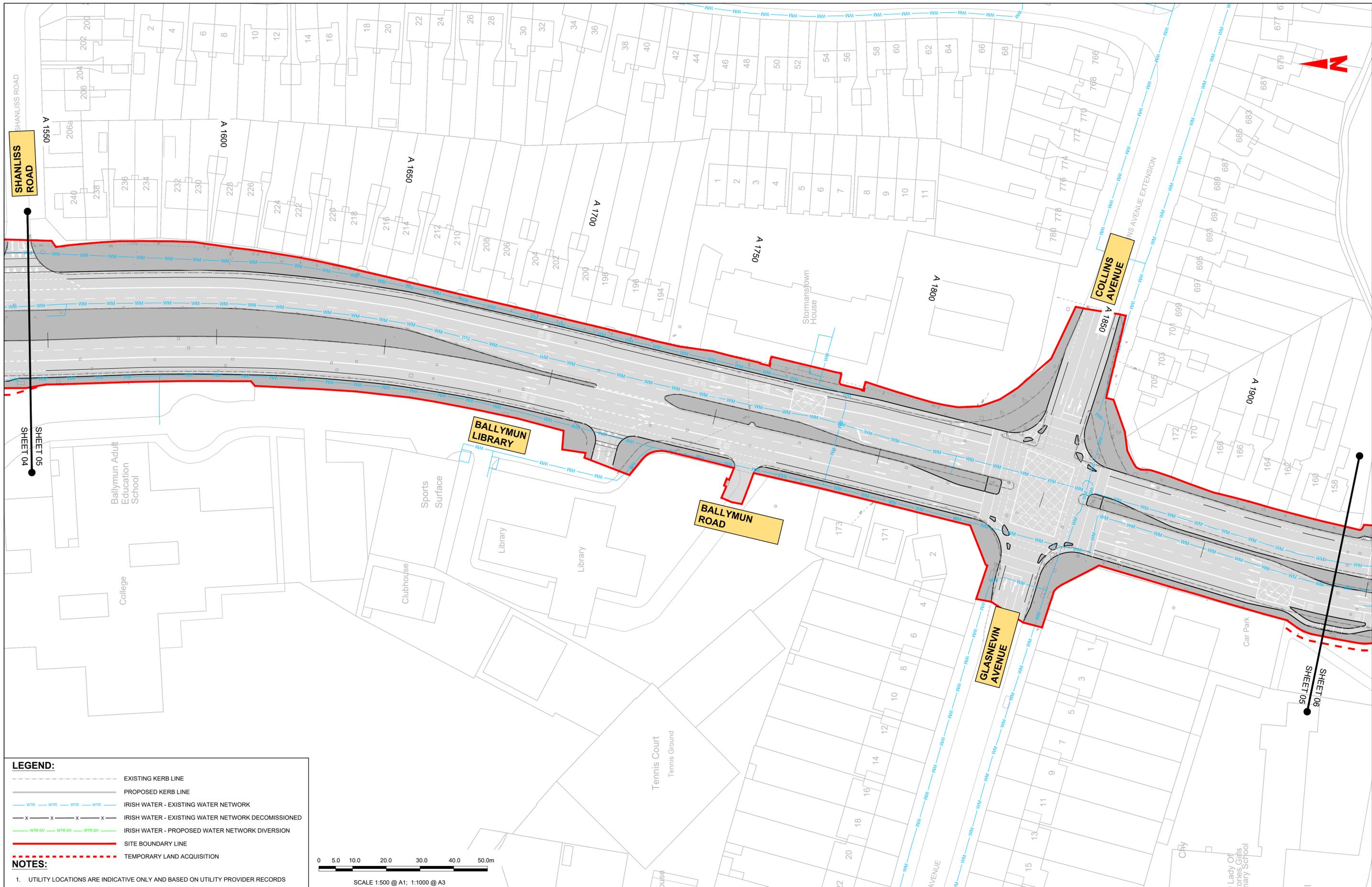
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| 13/05/2022 | 1:500 @ A1<br>1:1000 @ A3 | DS    | EE      | SMG      |

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

Drawing Title  
 BALLYMUN / FINGLAS TO CITY CENTRE CORE BUS CORRIDOR SCHEME  
 IW WATER ASSET ALTERATION

|  |              |        |     |
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| Drawing File Name                      | Sheet Number | Status | Rev |
| BCIDD-ROT-UTL_UW-0304_XX_00-DR-CU-0004 | 04 of 37     | A      | M01 |

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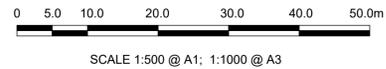


**LEGEND:**

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- PROPOSED KERB LINE
- IRISH WATER - EXISTING WATER NETWORK
- IRISH WATER - EXISTING WATER NETWORK DECOMMISSIONED
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Údarás Náisiúnta Iompair  
National Transport Authority

Engineering Designer: **CIROD**  
TYPSA

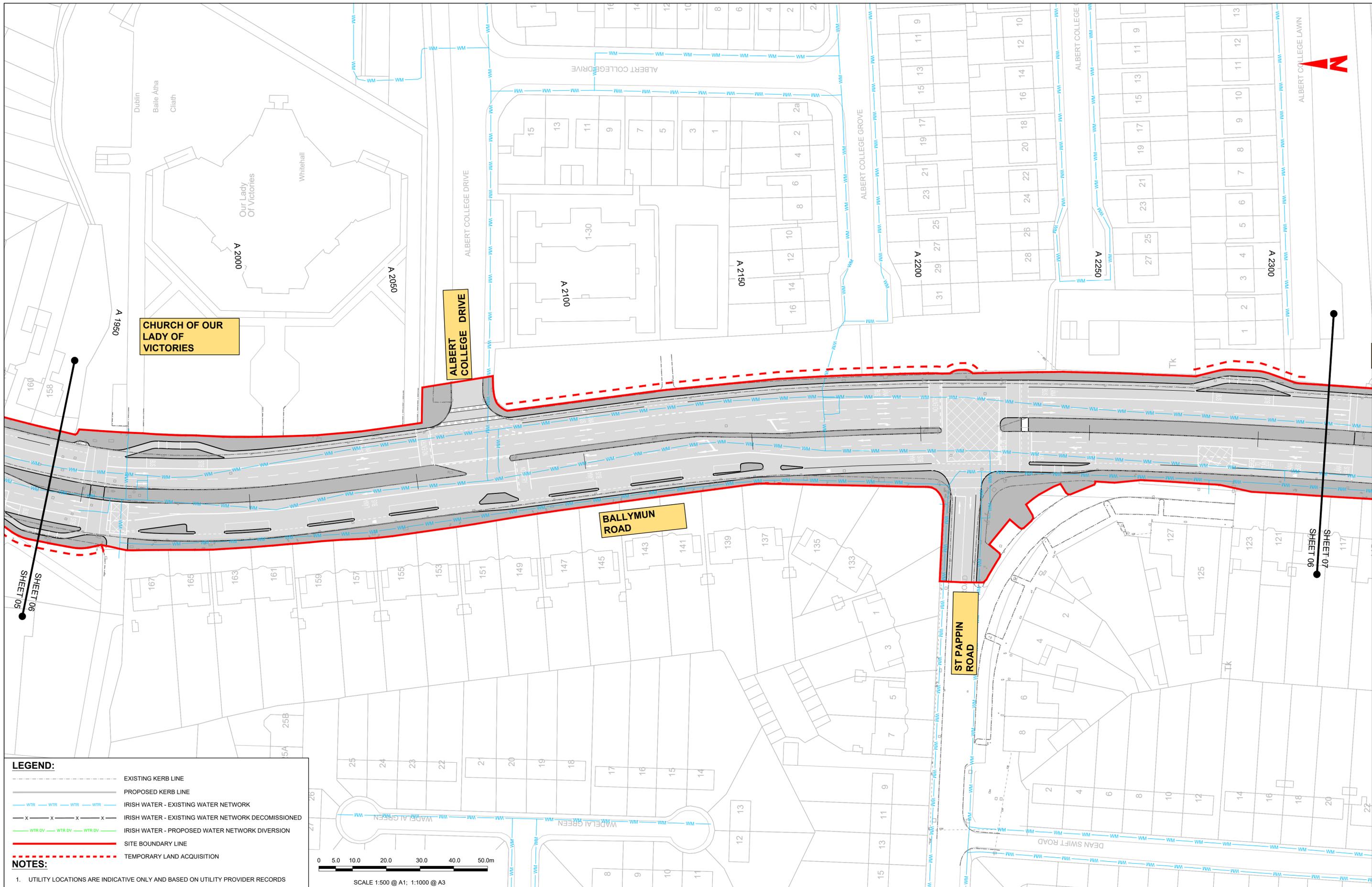
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Checked: EE  
Approved: SMG

Programme Code: BCIDD  
Originator Code: ROT  
QMS Code:

|  |                        |           |          |
|--|------------------------|-----------|----------|
| Programme Title: <b>BUSCONNECTS DUBLIN<br/>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>                         |                        |           |          |
| Drawing Title: <b>BALLYMUN / FINGLAS TO CITY CENTRE CORE BUS CORRIDOR SCHEME<br/>IW WATER ASSET ALTERATION</b> |                        |           |          |
| Drawing File Name: BCIDD-ROT-UTL_UW-0304_XX_00-DR-CU-0005  | Sheet Number: 05 of 37 | Status: A | Rev: M01 |

DO NOT SCALE USE FIGURED DIMENSIONS ONLY

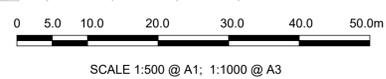


**LEGEND:**

- EXISTING KERB LINE
- PROPOSED KERB LINE
- IRISH WATER - EXISTING WATER NETWORK
- IRISH WATER - EXISTING WATER NETWORK DECOMMISSIONED
- IRISH WATER - PROPOSED WATER NETWORK DIVERSION
- SITE BOUNDARY LINE
- TEMPORARY LAND ACQUISITION

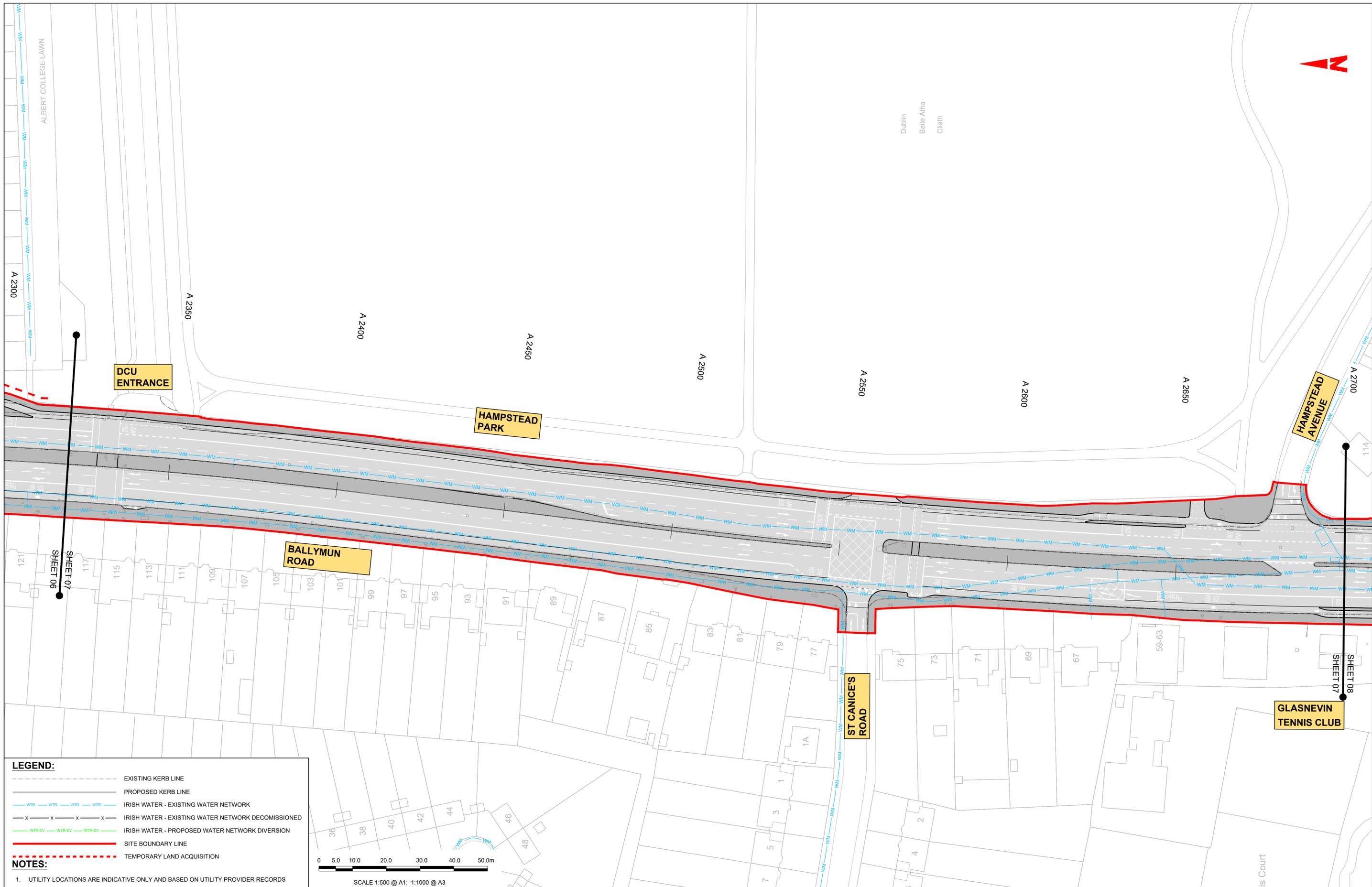
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|   |  |  |  |  |  |  |  |  |   |  |  |  |
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| <p>Date 13/05/2022 Scale 1:500 @ A1<br/>1:1000 @ A3</p>   |  | <p>Drawn DS Checked EE Approved SMG</p>  |  | <p>Programme Code BCIDD Originator Code ROT QMS Code</p>                               |  | <p>Drawing Title <b>BALLYMUN / FINGLAS TO CITY CENTRE CORE BUS CORRIDOR SCHEME</b><br/>IW WATER ASSET ALTERATION</p> |  |  |   |  |  |  |
| <p>Drawing File Name BCIDD-ROT-UTL_UW-0304_XX_00-DR-CU-0006</p>   |  | <p>Sheet Number 06 of 37</p>   |  | <p>Status A</p>  |  | <p>Rev M01</p>   |  |  |   |  |  |  |

DO NOT SCALE USE FIGURED DIMENSIONS ONLY

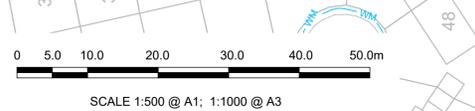


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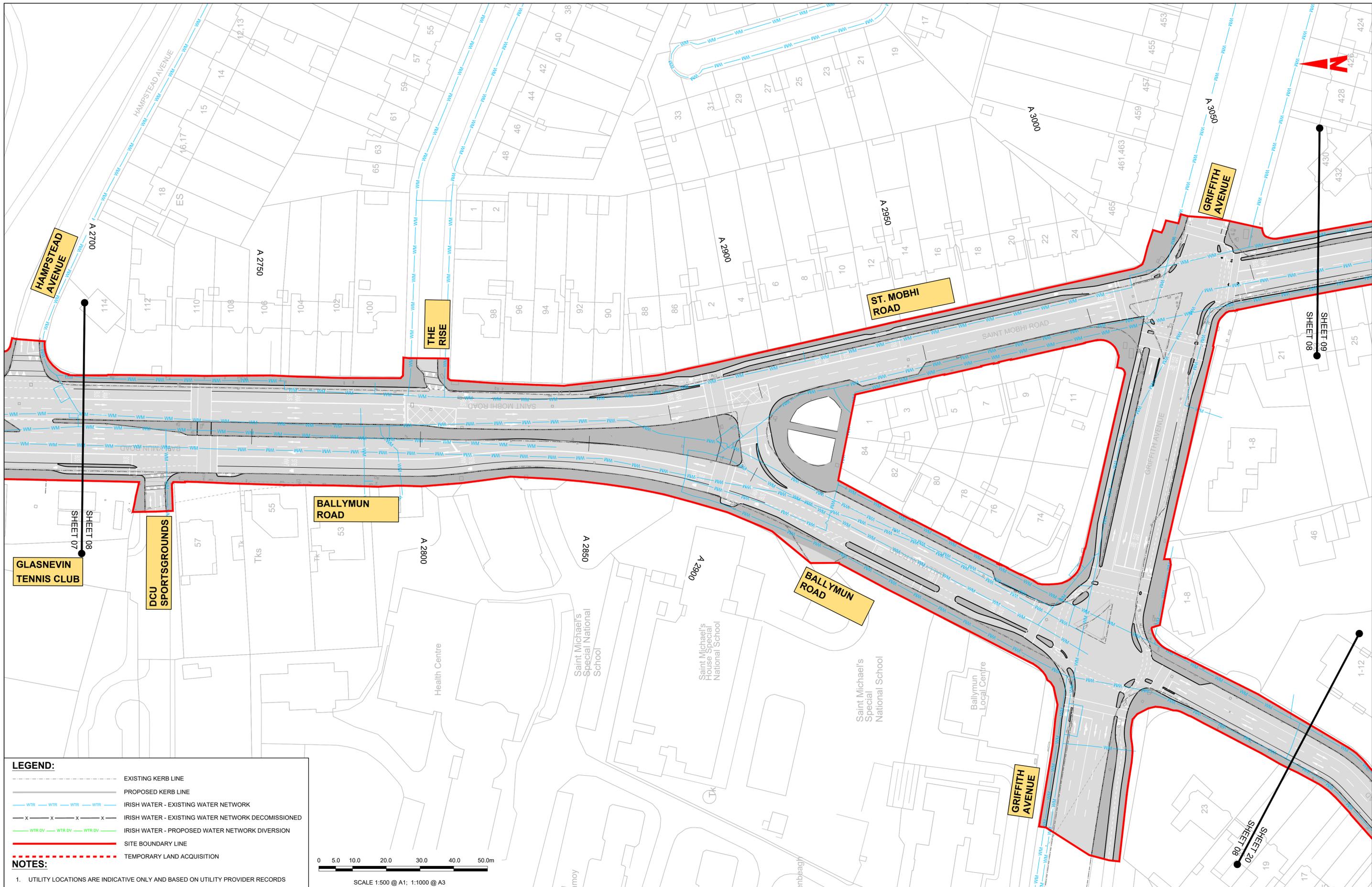
- EXISTING KERB LINE
- PROPOSED KERB LINE
- IRISH WATER - EXISTING WATER NETWORK
- IRISH WATER - EXISTING WATER NETWORK DECOMMISSIONED
- IRISH WATER - PROPOSED WATER NETWORK DIVERSION
- SITE BOUNDARY LINE
- TEMPORARY LAND ACQUISITION

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|--|------------|----------|-------|--|------------------------------|-----------------|---|----------|-------|-------------|-----|--|----|----|-----|------------------------------|--|-----------------------------|--|
| Rev  | Date       | Drn      | Chk'd | App'd  | Description                  |                 |   |          |       |             |     |  |    |    |     |                              |  |                             |  |
| M01  | 13/05/2022 | DS       | EE    | SMG  | ISSUE FOR PHASE 4 : PLANNING |                 |   |          |       |             |     |  |    |    |     |                              |  |                             |  |
| <p>Date: 13/05/2022    Scale: 1:500 @ A1, 1:1000 @ A3</p> <p>Programme Code: BCIDD    Originator Code: ROT    QMS Code:</p>  |            |          |       | <table border="1"> <thead> <tr> <th>Drawn</th> <th>Checked</th> <th>Approved</th> </tr> </thead> <tbody> <tr> <td>DS</td> <td>EE</td> <td>SMG</td> </tr> </tbody> </table>   |                              | Drawn           | Checked   | Approved | DS    | EE          | SMG | <p>Drawing Title</p> <p>BALLYMUN / FINGLAS TO CITY CENTRE CORE BUS CORRIDOR SCHEME<br/>IW WATER ASSET ALTERATION</p> |    |    |     |                              |  |                             |  |
| Drawn  | Checked    | Approved |       |  |                              |                 |   |          |       |             |     |  |    |    |     |                              |  |                             |  |
| DS   | EE         | SMG      |       |  |                              |                 |   |          |       |             |     |  |    |    |     |                              |  |                             |  |
| <p>Drawing File Name: BCIDD-ROT-UTL_UW-0304_XX_00-DR-CU-0007</p>   |            |          |       | <p>Sheet Number: 07 of 37</p>  | <p>Status: A</p>             | <p>Rev: M01</p> | <p>DO NOT SCALE USE FIGURED DIMENSIONS ONLY</p> |          |       |             |     |  |    |    |     |                              |  |                             |  |

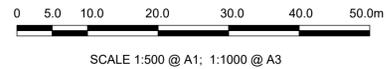


**LEGEND:**

- EXISTING KERB LINE
- PROPOSED KERB LINE
- IRISH WATER - EXISTING WATER NETWORK
- IRISH WATER - EXISTING WATER NETWORK DECOMMISSIONED
- IRISH WATER - PROPOSED WATER NETWORK DIVERSION
- SITE BOUNDARY LINE
- TEMPORARY LAND ACQUISITION

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| Rev | Date       | Drn | Chk'd | App'd | Description                  |
|-----|------------|-----|-------|-------|------------------------------|
| M01 | 13/05/2022 | DS  | EE    | SMG   | ISSUE FOR PHASE 4 : PLANNING |

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

Engineering Designer: **PROD**  
TYPSA

Date: 13/05/2022  
Scale: 1:500 @ A1  
1:1000 @ A3

Programme Code: BCIDD  
Originator Code: ROT

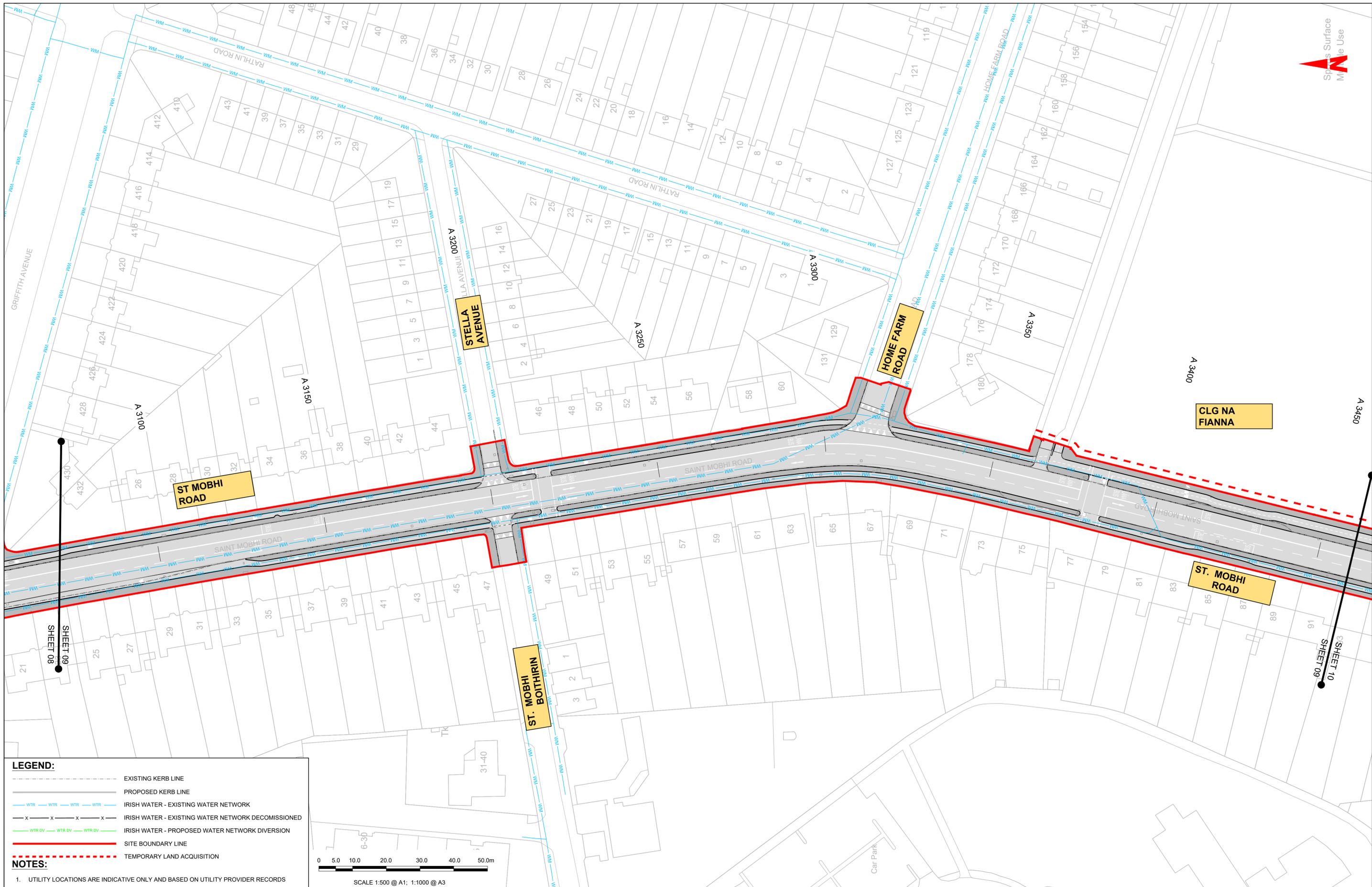
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Checked: EE  
Approved: SMG

QMS Code

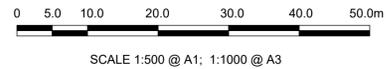
Programme Title: **BUSCONNECTS DUBLIN**  
**CORE BUS CORRIDORS INFRASTRUCTURE WORKS**

Drawing Title: **BALLYMUN / FINGLAS TO CITY CENTRE CORE BUS CORRIDOR SCHEME**  
IW WATER ASSET ALTERATION

Drawing File Name: BCIDD-ROT-UTL\_UW-0304\_XX\_00-DR-CU-0008  
Sheet Number: 08 of 37  
Status: A  
Rev: M01



- LEGEND:**
- EXISTING KERB LINE
  - PROPOSED KERB LINE
  - IRISH WATER - EXISTING WATER NETWORK
  - IRISH WATER - EXISTING WATER NETWORK DECOMMISSIONED
  - IRISH WATER - PROPOSED WATER NETWORK DIVERSION
  - SITE BOUNDARY LINE
  - TEMPORARY LAND ACQUISITION
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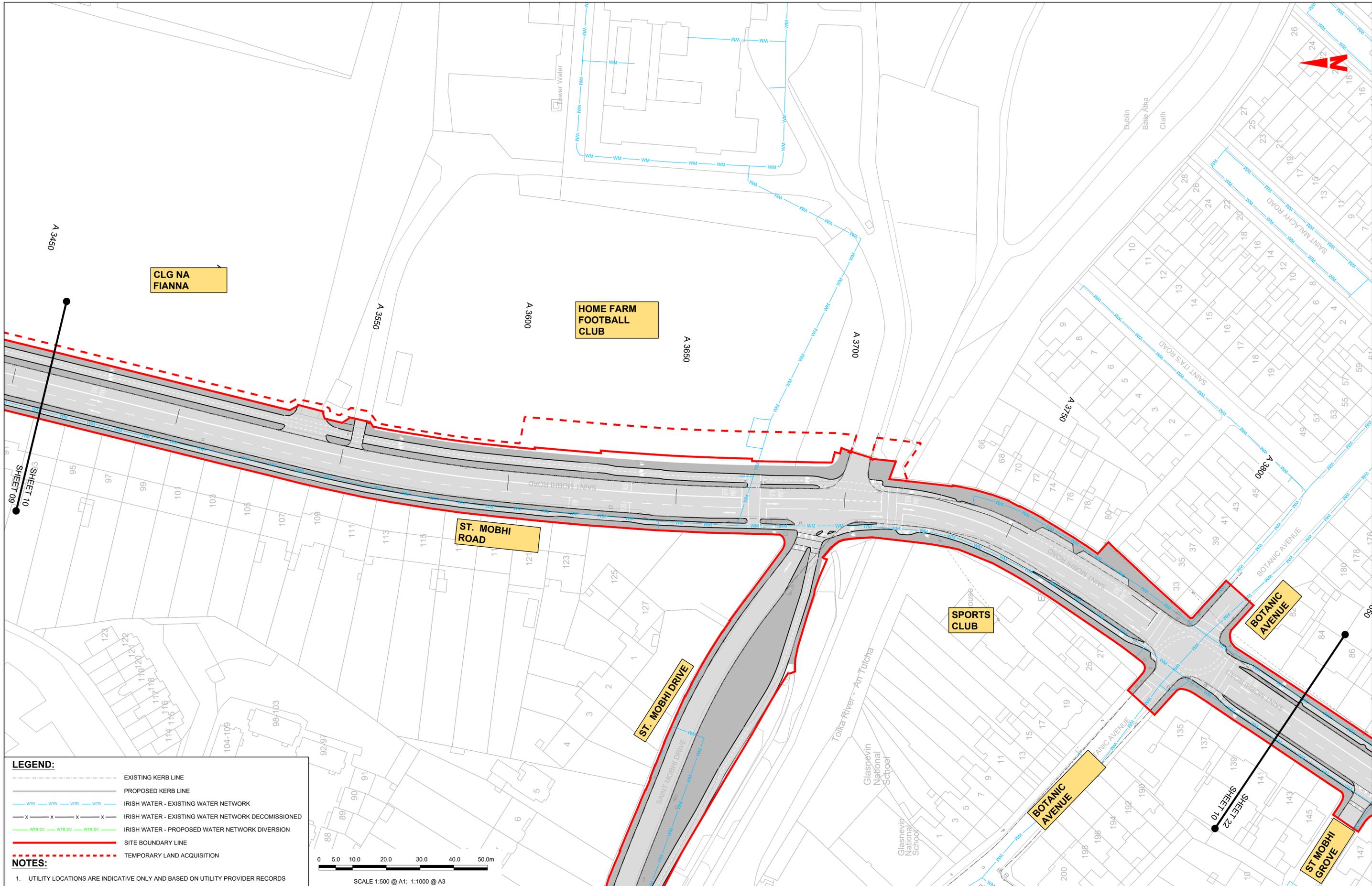
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| Rev | Date       | Drn | Chk'd | App'd | Description                  |
|-----|------------|-----|-------|-------|------------------------------|
| M01 | 13/05/2022 | DS  | EE    | SMG   | ISSUE FOR PHASE 4 : PLANNING |

|  |                                    |   |               |                 |
|--|------------------------------------|---|---------------|-----------------|
| Client<br><b>NTA</b><br>Údarás Náisiúnta Iompair<br>National Transport Authority |                                    | Engineering Designer<br><b>CIROD</b><br>TYPSA |               |                 |
| Date<br>13/05/2022   | Scale<br>1:500 @ A1<br>1:1000 @ A3 | Drawn<br>DS                                   | Checked<br>EE | Approved<br>SMG |
| Programme Code<br>BCIDD  | Originator Code<br>ROT             | QMS Code                                      |               |                 |

|  |                          |             |            |  |
|--|--------------------------|-------------|------------|--|
| Programme Title<br><b>BUSCONNECTS DUBLIN<br/>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>                 |                          |             |            |  |
| Drawing Title<br>BALLYMUN / FINGLAS TO CITY CENTRE CORE BUS CORRIDOR SCHEME<br>IW WATER ASSET ALTERATION |                          |             |            |  |
| Drawing File Name<br>BCIDD-ROT-UTL_UW-0304_XX_00-DR-CU-0009  | Sheet Number<br>09 of 37 | Status<br>A | Rev<br>M01 |  |

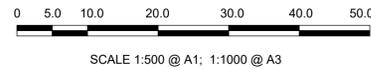


**LEGEND:**

- - - - - EXISTING KERB LINE
- - - - - PROPOSED KERB LINE
- WTR — WTR — WTR — WTR — IRISH WATER - EXISTING WATER NETWORK
- x - x - x - x - IRISH WATER - EXISTING WATER NETWORK DECOMMISSIONED
- WTR DV — WTR DV — WTR DV — IRISH WATER - PROPOSED WATER NETWORK DIVERSION
- SITE BOUNDARY LINE
- - - - - TEMPORARY LAND ACQUISITION

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|-----|------------|-----|-------|-------|------------------------------|
| M01 | 13/05/2022 | DS  | EE    | SMG   | ISSUE FOR PHASE 4 : PLANNING |

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

Engineering Designer: **CIROD**  
TYPSA

Date: 13/05/2022 Scale: 1:500 @ A1, 1:1000 @ A3

Programme Code: BCIDD Originator Code: ROT

Drawn: DS Checked: EE Approved: SMG

QMS Code:

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

Drawing Title: **BALLYMUN / FINGLAS TO CITY CENTRE CORE BUS CORRIDOR SCHEME**  
**IW WATER ASSET ALTERATION**

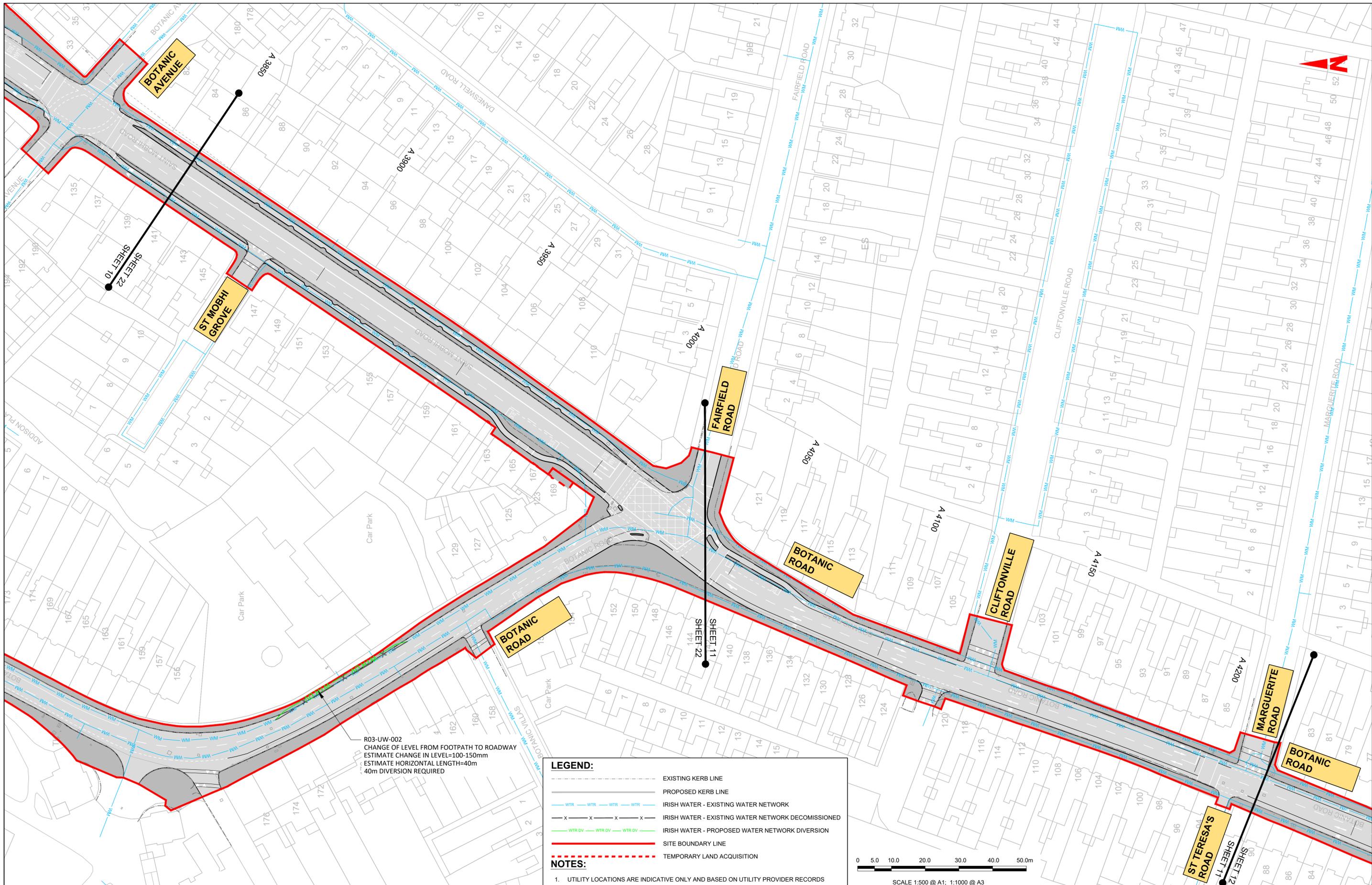
Drawing File Name: BCIDD-ROT-UTL\_UW-0304\_XX\_00-DR-CU-0010

Sheet Number: 10 of 37

Status: A

Rev: M01

DO NOT SCALE USE FIGURED DIMENSIONS ONLY



R03-UW-002  
 CHANGE OF LEVEL FROM FOOTPATH TO ROADWAY  
 ESTIMATE CHANGE IN LEVEL=100-150mm  
 ESTIMATE HORIZONTAL LENGTH=40m  
 40m DIVERSION REQUIRED

**LEGEND:**

- EXISTING KERB LINE
- PROPOSED KERB LINE
- IRISH WATER - EXISTING WATER NETWORK
- IRISH WATER - EXISTING WATER NETWORK DECOMMISSIONED
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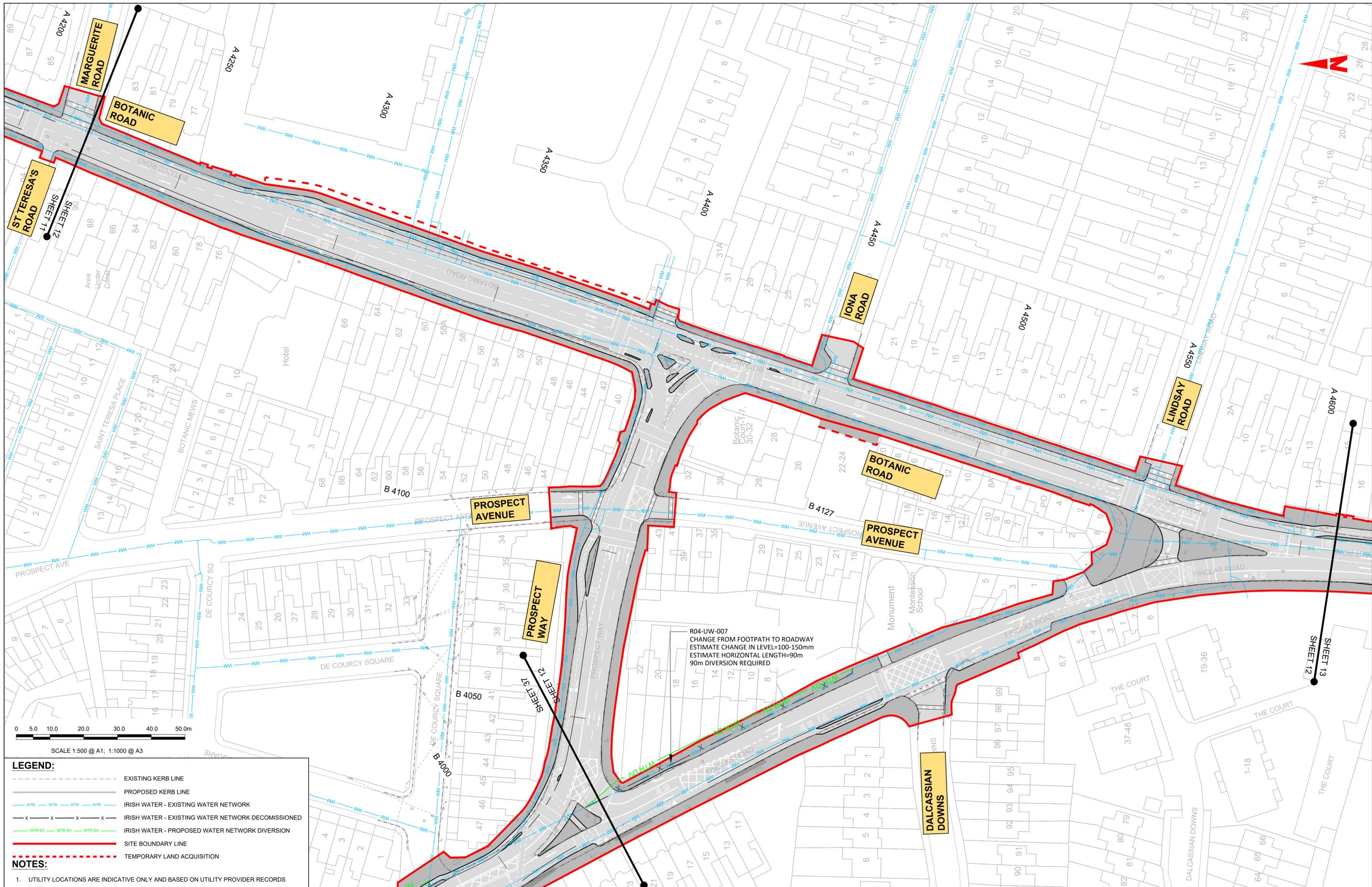


| Rev | Date       | Dm | Chk'd | App'd | Description                  |
|-----|------------|----|-------|-------|------------------------------|
| M01 | 13/05/2022 | DS | EE    | SMG   | ISSUE FOR PHASE 4 : PLANNING |

|  |                                    |   |               |                 |
|--|------------------------------------|---|---------------|-----------------|
| Client<br><b>NTA</b><br>Údarás Náisiúnta Iompair<br>National Transport Authority |                                    | Engineering Designer<br><b>CIROD</b><br>TYPSA |               |                 |
| Date<br>13/05/2022   | Scale<br>1:500 @ A1<br>1:1000 @ A3 | Drawn<br>DS                                   | Checked<br>EE | Approved<br>SMG |
| Programme Code<br>BCIDD  | Originator Code<br>ROT             | QMS Code                                      |               |                 |

|  |                          |             |            |
|--|--------------------------|-------------|------------|
| Programme Title<br><b>BUSCONNECTS DUBLIN<br/>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>                 |                          |             |            |
| Drawing Title<br>BALLYMUN / FINGLAS TO CITY CENTRE CORE BUS CORRIDOR SCHEME<br>IW WATER ASSET ALTERATION |                          |             |            |
| Drawing File Name<br>BCIDD-ROT-UTL_UW-0304_XX_00-DR-CU-0011  | Sheet Number<br>11 of 37 | Status<br>A | Rev<br>M01 |

DO NOT SCALE USE FIGURED DIMENSIONS ONLY



- LEGEND:**
- EXISTING KERB LINE
  - PROPOSED KERB LINE
  - IRISH WATER - EXISTING WATER NETWORK
  - IRISH WATER - EXISTING WATER NETWORK DECOMMISSIONED
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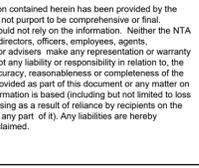
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| Rev | Date       | Drm | Chk'd | App'd | Description                  |
|-----|------------|-----|-------|-------|------------------------------|
| M01 | 13/05/2022 | DS  | EE    | SMG   | ISSUE FOR PHASE 4 : PLANNING |

Client

Date: 13/05/2022  
Scale: 1:500 @ A1, 1:1000 @ A3

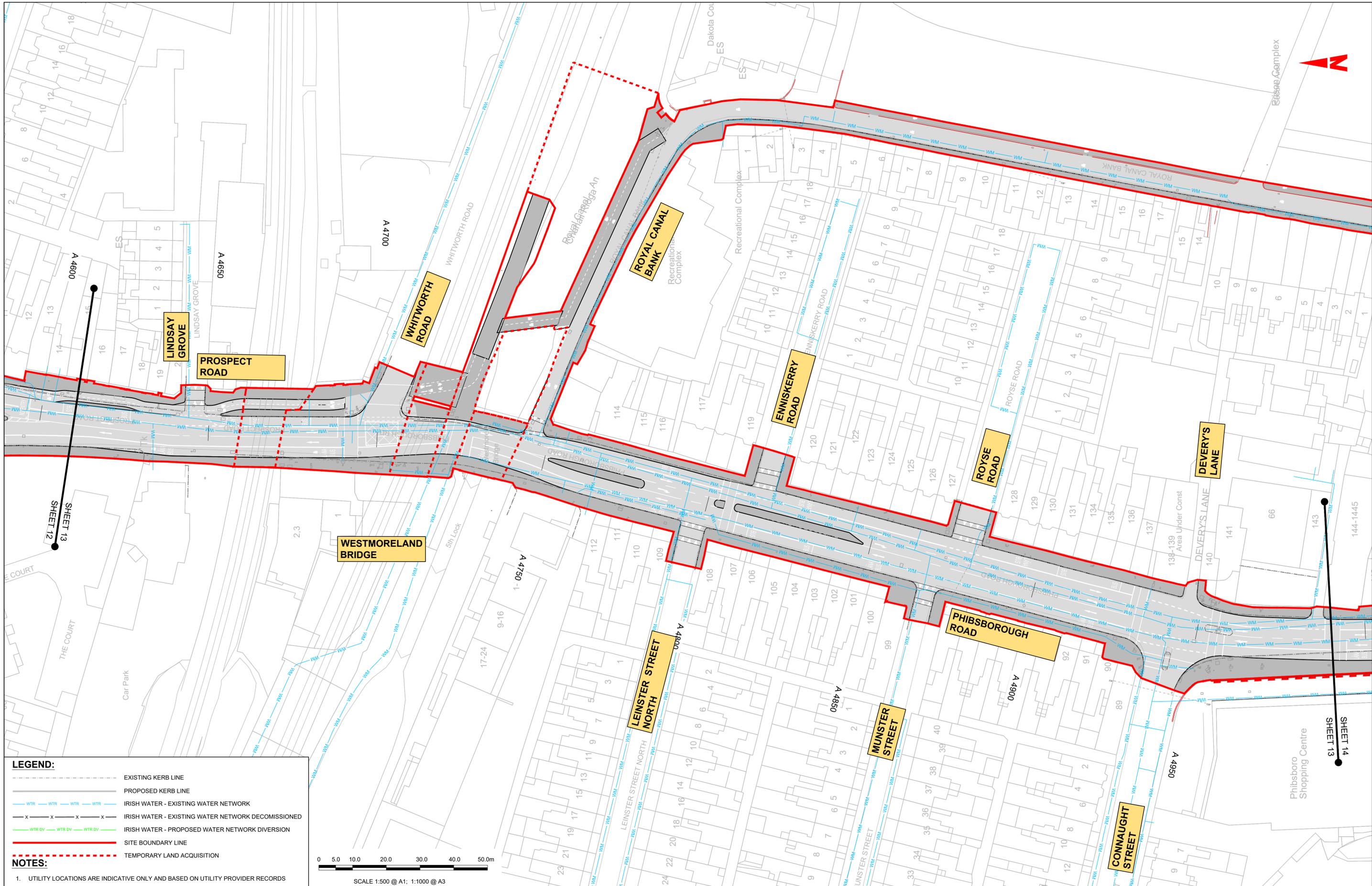
Engineering Designer

Drawn: DS  
Checked: EE  
Approved: SMG

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

Drawing Title: **BALLYMUN / FINGLAS TO CITY CENTRE CORE BUS CORRIDOR SCHEME IW WATER ASSET ALTERATION**

Drawing File Name: BCIDD-ROT-UTL\_UW-0304\_XX\_00-DR-CU-0012  
Sheet Number: 12 of 37  
Status: A  
Rev: M01

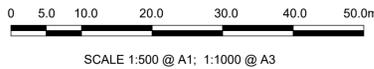


**LEGEND:**

- EXISTING KERB LINE
- PROPOSED KERB LINE
- IRISH WATER - EXISTING WATER NETWORK
- IRISH WATER - EXISTING WATER NETWORK DECOMMISSIONED
- IRISH WATER - PROPOSED WATER NETWORK DIVERSION
- SITE BOUNDARY LINE
- TEMPORARY LAND ACQUISITION

**NOTES:**

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| Rev | Date       | Drn | Chk'd | App'd | Description                  |
|-----|------------|-----|-------|-------|------------------------------|
| M01 | 13/05/2022 | DS  | EE    | SMG   | ISSUE FOR PHASE 4 : PLANNING |

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

Engineering Designer: **CIROD**  
TYPSA

Date: 13/05/2022  
Scale: 1:500 @ A1, 1:1000 @ A3

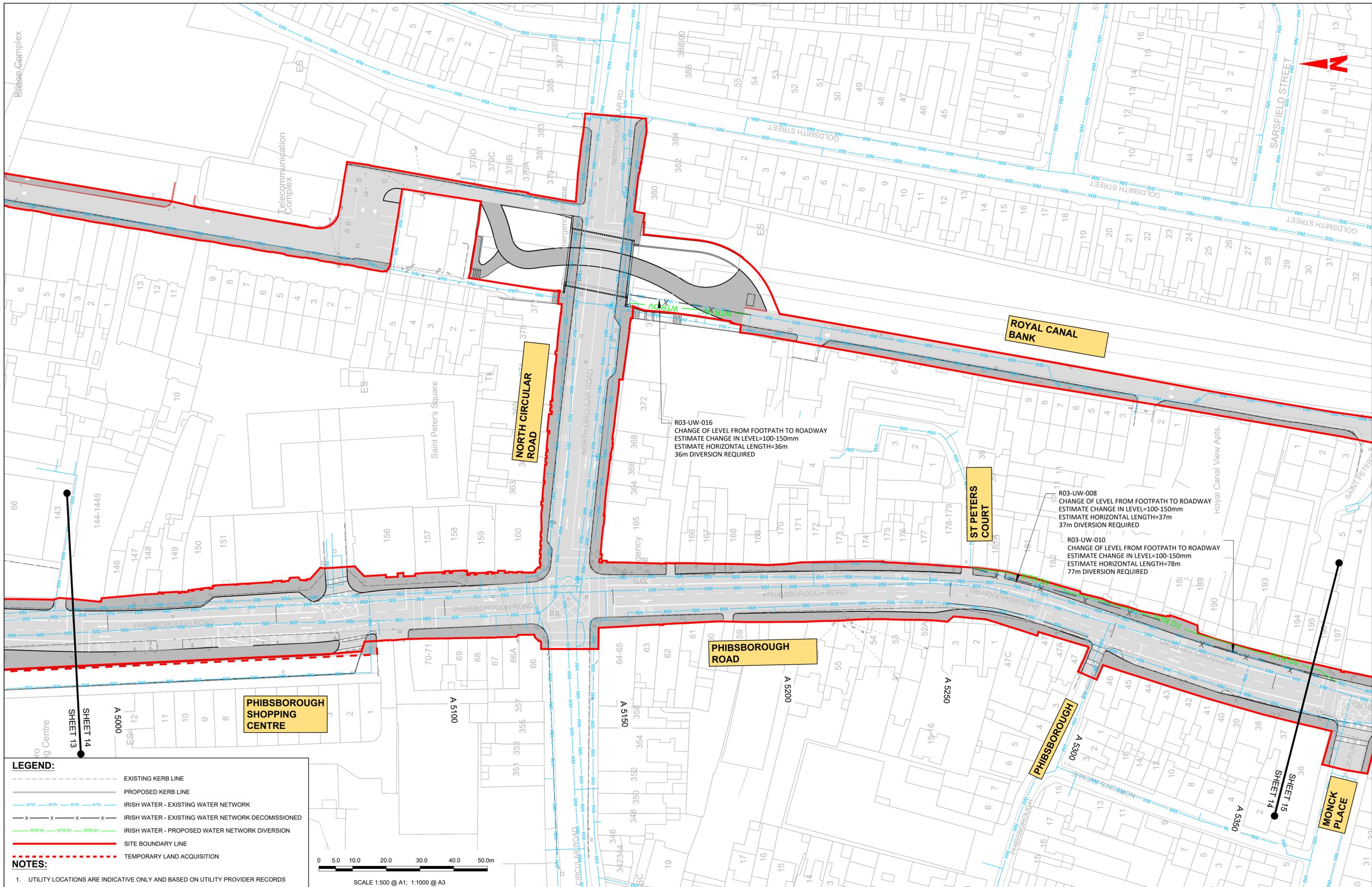
Programme Code: BCIDD  
Originator Code: ROT

Drawn: DS  
Checked: EE  
Approved: SMG

QMS Code

|  |                        |           |          |
|--|------------------------|-----------|----------|
| Programme Title: <b>BUSCONNECTS DUBLIN<br/>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>                         |                        |           |          |
| Drawing Title: <b>BALLYMUN / FINGLAS TO CITY CENTRE CORE BUS CORRIDOR SCHEME<br/>IW WATER ASSET ALTERATION</b> |                        |           |          |
| Drawing File Name: BCIDD-ROT-UTL_UW-0304_XX_00-DR-CU-0013  | Sheet Number: 13 of 37 | Status: A | Rev: M01 |

DO NOT SCALE USE FIGURED DIMENSIONS ONLY



- LEGEND:**
- - - - - EXISTING KERB LINE
  - - - - - PROPOSED KERB LINE
  - WTR WTR WTR WTR IRISH WATER - EXISTING WATER NETWORK
  - x x x x IRISH WATER - EXISTING WATER NETWORK DECOMMISSIONED
  - WTR DV WTR DV WTR DV IRISH WATER - PROPOSED WATER NETWORK DIVERSION
  - SITE BOUNDARY LINE
  - - - - - TEMPORARY LAND ACQUISITION
- NOTES:**
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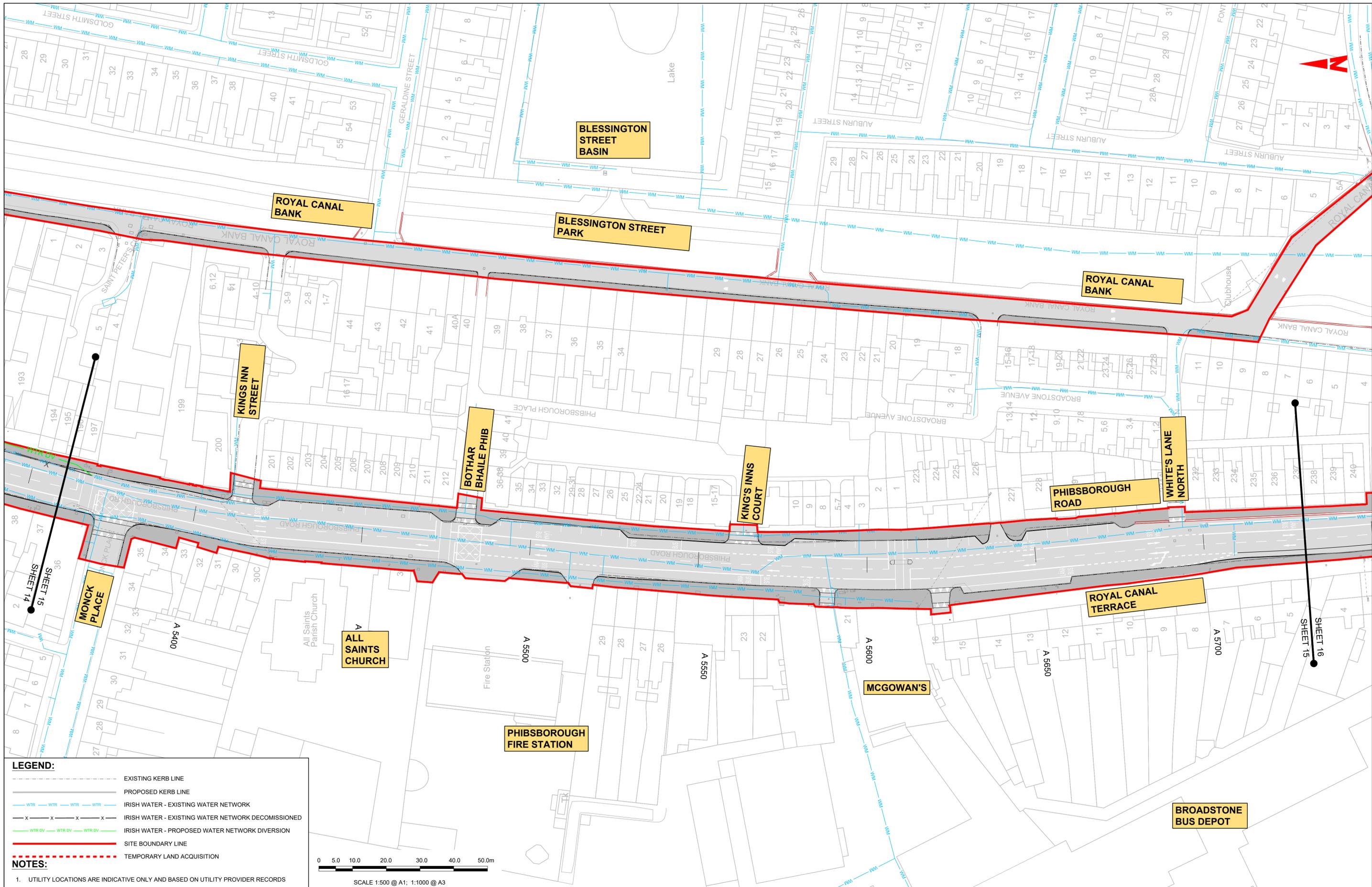


| Rev | Date       | Dm | Chk'd | App'd | Description                  |
|-----|------------|----|-------|-------|------------------------------|
| M01 | 13/05/2022 | DS | EE    | SMG   | ISSUE FOR PHASE 4 : PLANNING |

|  |                                    |  |               |                 |
|--|------------------------------------|--|---------------|-----------------|
| Client<br><b>NTA</b><br>Udarás Náisiúnta Iompair<br>National Transport Authority |                                    | Engineering Designer<br><b>PROD</b><br>TYPSA |               |                 |
| Date<br>13/05/2022   | Scale<br>1:500 @ A1<br>1:1000 @ A3 | Drawn<br>DS                                  | Checked<br>EE | Approved<br>SMG |
| Programme Code<br>BCIDD  | Originator Code<br>ROT             | QMS Code                                     |               |                 |

|   |                          |             |            |
|---|--------------------------|-------------|------------|
| Programme Title<br><b>BUSCONNECTS DUBLIN<br/>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>                |                          |             |            |
| Drawing Title<br>BALLYMUN / INGLAS TO CITY CENTRE CORE BUS CORRIDOR SCHEME<br>IW WATER ASSET ALTERATION |                          |             |            |
| Drawing File Name<br>BCIDD-ROT-UTL_UW-0304_XX_00-DR-CU-0014   | Sheet Number<br>14 of 37 | Status<br>A | Rev<br>M01 |

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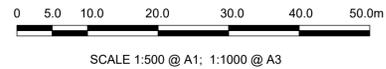


**LEGEND:**

- EXISTING KERB LINE
- PROPOSED KERB LINE
- IRISH WATER - EXISTING WATER NETWORK
- IRISH WATER - EXISTING WATER NETWORK DECOMMISSIONED
- IRISH WATER - PROPOSED WATER NETWORK DIVERSION
- SITE BOUNDARY LINE
- TEMPORARY LAND ACQUISITION

**NOTES:**

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| M01 | 13/05/2022 | DS  | EE    | SMG   | ISSUE FOR PHASE 4 : PLANNING |

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

Engineering Designer: **FIROD**  
TYPSA

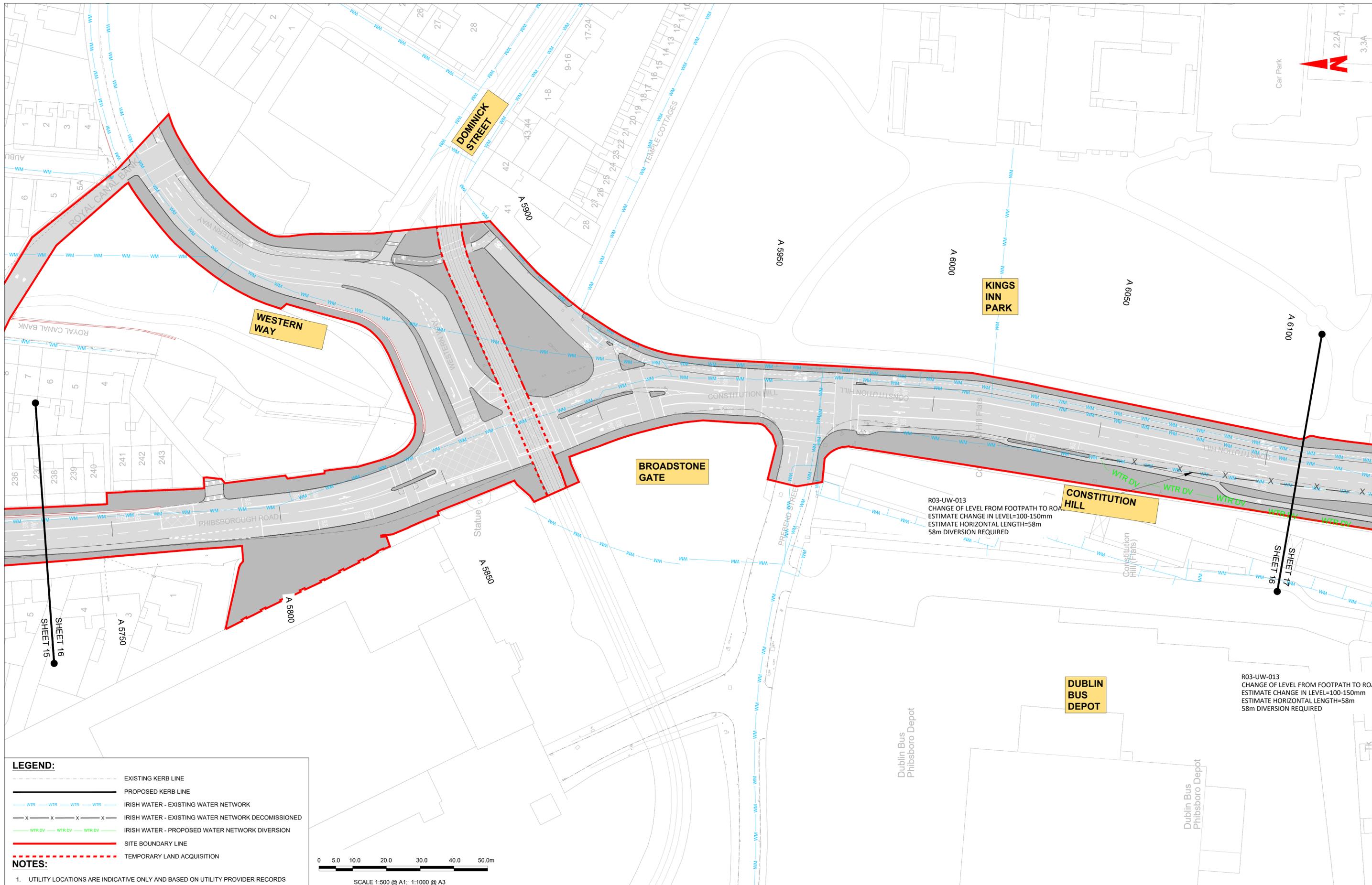
Date: 13/05/2022  
Scale: 1:500 @ A1  
1:1000 @ A3

Drawn: DS  
Checked: EE  
Approved: SMG

Programme Code: BCIDD  
Originator Code: ROT  
QMS Code:

|  |                        |           |          |
|--|------------------------|-----------|----------|
| Programme Title: <b>BUSCONNECTS DUBLIN<br/>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>                         |                        |           |          |
| Drawing Title: <b>BALLYMUN / FINGLAS TO CITY CENTRE CORE BUS CORRIDOR SCHEME<br/>IW WATER ASSET ALTERATION</b> |                        |           |          |
| Drawing File Name: BCIDD-ROT-UTL_UW-0304_XX_00-DR-CU-0015  | Sheet Number: 15 of 37 | Status: A | Rev: M01 |

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**LEGEND:**

- EXISTING KERB LINE
- PROPOSED KERB LINE
- IRISH WATER - EXISTING WATER NETWORK
- IRISH WATER - EXISTING WATER NETWORK DECOMMISSIONED
- IRISH WATER - PROPOSED WATER NETWORK DIVERSION
- SITE BOUNDARY LINE
- TEMPORARY LAND ACQUISITION

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| M01 | 13/05/2022 | DS  | EE    | SMG   | ISSUE FOR PHASE 4 : PLANNING |

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

Date: 13/05/2022  
Scale: 1:500 @ A1  
1:1000 @ A3

Engineering Designer: **CIROD** (TYPSA)

Drawn: DS  
Checked: EE  
Approved: SMG

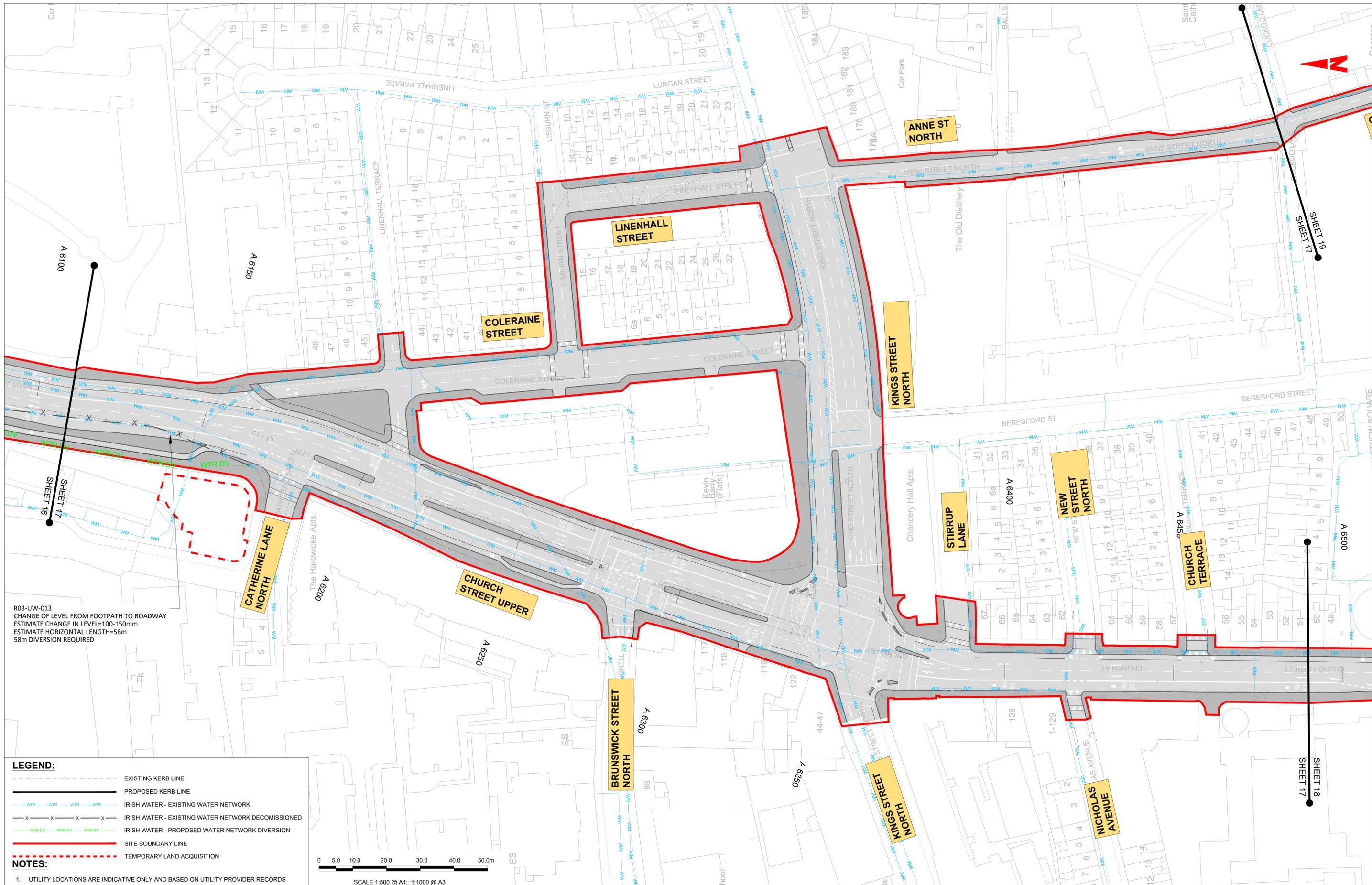
Programme Code: BCIDD  
Originator Code: ROT  
QMS Code:

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

Drawing Title: **BALLYMUN / FINGLAS TO CITY CENTRE CORE BUS CORRIDOR SCHEME**  
IW WATER ASSET ALTERATION

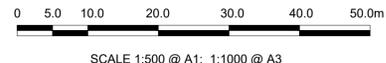
Drawing File Name: BCIDD-ROT-UTL\_UW-0304\_XX\_00-DR-CU-0016  
Sheet Number: 16 of 37  
Status: A  
Rev: M01

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R03-UW-013  
 CHANGE OF LEVEL FROM FOOTPATH TO ROADWAY  
 ESTIMATE CHANGE IN LEVEL=100-150mm  
 ESTIMATE HORIZONTAL LENGTH=58m  
 58m DIVERSION REQUIRED

- LEGEND:**
- EXISTING KERB LINE
  - PROPOSED KERB LINE
  - WTR WTR WTR WTR IRISH WATER - EXISTING WATER NETWORK
  - x x x x IRISH WATER - EXISTING WATER NETWORK DECOMMISSIONED
  - WTR DV WTR DV WTR DV IRISH WATER - PROPOSED WATER NETWORK DIVERSION
  - SITE BOUNDARY LINE
  - TEMPORARY LAND ACQUISITION
- NOTES:**
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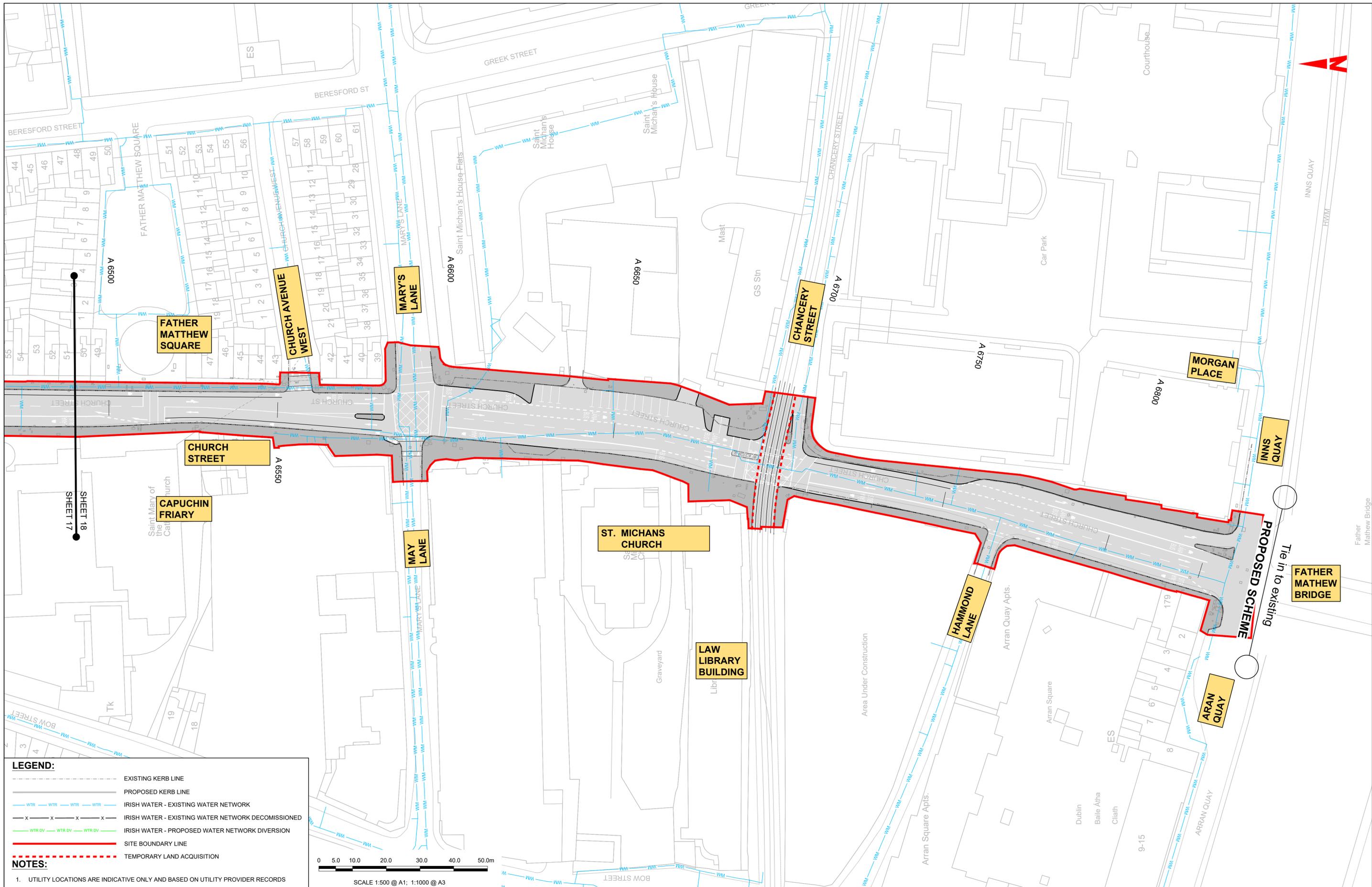


| Rev | Date       | Drm | Chk'd | App'd | Description                  |
|-----|------------|-----|-------|-------|------------------------------|
| M01 | 13/05/2022 | DS  | EE    | SMG   | ISSUE FOR PHASE 4 : PLANNING |

|   |                                    |   |               |                 |
|---|------------------------------------|---|---------------|-----------------|
| Client<br><b>NTA</b><br>Údaráis Náisiúnta Iompair<br>National Transport Authority |                                    | Engineering Designer<br><b>FIROD</b><br>TYPSA |               |                 |
| Date<br>13/05/2022  | Scale<br>1:500 @ A1<br>1:1000 @ A3 | Drawn<br>DS                                   | Checked<br>EE | Approved<br>SMG |
| Programme Code<br>BCIDD   | Originator Code<br>ROT             | QMS Code                                      |               |                 |

|  |                          |             |            |  |
|--|--------------------------|-------------|------------|--|
| Programme Title<br><b>BUSCONNECTS DUBLIN<br/>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>                 |                          |             |            |  |
| Drawing Title<br>BALLYMUN / FINGLAS TO CITY CENTRE CORE BUS CORRIDOR SCHEME<br>IW WATER ASSET ALTERATION |                          |             |            |  |
| Drawing File Name<br>BCIDD-ROT-UTL_UW-0304_XX_00-DR-CU-0017  | Sheet Number<br>17 of 37 | Status<br>A | Rev<br>M01 |  |

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**LEGEND:**

- EXISTING KERB LINE
- PROPOSED KERB LINE
- IRISH WATER - EXISTING WATER NETWORK
- IRISH WATER - EXISTING WATER NETWORK DECOMMISSIONED
- IRISH WATER - PROPOSED WATER NETWORK DIVERSION
- SITE BOUNDARY LINE
- TEMPORARY LAND ACQUISITION

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| Rev | Date       | Drn | Chk'd | App'd | Description                  |
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Client  
**NTA**  
 Údarás Náisiúnta Iompair  
 National Transport Authority

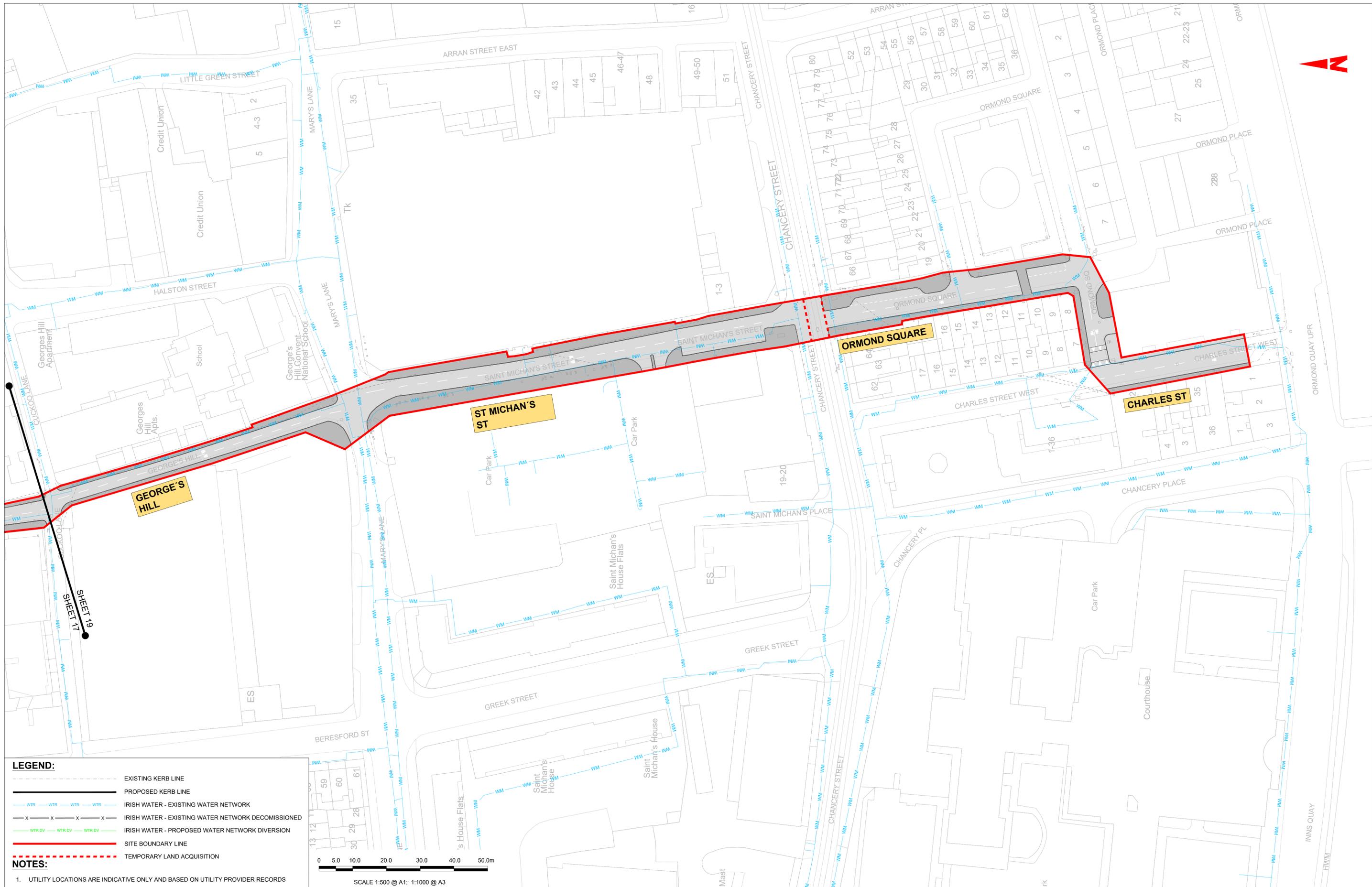
Engineering Designer  
**FIROD**  
 TYPSA

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

Drawing Title  
 BALLYMUN / FINGLAS TO CITY CENTRE CORE BUS CORRIDOR SCHEME  
 IW WATER ASSET ALTERATION

|            |                           |       |         |          |
|------------|---------------------------|-------|---------|----------|
| Date       | Scale                     | Drawn | Checked | Approved |
| 13/05/2022 | 1:500 @ A1<br>1:1000 @ A3 | DS    | EE      | SMG      |

Drawing File Name: BCIDD-ROT-UTL\_UW-0304\_XX\_00-DR-CU-0018  
 Sheet Number: 18 of 37  
 Status: A  
 Rev: M01

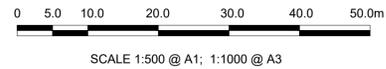


**LEGEND:**

- - - - - EXISTING KERB LINE
- — — — PROPOSED KERB LINE
- WTR WTR WTR WTR IRISH WATER - EXISTING WATER NETWORK
- x x x x IRISH WATER - EXISTING WATER NETWORK DECOMMISSIONED
- WTRDV WTRDV WTRDV IRISH WATER - PROPOSED WATER NETWORK DIVERSION
- — — — SITE BOUNDARY LINE
- - - - - TEMPORARY LAND ACQUISITION

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| Rev | Date       | Drn | Chk'd | App'd | Description                  |
|-----|------------|-----|-------|-------|------------------------------|
| M01 | 13/05/2022 | DS  | EE    | SMG   | ISSUE FOR PHASE 4 : PLANNING |

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

Engineering Designer: **FIROD**  
TYPSA

Date: 13/05/2022  
Scale: 1:500 @ A1  
1:1000 @ A3

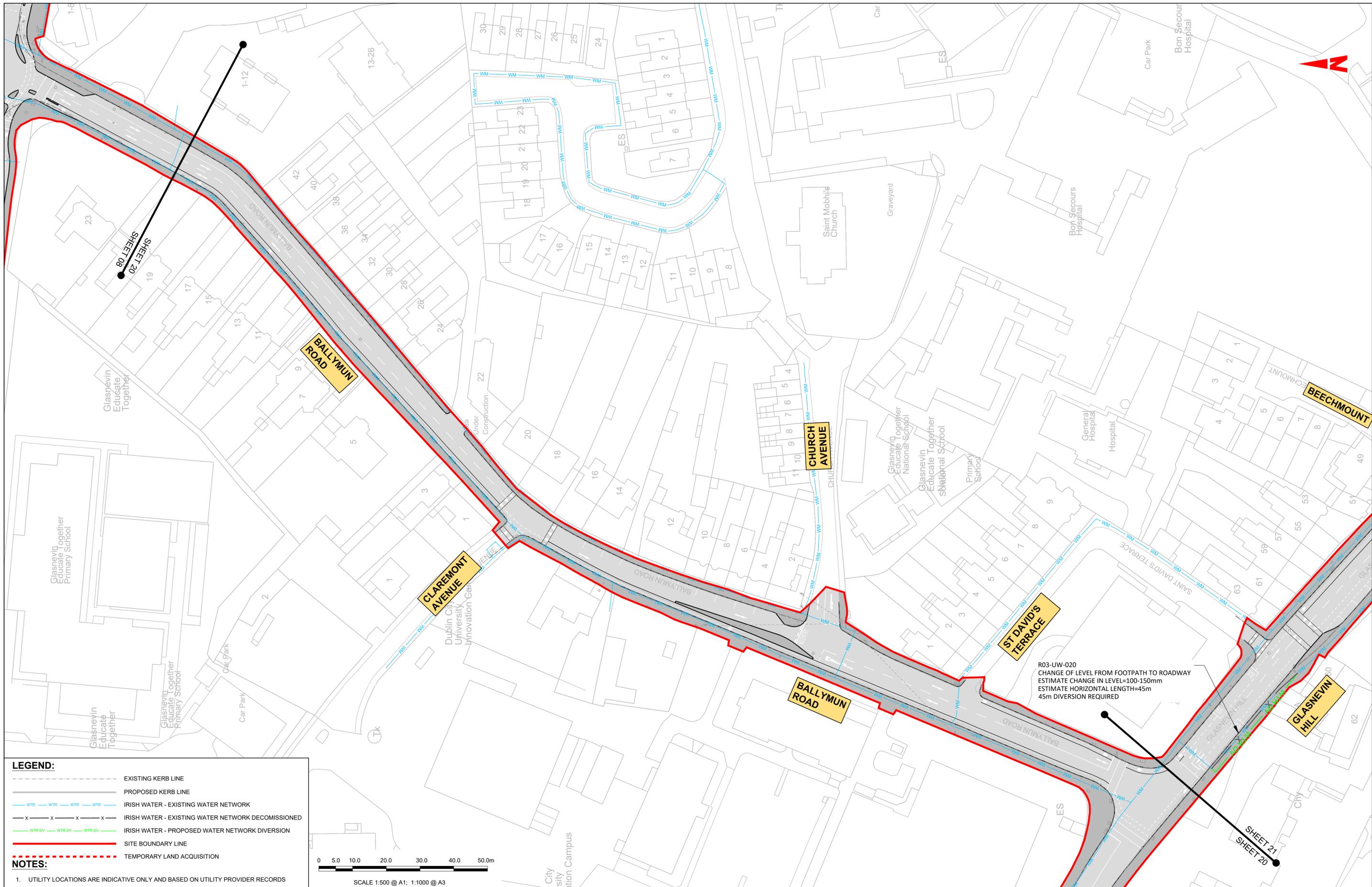
Drawn: DS  
Checked: EE  
Approved: SMG

Programme Code: BCIDD  
Originator Code: ROT

QMS Code:

|  |                          |             |            |
|--|--------------------------|-------------|------------|
| Programme Title<br><b>BUSCONNECTS DUBLIN<br/>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>                 |                          |             |            |
| Drawing Title<br>BALLYMUN / FINGLAS TO CITY CENTRE CORE BUS CORRIDOR SCHEME<br>IW WATER ASSET ALTERATION |                          |             |            |
| Drawing File Name<br>BCIDD-ROT-UTL_UW-0304_XX_00-DR-CU-0019  | Sheet Number<br>19 of 37 | Status<br>A | Rev<br>M01 |

DO NOT SCALE USE FIGURED DIMENSIONS ONLY

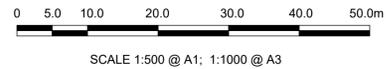


**LEGEND:**

- EXISTING KERB LINE
- - - PROPOSED KERB LINE
- WTR IRISH WATER - EXISTING WATER NETWORK
- x-x-x-x IRISH WATER - EXISTING WATER NETWORK DECOMMISSIONED
- WTR DV IRISH WATER - PROPOSED WATER NETWORK DIVERSION
- SITE BOUNDARY LINE
- - - - - TEMPORARY LAND ACQUISITION

**NOTES:**

- UTILITY LOCATIONS ARE INDICATIVE ONLY AND BASED ON UTILITY PROVIDER RECORDS



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| Rev | Date       | Drn | Chk'd | App'd | Description                  |
|-----|------------|-----|-------|-------|------------------------------|
| M01 | 13/05/2022 | DS  | EE    | SMG   | ISSUE FOR PHASE 4 : PLANNING |

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

Engineering Designer: **CIROD**  
CIROD TYPSA

Date: 13/05/2022  
Scale: 1:500 @ A1, 1:1000 @ A3

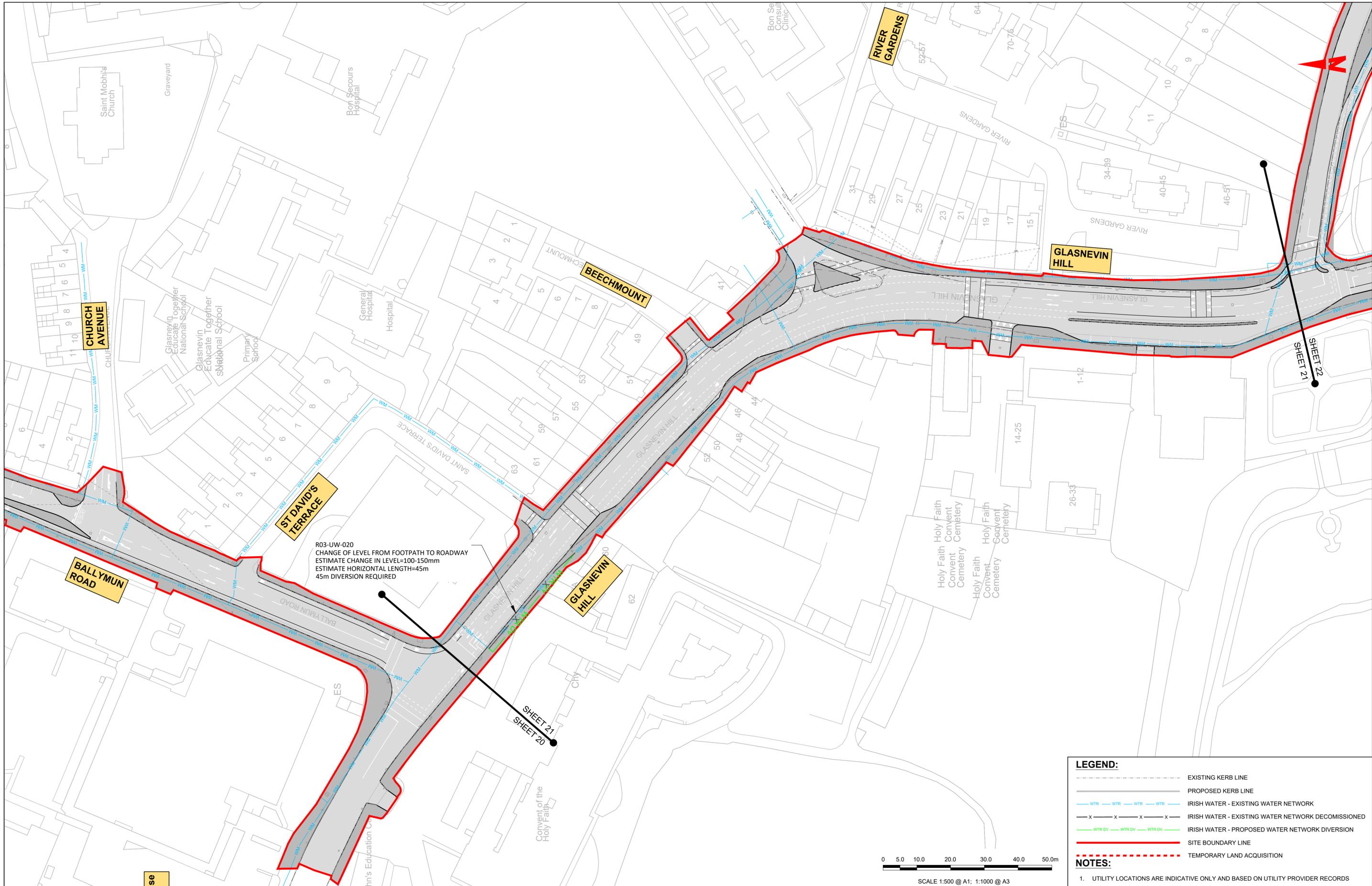
Drawn: DS  
Checked: EE  
Approved: SMG

Programme Code: BCIDD  
Originator Code: ROT

QMS Code:

|  |                        |           |          |
|--|------------------------|-----------|----------|
| Programme Title: <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>                         |                        |           |          |
| Drawing Title: <b>BALLYMUN / FINGLAS TO CITY CENTRE CORE BUS CORRIDOR SCHEME IW WATER ASSET ALTERATION</b> |                        |           |          |
| Drawing File Name: BCIDD-ROT-UTL_UW-0304_XX_00-DR-CU-0020  | Sheet Number: 20 of 37 | Status: A | Rev: M01 |

DO NOT SCALE USE FIGURED DIMENSIONS ONLY



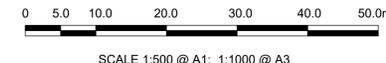
R03-UW-020  
 CHANGE OF LEVEL FROM FOOTPATH TO ROADWAY  
 ESTIMATE CHANGE IN LEVEL=100-150mm  
 ESTIMATE HORIZONTAL LENGTH=45m  
 45m DIVERSION REQUIRED

**LEGEND:**

- EXISTING KERB LINE
- PROPOSED KERB LINE
- IRISH WATER - EXISTING WATER NETWORK
- IRISH WATER - EXISTING WATER NETWORK DECOMMISSIONED
- IRISH WATER - PROPOSED WATER NETWORK DIVERSION
- SITE BOUNDARY LINE
- TEMPORARY LAND ACQUISITION

**NOTES:**

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

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| Rev | Date       | Drm | Chk'd | App'd | Description                  |
|-----|------------|-----|-------|-------|------------------------------|
| M01 | 13/05/2022 | DS  | EE    | SMG   | ISSUE FOR PHASE 4 : PLANNING |

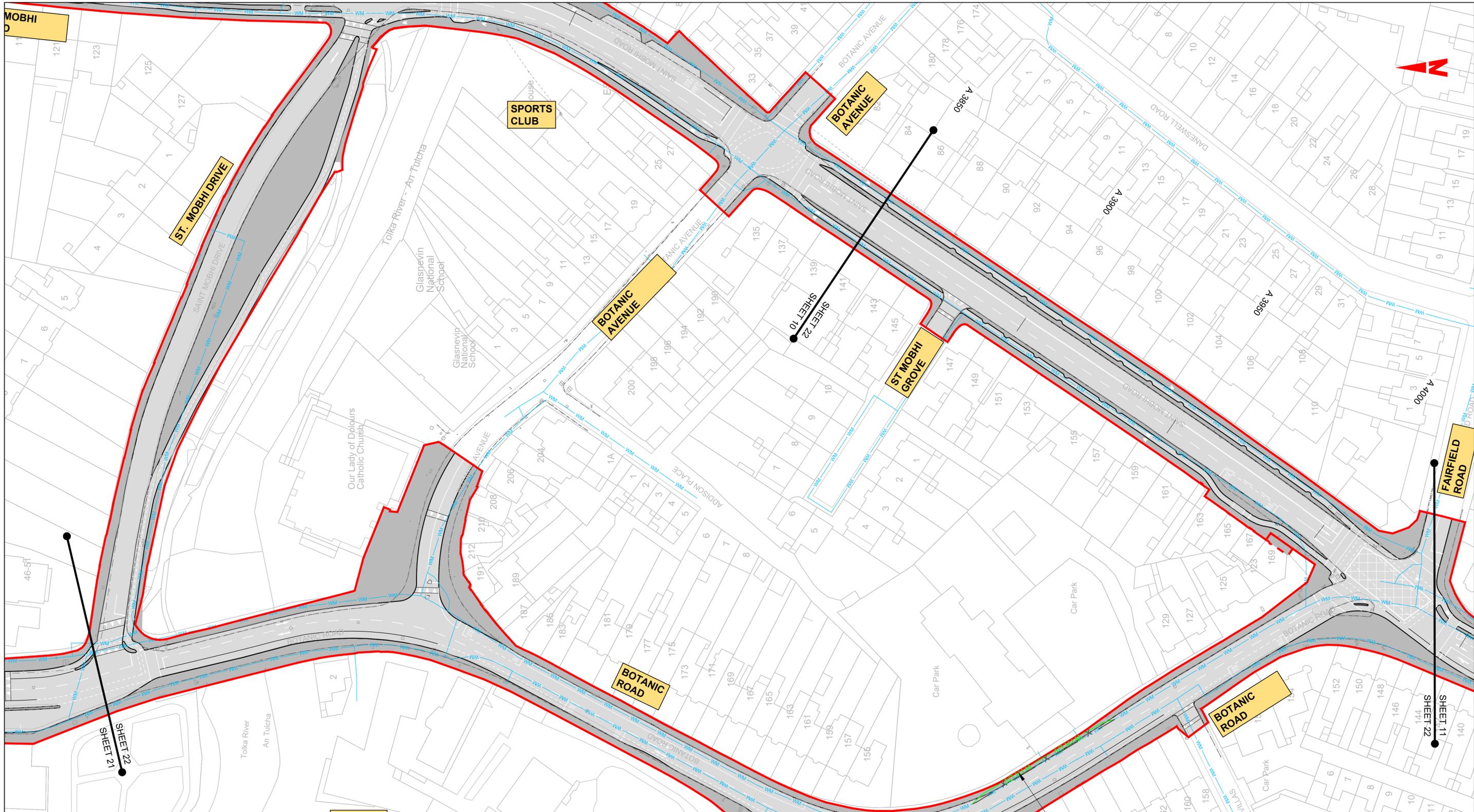
Client: **NTA** Údarás Náisiúnta Iompair National Transport Authority

Engineering Designer: **CIROD** TYPSA

|                |                           |          |         |          |
|----------------|---------------------------|----------|---------|----------|
| Date           | Scale                     | Drawn    | Checked | Approved |
| 13/05/2022     | 1:500 @ A1<br>1:1000 @ A3 | DS       | EE      | SMG      |
| Programme Code | Originator Code           | QMS Code |         |          |
| BCIDD          | ROT                       |          |         |          |

|   |              |        |     |
|---|--------------|--------|-----|
| Programme Title   |              |        |     |
| <b>BUSCONNECTS DUBLIN<br/>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>                   |              |        |     |
| Drawing Title   |              |        |     |
| BALLYMUN / FINGLAS TO CITY CENTRE CORE BUS CORRIDOR SCHEME<br>IW WATER ASSET ALTERATION |              |        |     |
| Drawing File Name   | Sheet Number | Status | Rev |
| BCIDD-ROT-UTL_UW-0304_XX_00-DR-CU-0021  | 21 of 37     | A      | M01 |

DO NOT SCALE USE FIGURED DIMENSIONS ONLY



**LEGEND:**

- EXISTING KERB LINE
- PROPOSED KERB LINE
- IRISH WATER - EXISTING WATER NETWORK
- IRISH WATER - EXISTING WATER NETWORK DECOMMISSIONED
- IRISH WATER - PROPOSED WATER NETWORK DIVERSION
- SITE BOUNDARY LINE
- TEMPORARY LAND ACQUISITION

**NOTES:**

- UTILITY LOCATIONS ARE INDICATIVE ONLY AND BASED ON UTILITY PROVIDER RECORDS

**BOTANIC GARDENS**

SCALE 1:500 @ A1; 1:1000 @ A3

R03-UW-002  
 CHANGE OF LEVEL FROM FOOTPATH TO ROADWAY  
 ESTIMATE CHANGE IN LEVEL=100-150mm  
 ESTIMATE HORIZONTAL LENGTH=40m  
 40m DIVERSION REQUIRED

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| Rev | Date       | Drm | Chk'd | App'd | Description                  |
|-----|------------|-----|-------|-------|------------------------------|
| M01 | 13/05/2022 | DS  | EE    | SMG   | ISSUE FOR PHASE 4 : PLANNING |

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

Engineering Designer: **CIROD**  
 TYPSA

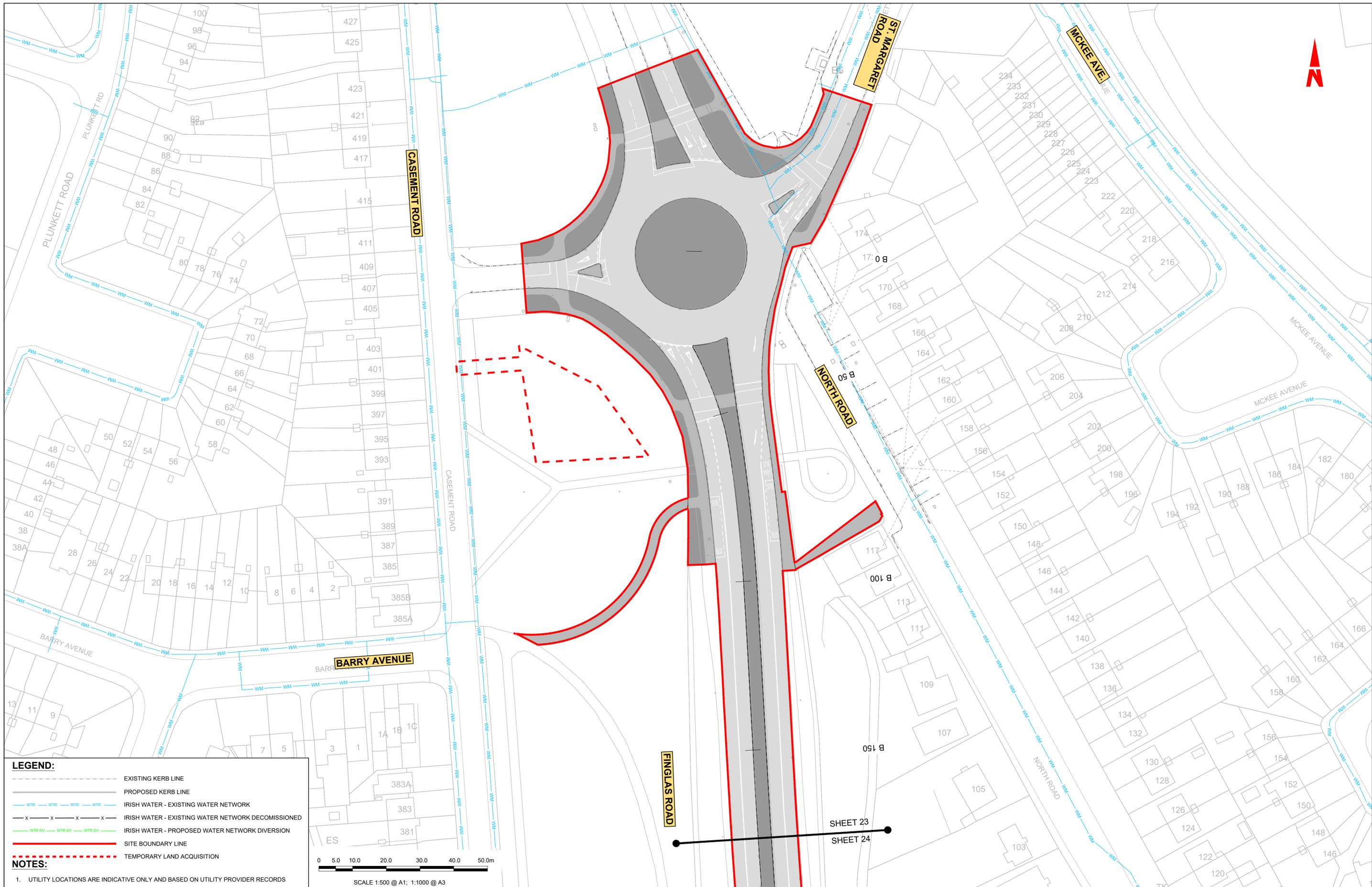
Date: 13/05/2022  
 Scale: 1:500 @ A1, 1:1000 @ A3

Programme Code: BCIDD  
 Originator Code: ROT

Drawn: DS  
 Checked: EE  
 Approved: SMG

QMS Code:

|  |                          |             |            |
|--|--------------------------|-------------|------------|
| Programme Title<br><b>BUSCONNECTS DUBLIN<br/>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>                 |                          |             |            |
| Drawing Title<br>BALLYMUN / FINGLAS TO CITY CENTRE CORE BUS CORRIDOR SCHEME<br>IW WATER ASSET ALTERATION |                          |             |            |
| Drawing File Name<br>BCIDD-ROT-UTL_UW-0304_XX_00-DR-CU-0022  | Sheet Number<br>22 of 37 | Status<br>A | Rev<br>M01 |

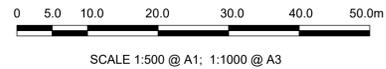


**LEGEND:**

- EXISTING KERB LINE
- PROPOSED KERB LINE
- IRISH WATER - EXISTING WATER NETWORK
- IRISH WATER - EXISTING WATER NETWORK DECOMMISSIONED
- IRISH WATER - PROPOSED WATER NETWORK DIVERSION
- SITE BOUNDARY LINE
- TEMPORARY LAND ACQUISITION

**NOTES:**

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| Rev | Date       | Drn | Chk'd | App'd | Description                  |
|-----|------------|-----|-------|-------|------------------------------|
| M01 | 13/05/2022 | DS  | EE    | SMG   | ISSUE FOR PHASE 4 : PLANNING |

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

Engineering Designer: **PROD**  
TYPSA

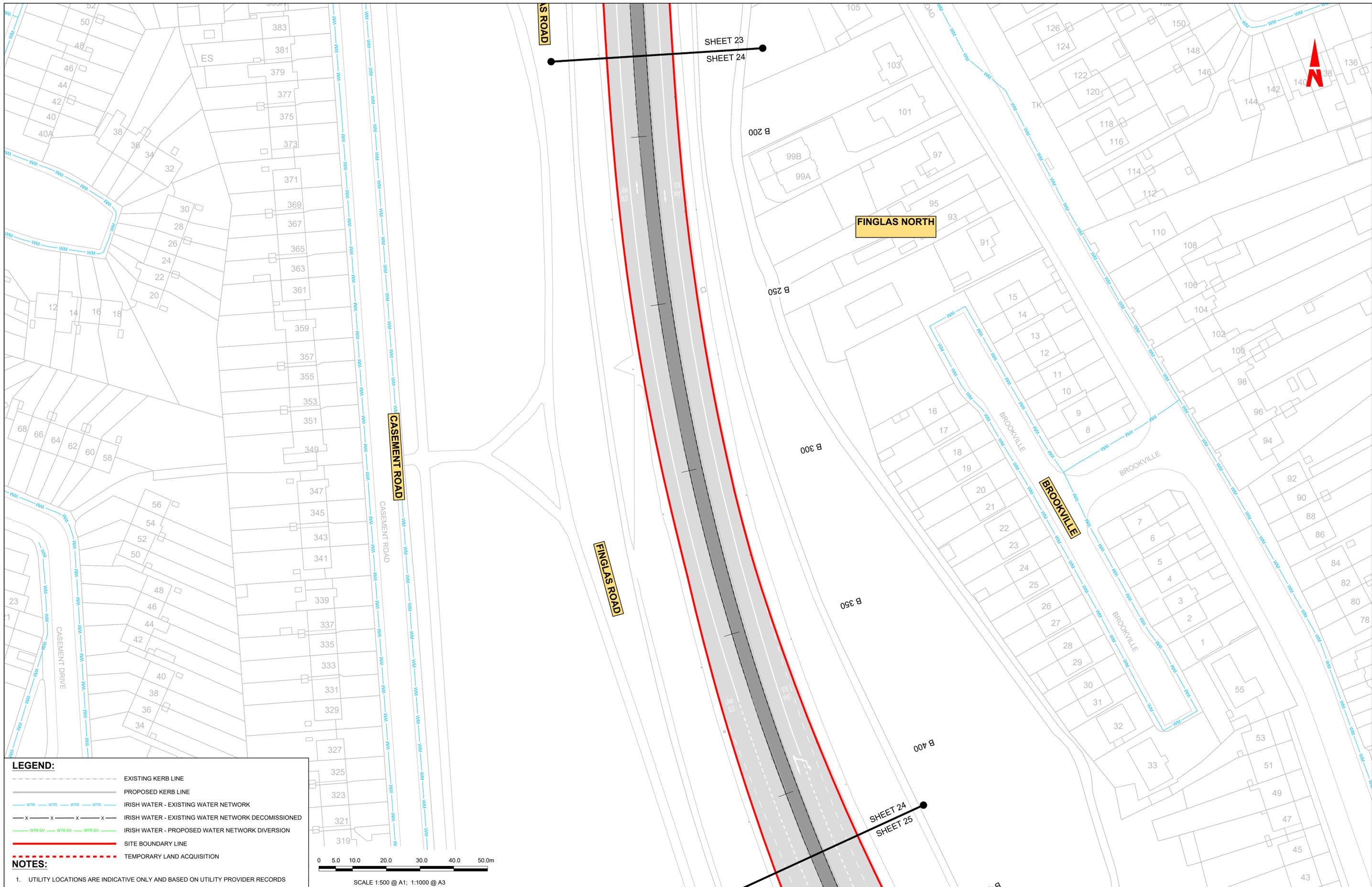
Date: 13/05/2022  
Scale: 1:500 @ A1  
1:1000 @ A3

Drawn: DS  
Checked: EE  
Approved: SMG

Programme Code: BCIDD  
Originator Code: ROT  
QMS Code:

|  |                        |           |          |
|--|------------------------|-----------|----------|
| Programme Title: <b>BUSCONNECTS DUBLIN<br/>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>                         |                        |           |          |
| Drawing Title: <b>BALLYMUN / FINGLAS TO CITY CENTRE CORE BUS CORRIDOR SCHEME<br/>IW WATER ASSET ALTERATION</b> |                        |           |          |
| Drawing File Name: BCIDD-ROT-UTL_UW-0304_XX_00-DR-CU-0023  | Sheet Number: 23 of 37 | Status: A | Rev: M01 |

W.I.P.

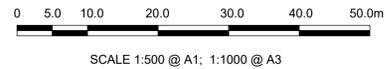


**LEGEND:**

- EXISTING KERB LINE
- PROPOSED KERB LINE
- IRISH WATER - EXISTING WATER NETWORK
- IRISH WATER - EXISTING WATER NETWORK DECOMMISSIONED
- IRISH WATER - PROPOSED WATER NETWORK DIVERSION
- SITE BOUNDARY LINE
- TEMPORARY LAND ACQUISITION

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| Rev | Date       | Dwn | Chk'd | App'd | Description                  |
|-----|------------|-----|-------|-------|------------------------------|
| M01 | 13/05/2022 | DS  | EE    | SMG   | ISSUE FOR PHASE 4 : PLANNING |

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

Engineering Designer  
**CIROD**  
 TYPISA

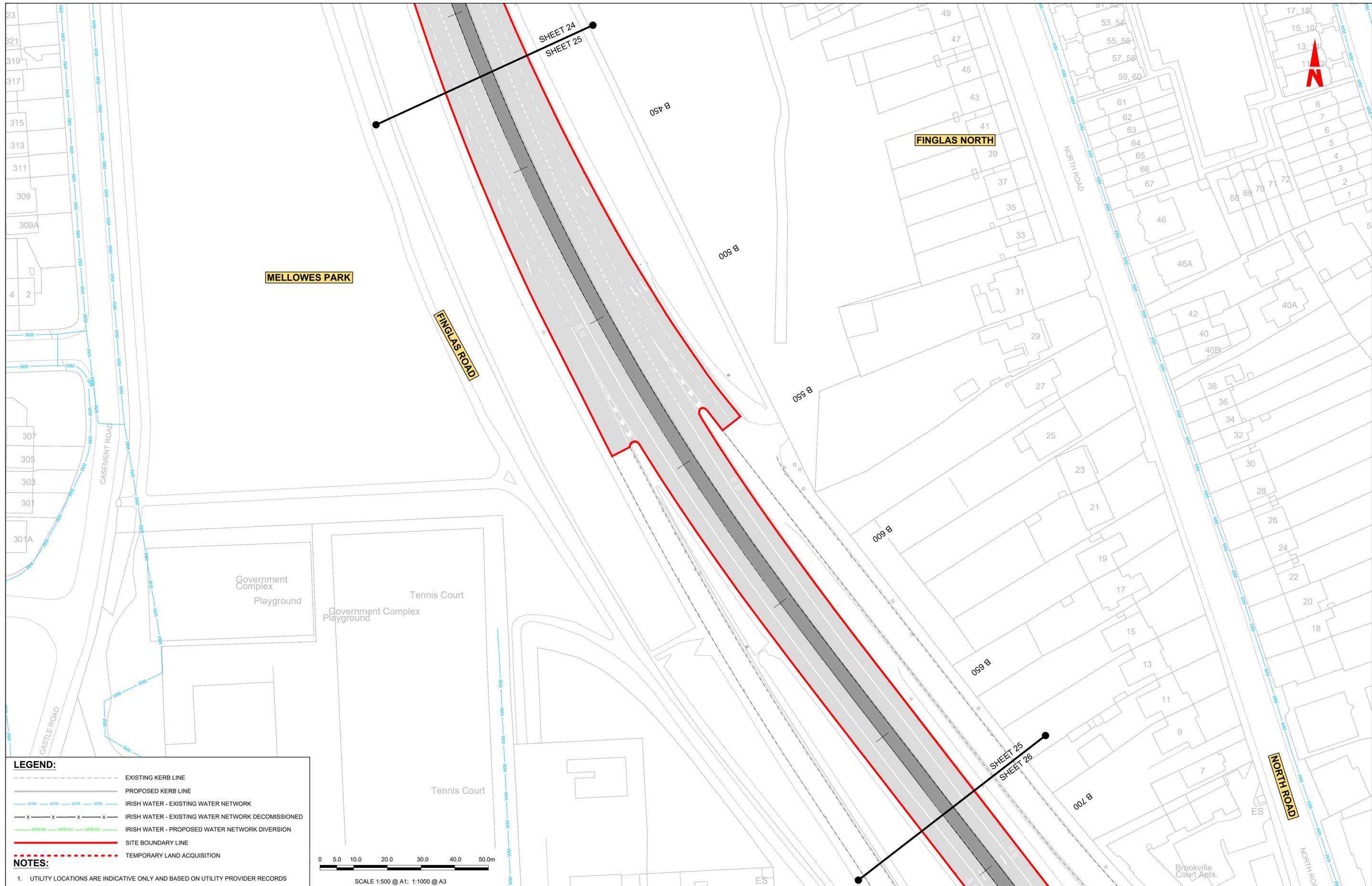
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|----------------|---------------------------|----------|---------|----------|
| Date           | Scale                     | Drawn    | Checked | Approved |
| 13/05/2022     | 1:500 @ A1<br>1:1000 @ A3 | DS       | EE      | SMG      |
| Programme Code | Originator Code           | QMS Code |         |          |
| BCIDD          | ROT                       |          |         |          |

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

Drawing Title  
 BALLYMUN / FINGLAS TO CITY CENTRE CORE BUS CORRIDOR SCHEME  
 IW WATER ASSET ALTERATION

|  |              |        |     |
|--|--------------|--------|-----|
| Drawing File Name                      | Sheet Number | Status | Rev |
| BCIDD-ROT-UTL_UW-0304_XX_00-DR-CU-0024 | 24 of 37     | A      | M01 |

W.I.P.



**LEGEND:**

- EXISTING KERB LINE
- PROPOSED KERB LINE
- IRISH WATER - EXISTING WATER NETWORK
- IRISH WATER - EXISTING WATER NETWORK DECOMMISSIONED
- IRISH WATER - PROPOSED WATER NETWORK DIVERSION
- SITE BOUNDARY LINE
- TEMPORARY LAND ACQUISITION

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| Rev | Date       | Drn | Chk'd | App'd | Description                  |
|-----|------------|-----|-------|-------|------------------------------|
| M01 | 13/05/2022 | DS  | EE    | SMG   | ISSUE FOR PHASE 4 : PLANNING |

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

Engineering Designer: **CIROD**  
TYPSA

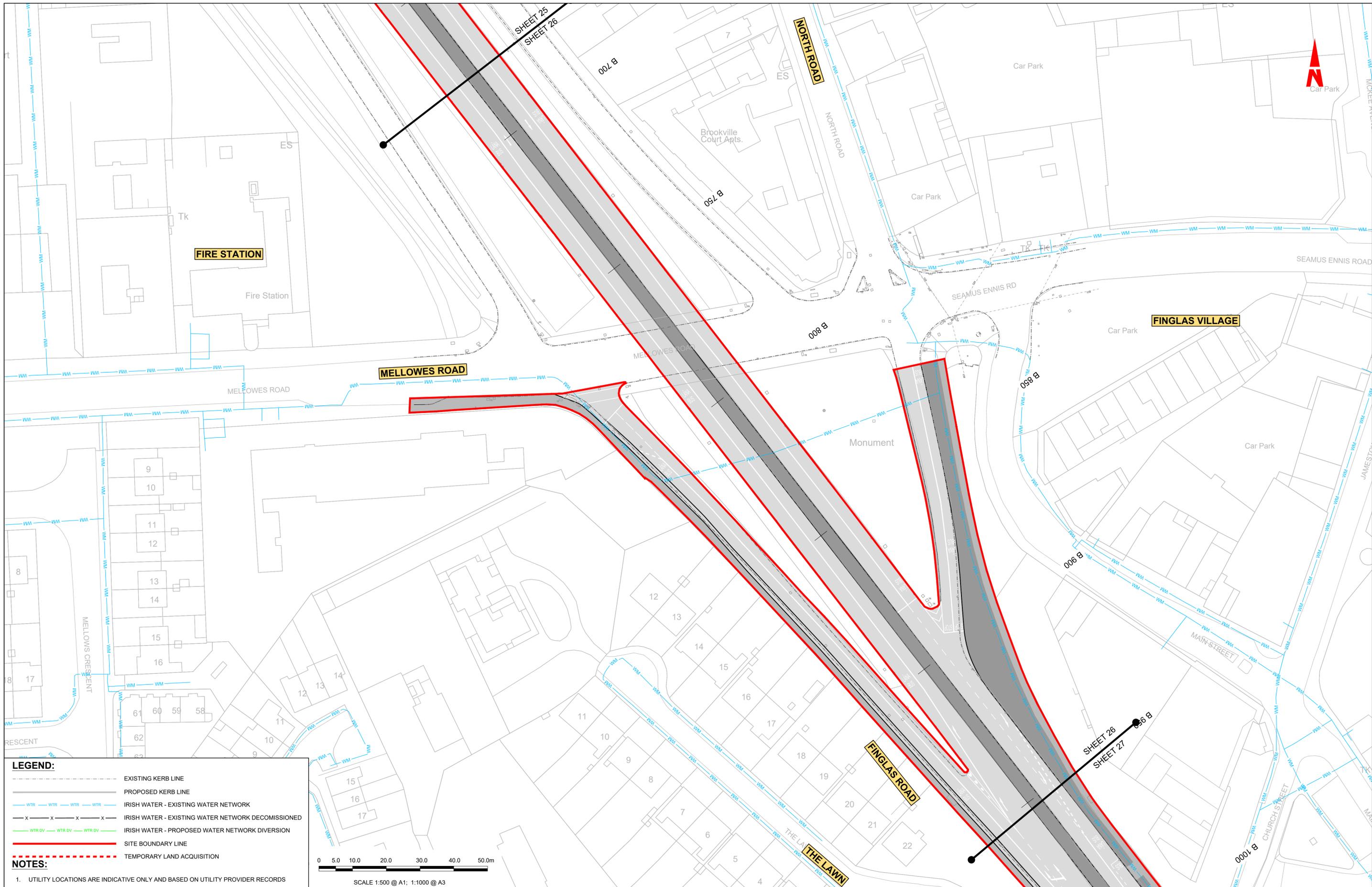
Date: 13/05/2022  
Scale: 1:500 @ A1  
1:1000 @ A3

Drawn: DS  
Checked: EE  
Approved: SMG

Programme Code: BCIDD  
Originator Code: ROT  
QMS Code:

|  |                          |             |            |
|--|--------------------------|-------------|------------|
| Programme Title<br><b>BUSCONNECTS DUBLIN<br/>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>                 |                          |             |            |
| Drawing Title<br>BALLYMUN / FINGLAS TO CITY CENTRE CORE BUS CORRIDOR SCHEME<br>IW WATER ASSET ALTERATION |                          |             |            |
| Drawing File Name<br>BCIDD-ROT-UTL_UW-0304_XX_00-DR-CU-0025  | Sheet Number<br>25 of 37 | Status<br>A | Rev<br>M01 |

W.I.P.

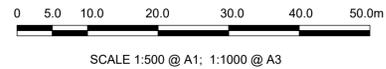


**LEGEND:**

- EXISTING KERB LINE
- PROPOSED KERB LINE
- IRISH WATER - EXISTING WATER NETWORK
- IRISH WATER - EXISTING WATER NETWORK DECOMMISSIONED
- IRISH WATER - PROPOSED WATER NETWORK DIVERSION
- SITE BOUNDARY LINE
- TEMPORARY LAND ACQUISITION

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| Rev | Date       | Drn | Chk'd | App'd | Description                  |
|-----|------------|-----|-------|-------|------------------------------|
| M01 | 13/05/2022 | DS  | EE    | SMG   | ISSUE FOR PHASE 4 : PLANNING |

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

Engineering Designer: **CIROD**  
TYPSA

Date: 13/05/2022  
Scale: 1:500 @ A1  
1:1000 @ A3

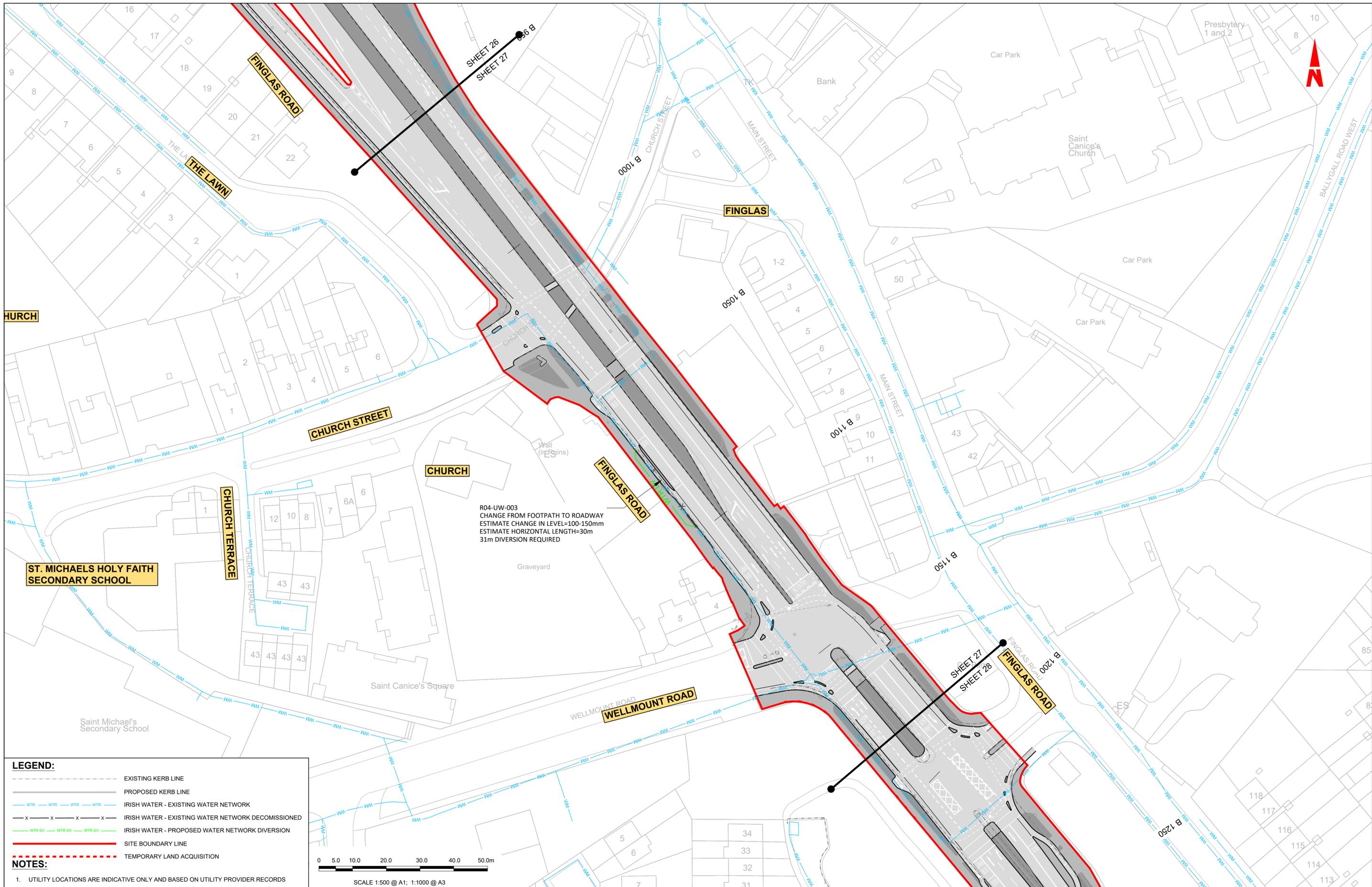
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Originator Code: ROT

Drawn: DS  
Checked: EE  
Approved: SMG

QMS Code

|  |                          |             |            |
|--|--------------------------|-------------|------------|
| Programme Title<br><b>BUSCONNECTS DUBLIN<br/>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>                 |                          |             |            |
| Drawing Title<br>BALLYMUN / FINGLAS TO CITY CENTRE CORE BUS CORRIDOR SCHEME<br>IW WATER ASSET ALTERATION |                          |             |            |
| Drawing File Name<br>BCIDD-ROT-UTL_UW-0304_XX_00-DR-CU-0026  | Sheet Number<br>26 of 37 | Status<br>A | Rev<br>M01 |

W.I.P.



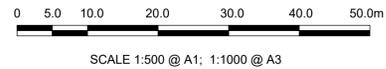
R04-UW-003  
 CHANGE FROM FOOTPATH TO ROADWAY  
 ESTIMATE CHANGE IN LEVEL=100-150mm  
 ESTIMATE HORIZONTAL LENGTH=30m  
 31m DIVERSION REQUIRED

**LEGEND:**

- EXISTING KERB LINE
- - - PROPOSED KERB LINE
- WTR WTR WTR WTR IRISH WATER - EXISTING WATER NETWORK
- x x x x IRISH WATER - EXISTING WATER NETWORK DECOMMISSIONED
- WTR DV WTR DV WTR DV IRISH WATER - PROPOSED WATER NETWORK DIVERSION
- SITE BOUNDARY LINE
- - - TEMPORARY LAND ACQUISITION

**NOTES:**

- UTILITY LOCATIONS ARE INDICATIVE ONLY AND BASED ON UTILITY PROVIDER RECORDS



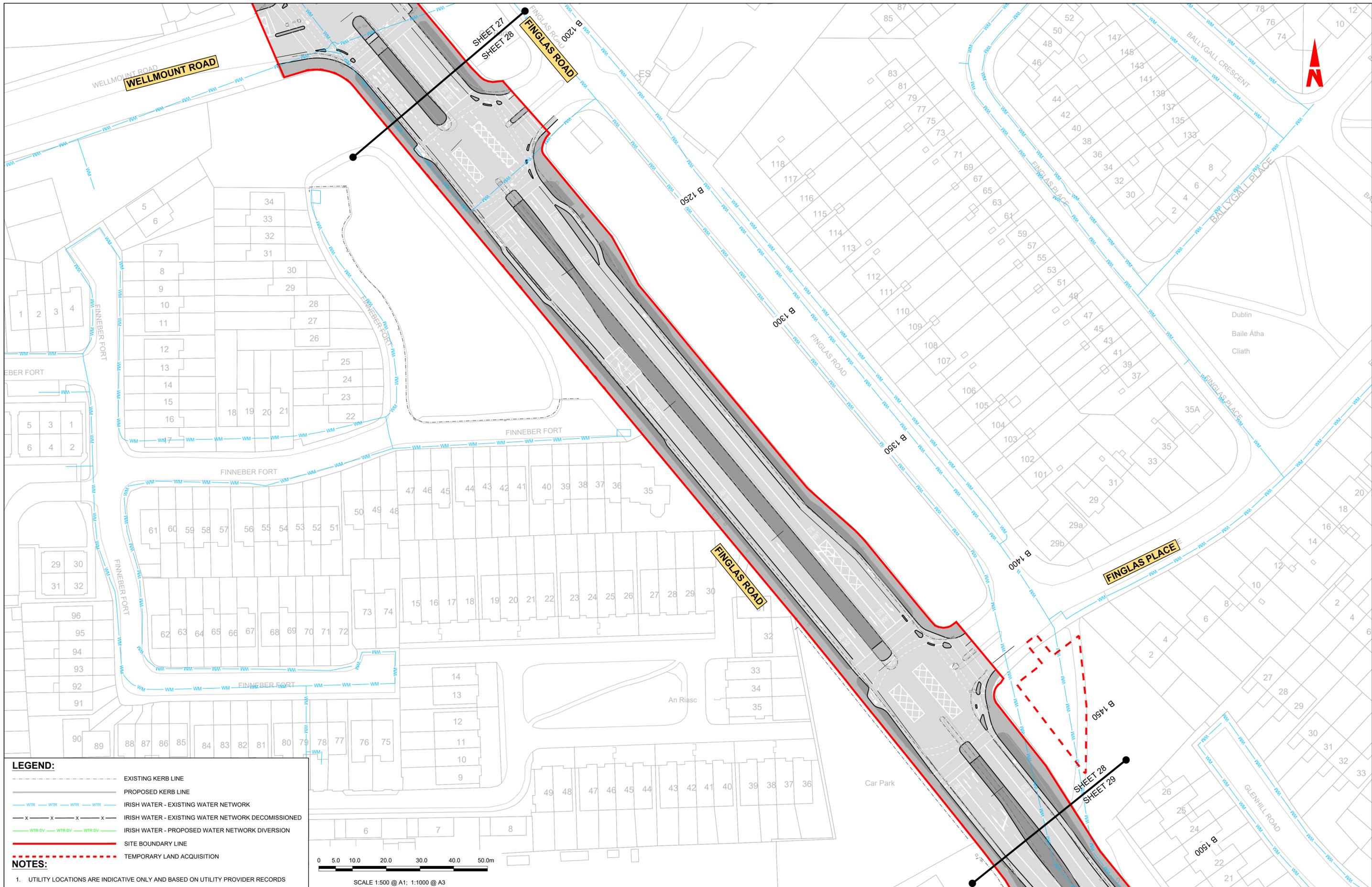
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| <p>Rev M01 Date 13/05/2022 Dm DS Chk'd EE App'd SMG Description ISSUE FOR PHASE 4 : PLANNING</p> |  | <p>Client <b>NTA</b><br/>         Údarás Náisiúnta Iompair<br/>         National Transport Authority</p> |  | <p>Engineering Designer <b>CIROD</b><br/>         TYPSA</p>   |  | <p>Programme Title <b>BUSCONNECTS DUBLIN</b><br/> <b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b></p> |  |                |  |
| <p>Date 13/05/2022 Scale 1:500 @ A1<br/>         1:1000 @ A3</p>                                 |  | <p>Drawn DS Checked EE Approved SMG</p>  |  | <p>Drawing Title <b>BALLYMUN / FINGLAS TO CITY CENTRE CORE BUS CORRIDOR SCHEME</b><br/>         IW WATER ASSET ALTERATION</p> |  |  |  |                |  |
| <p>Programme Code BCIDD Originator Code ROT QMS Code</p>   |  | <p>Drawing File Name BCIDD-ROT-UTL_UW-0304_XX_00-DR-CU-0027</p>  |  | <p>Sheet Number 27 of 37</p>  |  | <p>Status A</p>  |  | <p>Rev M01</p> |  |

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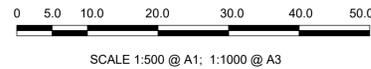


**LEGEND:**

- EXISTING KERB LINE
- PROPOSED KERB LINE
- IRISH WATER - EXISTING WATER NETWORK
- IRISH WATER - EXISTING WATER NETWORK DECOMMISSIONED
- IRISH WATER - PROPOSED WATER NETWORK DIVERSION
- SITE BOUNDARY LINE
- TEMPORARY LAND ACQUISITION

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| Rev | Date       | Drm | Chk'd | App'd | Description                  |
|-----|------------|-----|-------|-------|------------------------------|
| M01 | 13/05/2022 | DS  | EE    | SMG   | ISSUE FOR PHASE 4 : PLANNING |

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

Engineering Designer: **CIROD**  
TYPSA

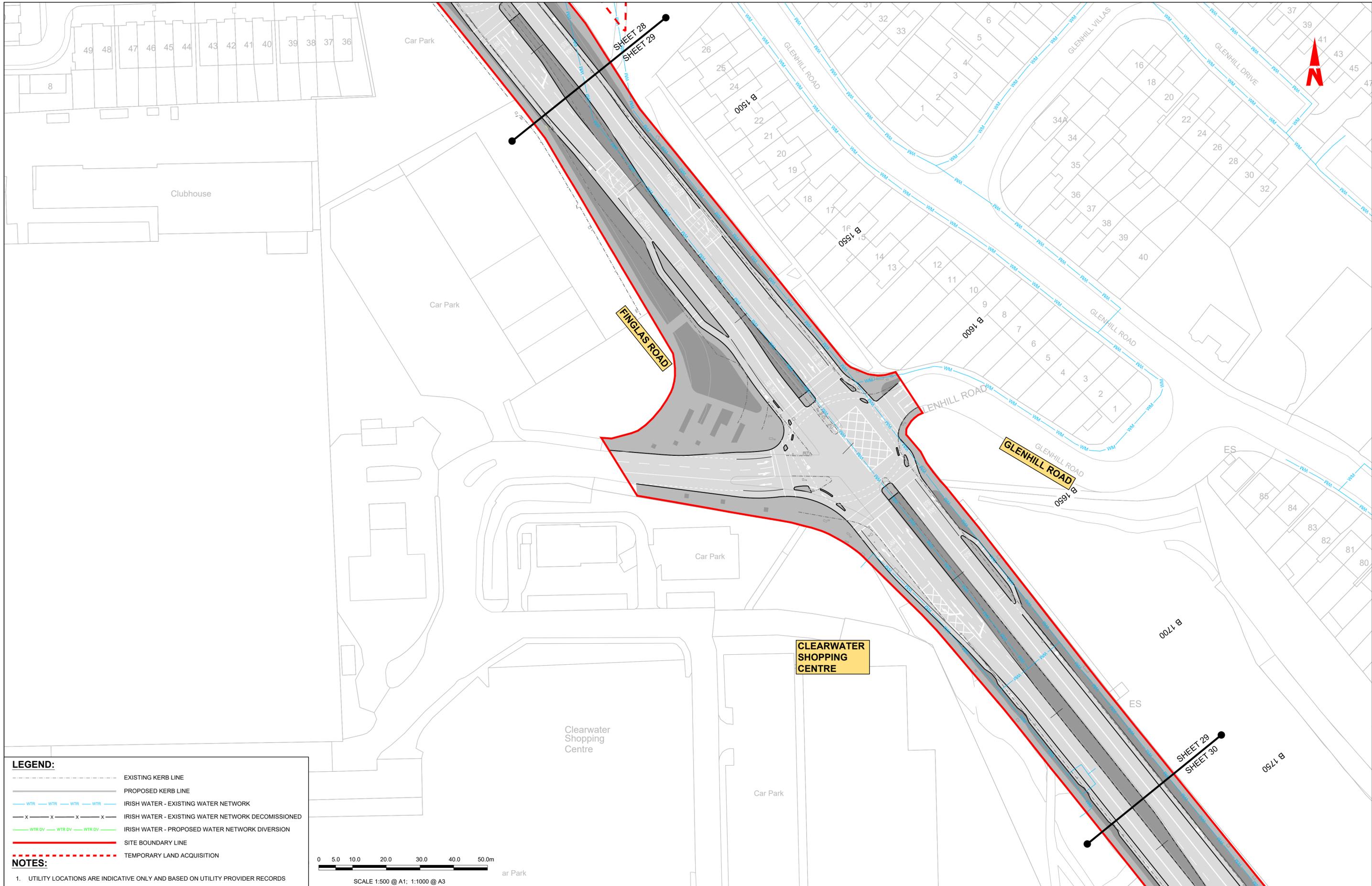
Date: 13/05/2022  
Scale: 1:500 @ A1  
1:1000 @ A3

Drawn: DS  
Checked: EE  
Approved: SMG

Programme Code: BCIDD  
Originator Code: ROT  
QMS Code:

|  |                        |           |          |
|--|------------------------|-----------|----------|
| Programme Title: <b>BUSCONNECTS DUBLIN<br/>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>                         |                        |           |          |
| Drawing Title: <b>BALLYMUN / FINGLAS TO CITY CENTRE CORE BUS CORRIDOR SCHEME<br/>IW WATER ASSET ALTERATION</b> |                        |           |          |
| Drawing File Name: BCIDD-ROT-UTL_UW-0304_XX_00-DR-CU-0028  | Sheet Number: 28 of 37 | Status: A | Rev: M01 |

W.I.P.

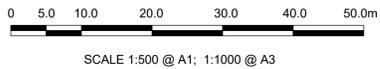


**LEGEND:**

- EXISTING KERB LINE
- PROPOSED KERB LINE
- IRISH WATER - EXISTING WATER NETWORK
- IRISH WATER - EXISTING WATER NETWORK DECOMMISSIONED
- IRISH WATER - PROPOSED WATER NETWORK DIVERSION
- SITE BOUNDARY LINE
- TEMPORARY LAND ACQUISITION

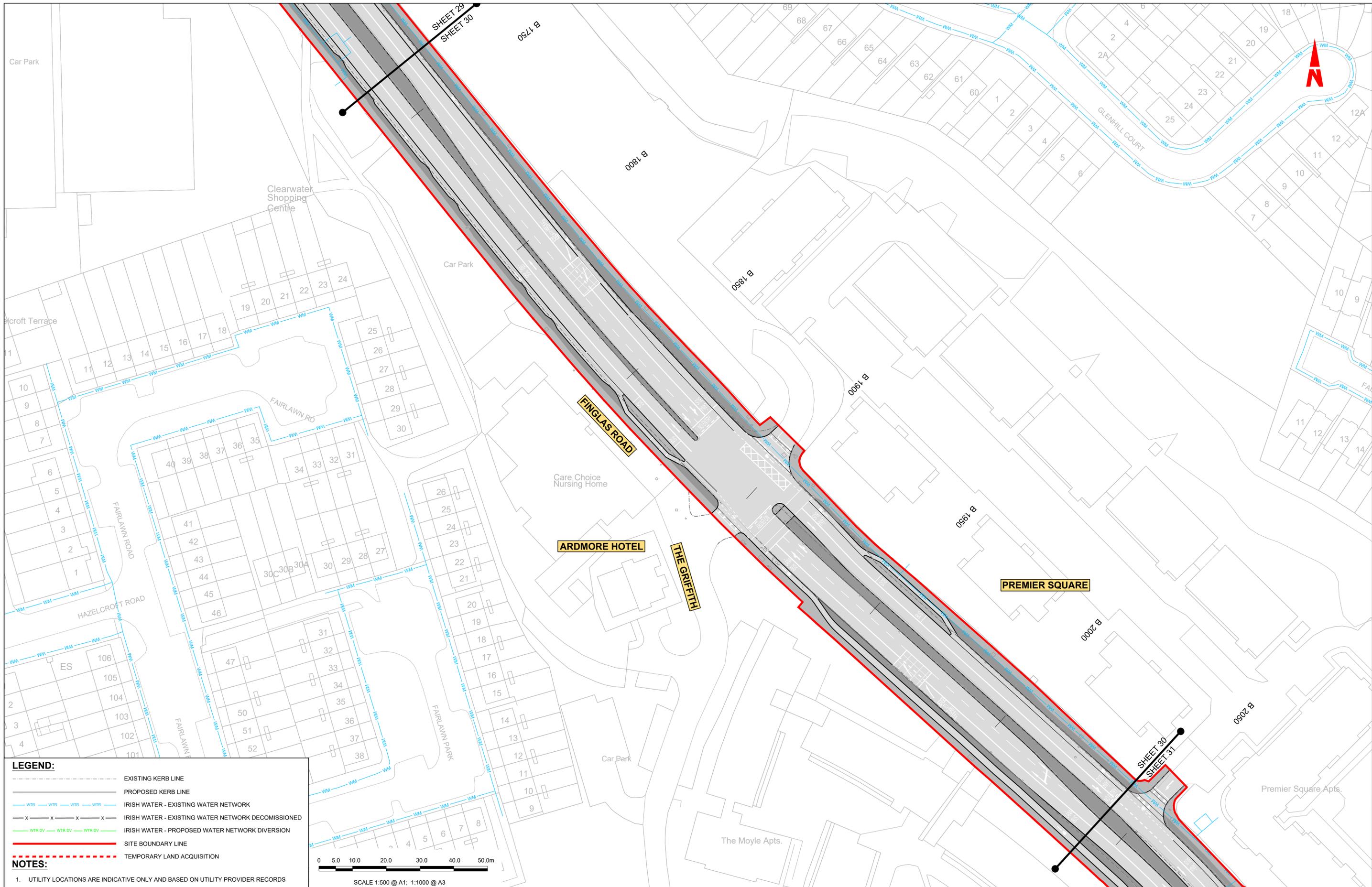
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|---|------------|-----|-------|--|---|------|-----|-------|-------|-------------|-----|------------|----|----|-----|------------------------------|---------------|-----------------------------|---|
| Rev   | Date       | Dwn | Chk'd | App'd  | Description   |      |     |       |       |             |     |            |    |    |     |                              |               |                             |   |
| M01   | 13/05/2022 | DS  | EE    | SMG  | ISSUE FOR PHASE 4 : PLANNING  |      |     |       |       |             |     |            |    |    |     |                              |               |                             |   |
| <p>Date: 13/05/2022</p> <p>Scale: 1:500 @ A1, 1:1000 @ A3</p> <p>Programme Code: BCIDD</p> <p>Originator Code: ROT</p>  |            |     |       | <p>Drawn: DS</p> <p>Checked: EE</p> <p>Approved: SMG</p> <p>QMS Code:</p>  | <p>Drawing File Name: BCIDD-ROT-UTL_UW-0304_XX_00-DR-CU-0029</p> <p>Sheet Number: 29 of 37</p> <p>Status: A</p> <p>Rev: M01</p> |      |     |       |       |             |     |            |    |    |     |                              |               |                             |   |

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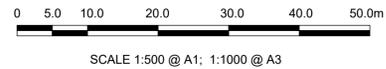


**LEGEND:**

- EXISTING KERB LINE
- - - PROPOSED KERB LINE
- WTR --- WTR --- WTR --- WTR --- IRISH WATER - EXISTING WATER NETWORK
- x - x - x - x - IRISH WATER - EXISTING WATER NETWORK DECOMMISSIONED
- WTR DV --- WTR DV --- WTR DV --- IRISH WATER - PROPOSED WATER NETWORK DIVERSION
- SITE BOUNDARY LINE
- - - - - TEMPORARY LAND ACQUISITION

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| Rev | Date       | Drn | Chk'd | App'd | Description                  |
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| M01 | 13/05/2022 | DS  | EE    | SMG   | ISSUE FOR PHASE 4 : PLANNING |

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

Engineering Designer: **CIROD**  
TYPSA

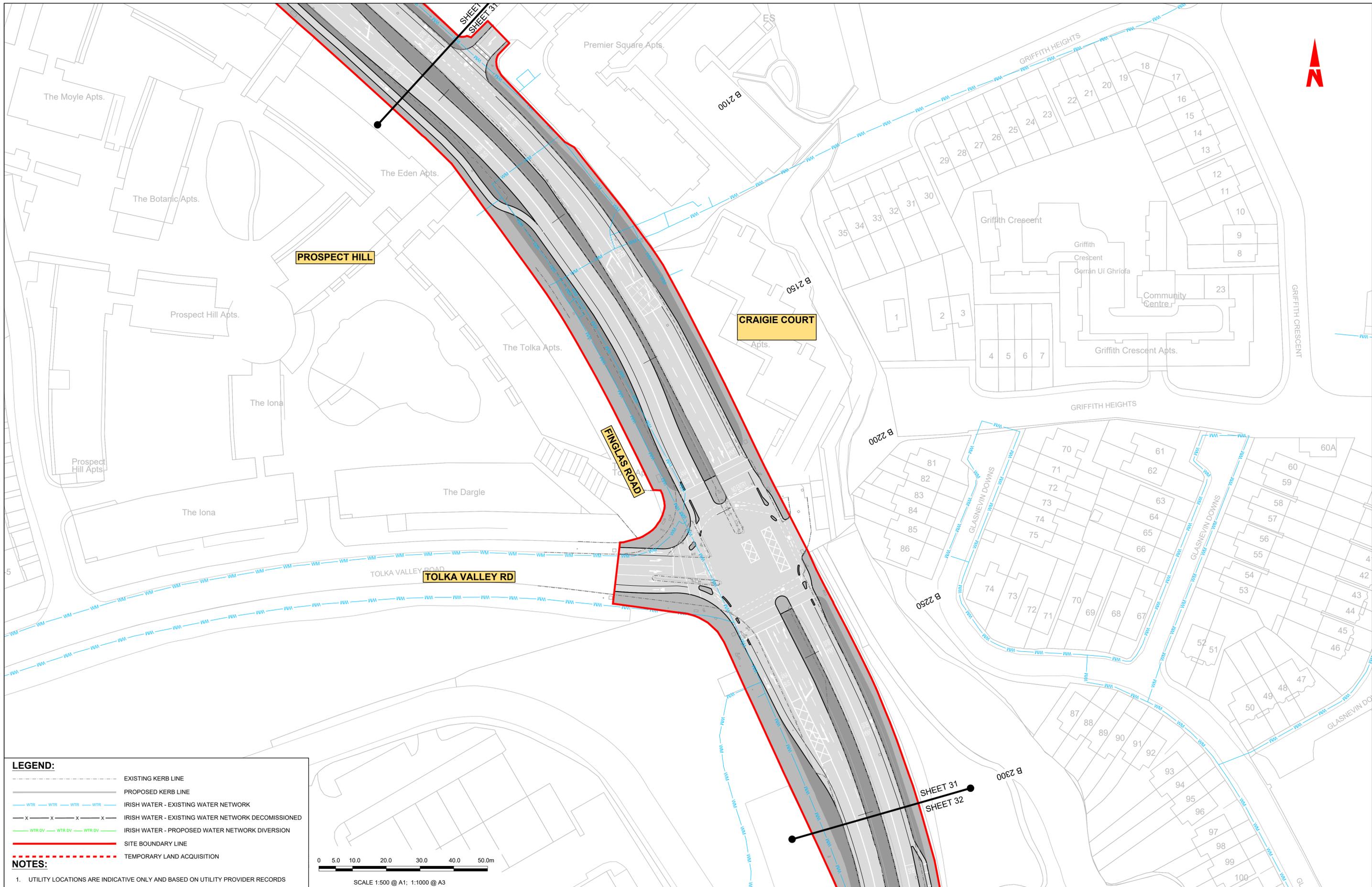
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Scale: 1:500 @ A1  
1:1000 @ A3

Drawn: DS  
Checked: EE  
Approved: SMG

Programme Code: BCIDD  
Originator Code: ROT  
QMS Code:

|  |                          |             |            |
|--|--------------------------|-------------|------------|
| Programme Title<br><b>BUSCONNECTS DUBLIN<br/>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>                 |                          |             |            |
| Drawing Title<br>BALLYMUN / FINGLAS TO CITY CENTRE CORE BUS CORRIDOR SCHEME<br>IW WATER ASSET ALTERATION |                          |             |            |
| Drawing File Name<br>BCIDD-ROT-UTL_UW-0304_XX_00-DR-CU-0030  | Sheet Number<br>30 of 37 | Status<br>A | Rev<br>M01 |

W.I.P.

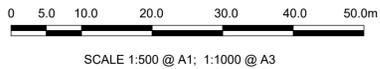


**LEGEND:**

- EXISTING KERB LINE
- - - PROPOSED KERB LINE
- WTR WTR WTR WTR IRISH WATER - EXISTING WATER NETWORK
- x x x x IRISH WATER - EXISTING WATER NETWORK DECOMMISSIONED
- WTR DV WTR DV WTR DV IRISH WATER - PROPOSED WATER NETWORK DIVERSION
- SITE BOUNDARY LINE
- - - - - TEMPORARY LAND ACQUISITION

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| M01 | 13/05/2022 | DS  | EE    | SMG   | ISSUE FOR PHASE 4 : PLANNING |

Client

**NTA**  
Údarás Náisiúnta Iompair  
National Transport Authority

Engineering Designer

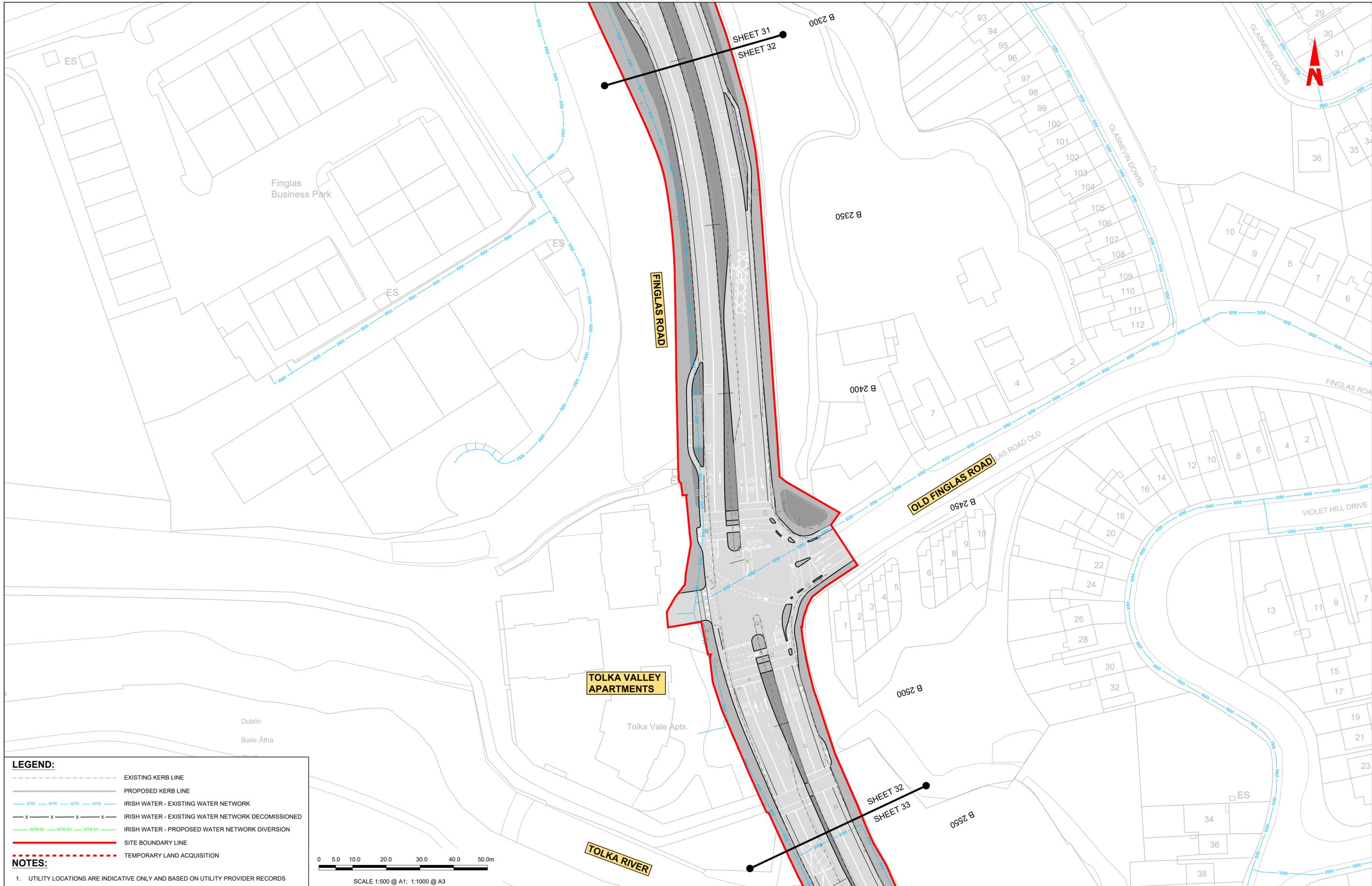
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| Drawn | Checked | Approved |
| DS    | EE      | SMG      |

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

Drawing Title  
BALLYMUN / FINGLAS TO CITY CENTRE CORE BUS CORRIDOR SCHEME  
IW WATER ASSET ALTERATION

|  |              |        |     |
|--|--------------|--------|-----|
| Drawing File Name                      | Sheet Number | Status | Rev |
| BCIDD-ROT-UTL_UW-0304_XX_00-DR-CU-0031 | 31 of 37     | A      | M01 |

W.I.P.

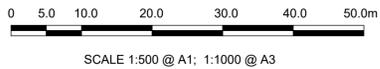


**LEGEND:**

- - - - - EXISTING KERB LINE
- — — — PROPOSED KERB LINE
- WTR — WTR — WTR — WTR — IRISH WATER - EXISTING WATER NETWORK
- x - x - x - x - IRISH WATER - EXISTING WATER NETWORK DECOMMISSIONED
- WTR DV — WTR DV — WTR DV — IRISH WATER - PROPOSED WATER NETWORK DIVERSION
- — — — SITE BOUNDARY LINE
- - - - - TEMPORARY LAND ACQUISITION

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| M01 | 13/05/2022 | DS  | EE    | SMG   | ISSUE FOR PHASE 4 : PLANNING |

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

Date: 13/05/2022 Scale: 1:500 @ A1  
1:1000 @ A3

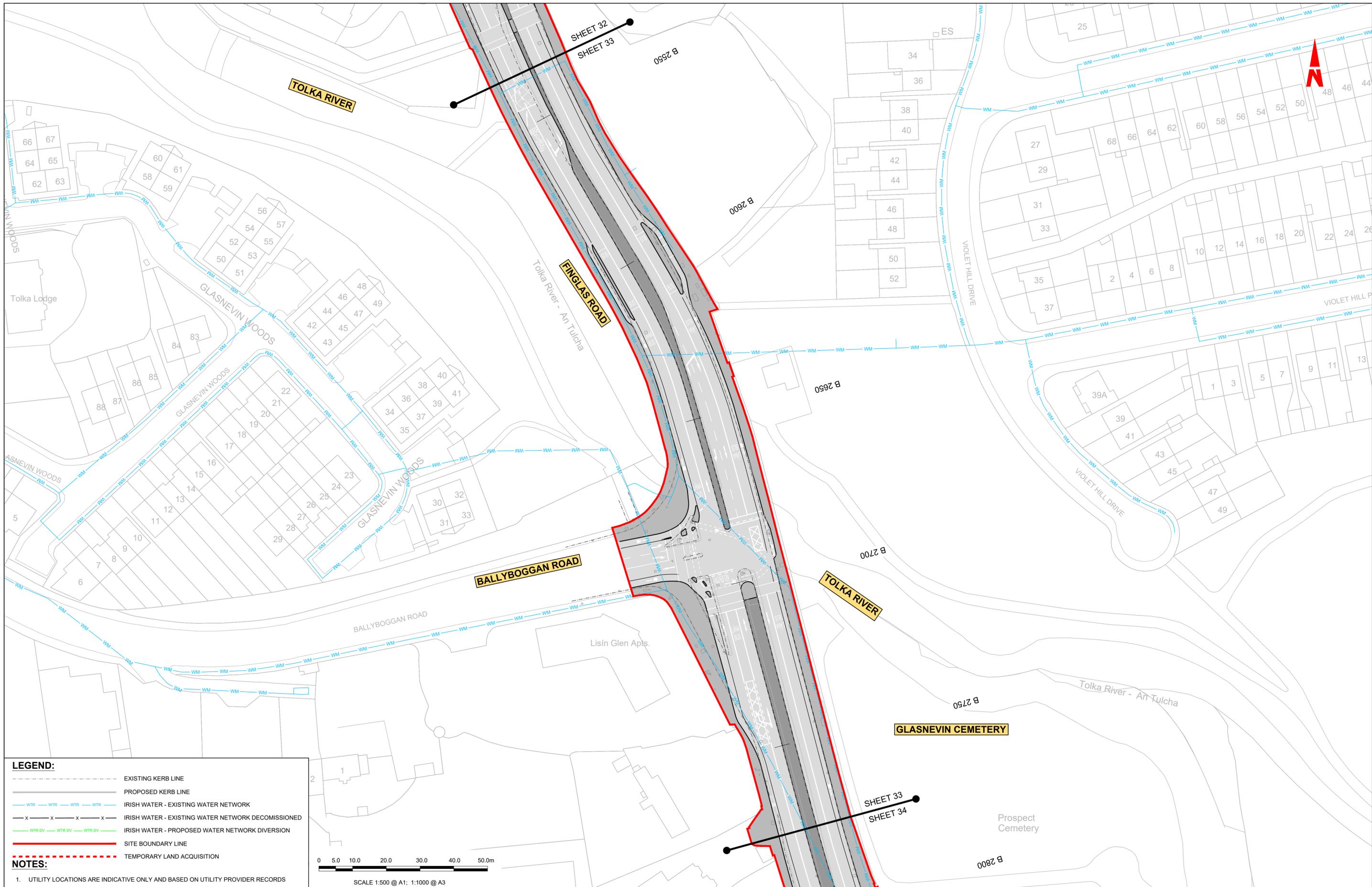
Engineering Designer: **CIROD** (TYPSA)

Drawn: DS Checked: EE Approved: SMG

Programme Code: BCIDD Originator Code: ROT QMS Code:

|  |                        |           |          |
|--|------------------------|-----------|----------|
| Programme Title: <b>BUSCONNECTS DUBLIN<br/>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>                         |                        |           |          |
| Drawing Title: <b>BALLYMUN / FINGLAS TO CITY CENTRE CORE BUS CORRIDOR SCHEME<br/>IW WATER ASSET ALTERATION</b> |                        |           |          |
| Drawing File Name: BCIDD-ROT-UTL_UW-0304_XX_00-DR-CU-0032  | Sheet Number: 32 of 37 | Status: A | Rev: M01 |

W.I.P.

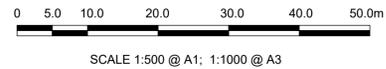


**LEGEND:**

- EXISTING KERB LINE
- PROPOSED KERB LINE
- IRISH WATER - EXISTING WATER NETWORK
- IRISH WATER - EXISTING WATER NETWORK DECOMMISSIONED
- IRISH WATER - PROPOSED WATER NETWORK DIVERSION
- SITE BOUNDARY LINE
- TEMPORARY LAND ACQUISITION

**NOTES:**

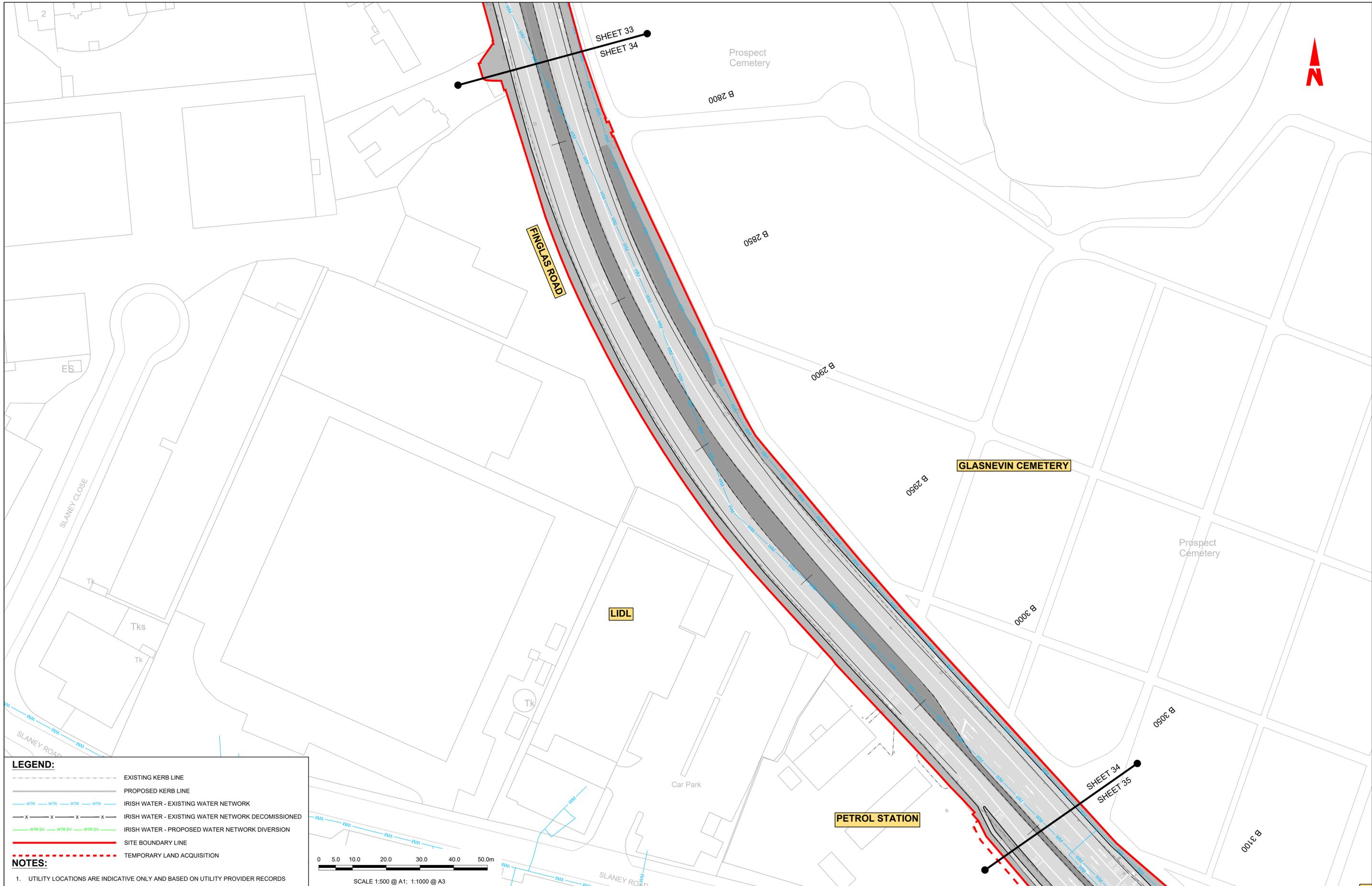
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|---|------------|-----|-------|--|------------------------------|---|-----|-------|-------|-------------|-----|------------|----|----|-----|------------------------------|---------------|-----------------------------|--|
| Rev   | Date       | Drn | Chk'd | App'd  | Description                  |   |     |       |       |             |     |            |    |    |     |                              |               |                             |  |
| M01   | 13/05/2022 | DS  | EE    | SMG  | ISSUE FOR PHASE 4 : PLANNING |   |     |       |       |             |     |            |    |    |     |                              |               |                             |  |
| <p>Date: 13/05/2022   Scale: 1:500 @ A1, 1:1000 @ A3</p> <p>Programme Code: BCIDD   Originator Code: ROT   QMS Code: DS</p> <p>Drawn: DS   Checked: EE   Approved: SMG</p>  |            |     |       |  |                              | <p>Drawing Title</p> <p>BALLYMUN / INGLAS TO CITY CENTRE CORE BUS CORRIDOR SCHEME<br/>IW WATER ASSET ALTERATION</p> |     |       |       |             |     |            |    |    |     |                              |               |                             |  |
| <p>Drawing File Name: BCIDD-ROT-UTL_UW-0304_XX_00-DR-CU-0033</p>  |            |     |       |  |                              | <p>Sheet Number: 33 of 37</p> <p>Status: A</p> <p>Rev: M01</p>  |     |       |       |             |     |            |    |    |     |                              |               |                             |  |

W.I.P.

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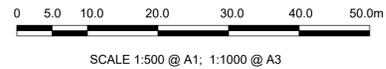


**LEGEND:**

- EXISTING KERB LINE
- PROPOSED KERB LINE
- IRISH WATER - EXISTING WATER NETWORK
- IRISH WATER - EXISTING WATER NETWORK DECOMMISSIONED
- IRISH WATER - PROPOSED WATER NETWORK DIVERSION
- SITE BOUNDARY LINE
- TEMPORARY LAND ACQUISITION

**NOTES:**

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| Rev | Date       | Drm | Chk'd | App'd | Description                  |
|-----|------------|-----|-------|-------|------------------------------|
| M01 | 13/05/2022 | DS  | EE    | SMG   | ISSUE FOR PHASE 4 : PLANNING |

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

Engineering Designer: **CIROD**  
 TYPSA

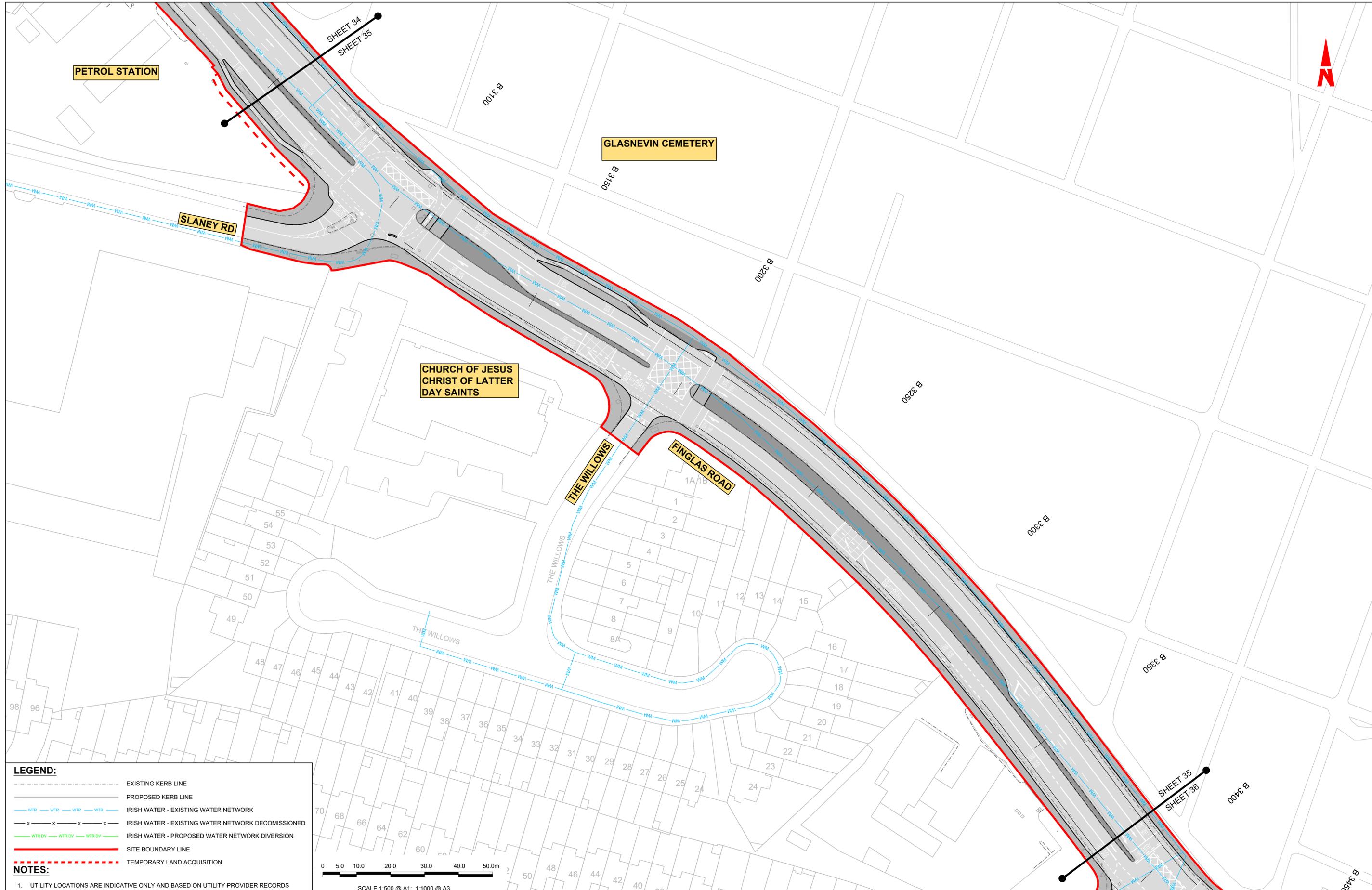
Date: 13/05/2022  
 Scale: 1:500 @ A1, 1:1000 @ A3

Drawn: DS  
 Checked: EE  
 Approved: SMG

Programme Code: BCIDD  
 Originator Code: ROT  
 QMS Code:

|  |                        |           |          |
|--|------------------------|-----------|----------|
| Programme Title: <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>                         |                        |           |          |
| Drawing Title: <b>BALLYMUN / FINGLAS TO CITY CENTRE CORE BUS CORRIDOR SCHEME IW WATER ASSET ALTERATION</b> |                        |           |          |
| Drawing File Name: BCIDD-ROT-UTL_UW-0304_XX_00-DR-CU-0034  | Sheet Number: 34 of 37 | Status: A | Rev: M01 |

W.I.P.



**LEGEND:**

- EXISTING KERB LINE
- - - PROPOSED KERB LINE
- IRISH WATER - EXISTING WATER NETWORK
- x-x-x-x- IRISH WATER - EXISTING WATER NETWORK DECOMMISSIONED
- IRISH WATER - PROPOSED WATER NETWORK DIVERSION
- SITE BOUNDARY LINE
- - - - - TEMPORARY LAND ACQUISITION

**NOTES:**

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| Rev | Date       | Drm | Chk'd | App'd | Description                  |
|-----|------------|-----|-------|-------|------------------------------|
| M01 | 13/05/2022 | DS  | EE    | SMG   | ISSUE FOR PHASE 4 : PLANNING |

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

Engineering Designer  
**CIROD**  
 TYPSA

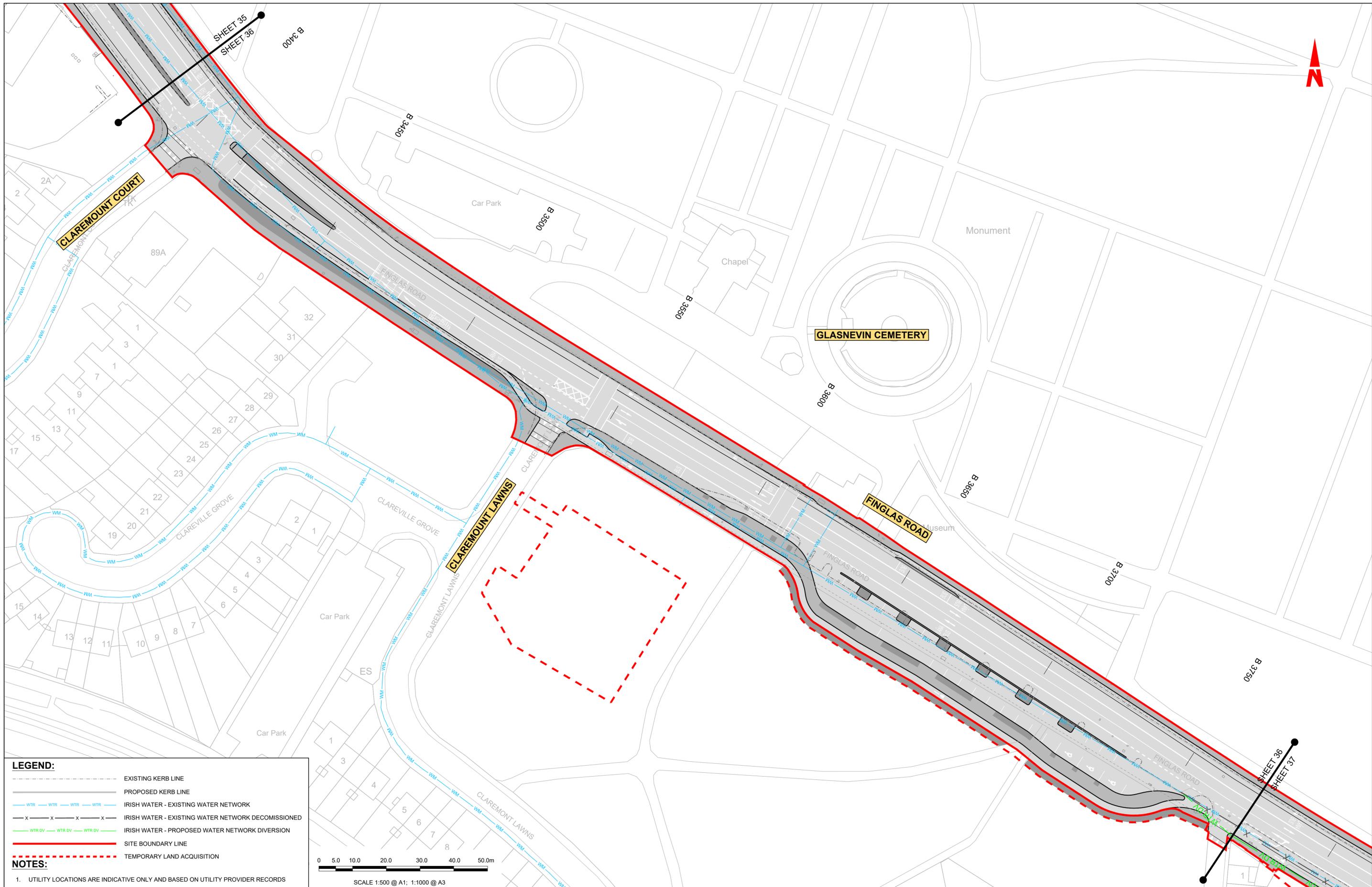
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|----------------|---------------------------|----------|---------|----------|
| Date           | Scale                     | Drawn    | Checked | Approved |
| 13/05/2022     | 1:500 @ A1<br>1:1000 @ A3 | DS       | EE      | SMG      |
| Programme Code | Originator Code           | QMS Code |         |          |
| BCIDD          | ROT                       |          |         |          |

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

Drawing Title  
 BALLYMUN / FINGLAS TO CITY CENTRE CORE BUS CORRIDOR SCHEME  
 IW WATER ASSET ALTERATION

|  |              |        |     |
|--|--------------|--------|-----|
| Drawing File Name                      | Sheet Number | Status | Rev |
| BCIDD-ROT-UTL_UW-0304_XX_00-DR-CU-0035 | 35 of 37     | A      | M01 |

W.I.P.

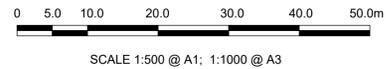


**LEGEND:**

- EXISTING KERB LINE
- PROPOSED KERB LINE
- IRISH WATER - EXISTING WATER NETWORK
- IRISH WATER - EXISTING WATER NETWORK DECOMMISSIONED
- IRISH WATER - PROPOSED WATER NETWORK DIVERSION
- SITE BOUNDARY LINE
- TEMPORARY LAND ACQUISITION

**NOTES:**

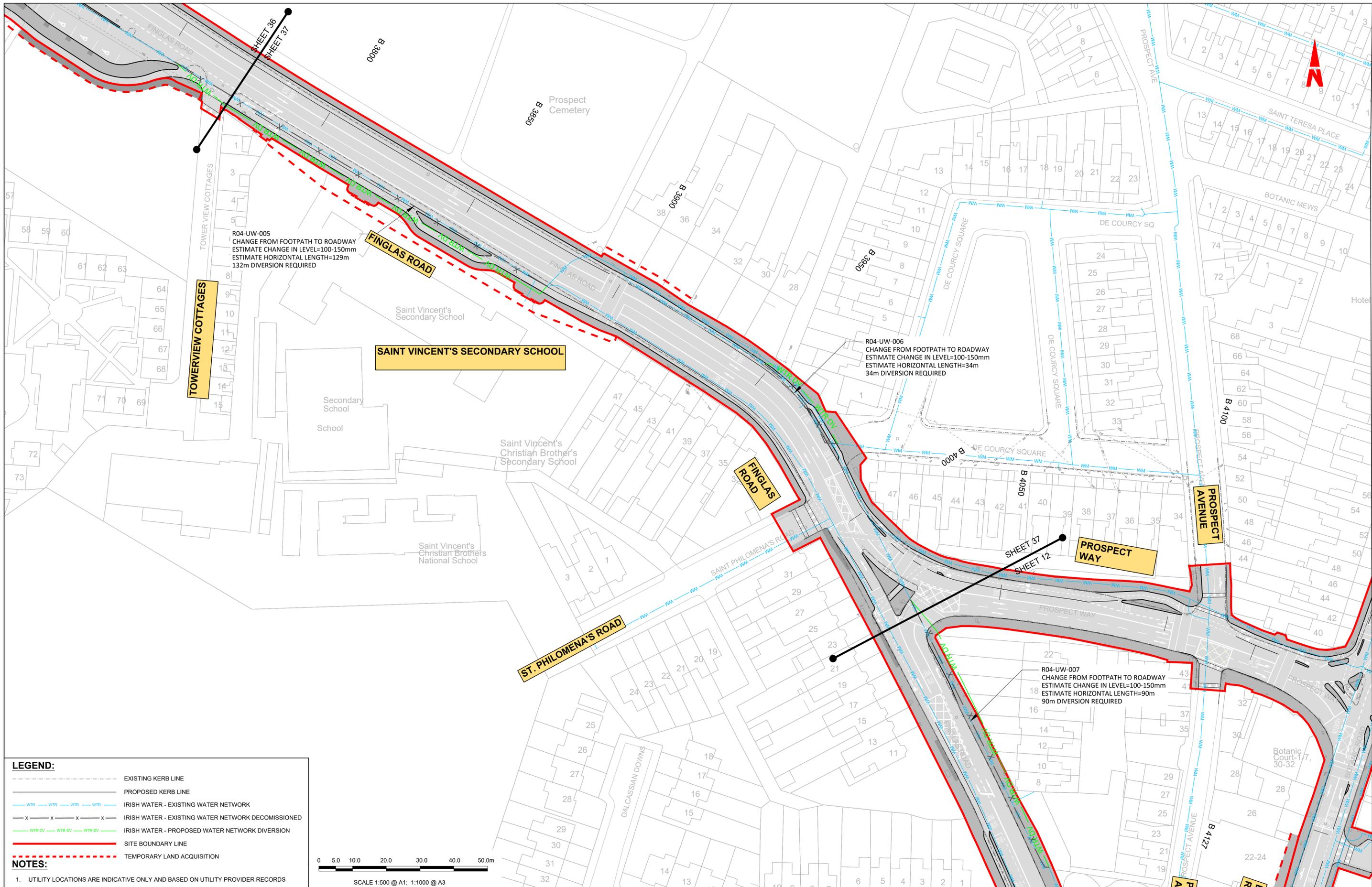
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|---|------------|--|-------|--|------------------------------|----------------------------|--|-------------------------------------|------------------------|-----------------------|-----|------------|----|----|-----|------------------------------|--|--|--|
| Rev   | Date       | Drn  | Chk'd | App'd  | Description                  |                            |  |                                     |                        |                       |     |            |    |    |     |                              |  |  |  |
| M01   | 13/05/2022 | DS   | EE    | SMG  | ISSUE FOR PHASE 4 : PLANNING |                            |  |                                     |                        |                       |     |            |    |    |     |                              |  |  |  |
| <p>Date</p> <p>13/05/2022</p>   |            | <p>Scale</p> <p>1:500 @ A1<br/>1:1000 @ A3</p> |       | <p>Drawn</p> <p>DS</p>   | <p>Checked</p> <p>EE</p>     | <p>Approved</p> <p>SMG</p> | <p>Drawing File Name</p> <p>BCIDD-ROT-UTL_UW-0304_XX_00-DR-CU-0036</p> | <p>Sheet Number</p> <p>36 of 37</p> | <p>Status</p> <p>A</p> | <p>Rev</p> <p>M01</p> |     |            |    |    |     |                              |  |  |  |

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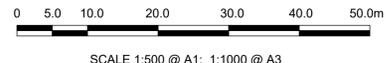


R04-UW-005  
CHANGE FROM FOOTPATH TO ROADWAY  
ESTIMATE CHANGE IN LEVEL=100-150mm  
ESTIMATE HORIZONTAL LENGTH=129m  
132m DIVERSION REQUIRED

R04-UW-006  
CHANGE FROM FOOTPATH TO ROADWAY  
ESTIMATE CHANGE IN LEVEL=100-150mm  
ESTIMATE HORIZONTAL LENGTH=34m  
34m DIVERSION REQUIRED

R04-UW-007  
CHANGE FROM FOOTPATH TO ROADWAY  
ESTIMATE CHANGE IN LEVEL=100-150mm  
ESTIMATE HORIZONTAL LENGTH=90m  
90m DIVERSION REQUIRED

- LEGEND:**
- EXISTING KERB LINE
  - PROPOSED KERB LINE
  - IRISH WATER - EXISTING WATER NETWORK
  - IRISH WATER - EXISTING WATER NETWORK DECOMMISSIONED
  - IRISH WATER - PROPOSED WATER NETWORK DIVERSION
  - SITE BOUNDARY LINE
  - TEMPORARY LAND ACQUISITION
- NOTES:**
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| Rev | Date       | Drm | Chk'd | App'd | Description                  |
|-----|------------|-----|-------|-------|------------------------------|
| M01 | 13/05/2022 | DS  | EE    | SMG   | ISSUE FOR PHASE 4 : PLANNING |

|  |                                    |   |               |                 |
|--|------------------------------------|---|---------------|-----------------|
| Client<br><b>NTA</b><br>Udarás Náisiúnta Iompair<br>National Transport Authority |                                    | Engineering Designer<br><b>CIROD</b><br>TYPSA |               |                 |
| Date<br>13/05/2022   | Scale<br>1:500 @ A1<br>1:1000 @ A3 | Drawn<br>DS                                   | Checked<br>EE | Approved<br>SMG |
| Programme Code<br>BCIDD  | Originator Code<br>ROT             | QMS Code                                      |               |                 |

|  |                          |             |            |
|--|--------------------------|-------------|------------|
| Programme Title<br><b>BUSCONNECTS DUBLIN</b><br>CORE BUS CORRIDORS INFRASTRUCTURE WORKS                  |                          |             |            |
| Drawing Title<br>BALLYMUN / FINGLAS TO CITY CENTRE CORE BUS CORRIDOR SCHEME<br>IW WATER ASSET ALTERATION |                          |             |            |
| Drawing File Name<br>BCIDD-ROT-UTL_UW-0304_XX_00-DR-CU-0037  | Sheet Number<br>37 of 37 | Status<br>A | Rev<br>M01 |

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