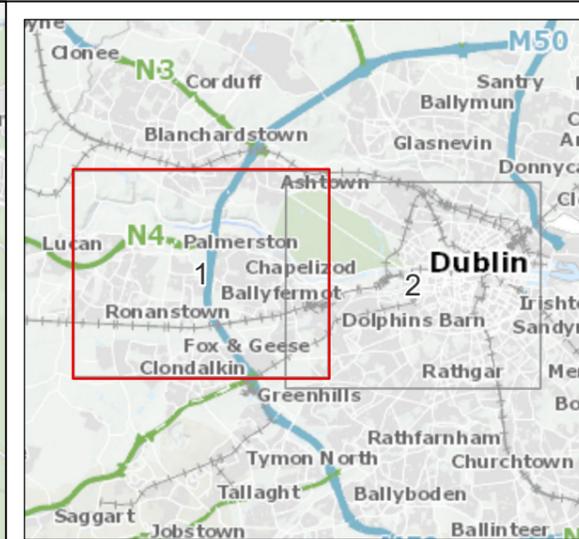
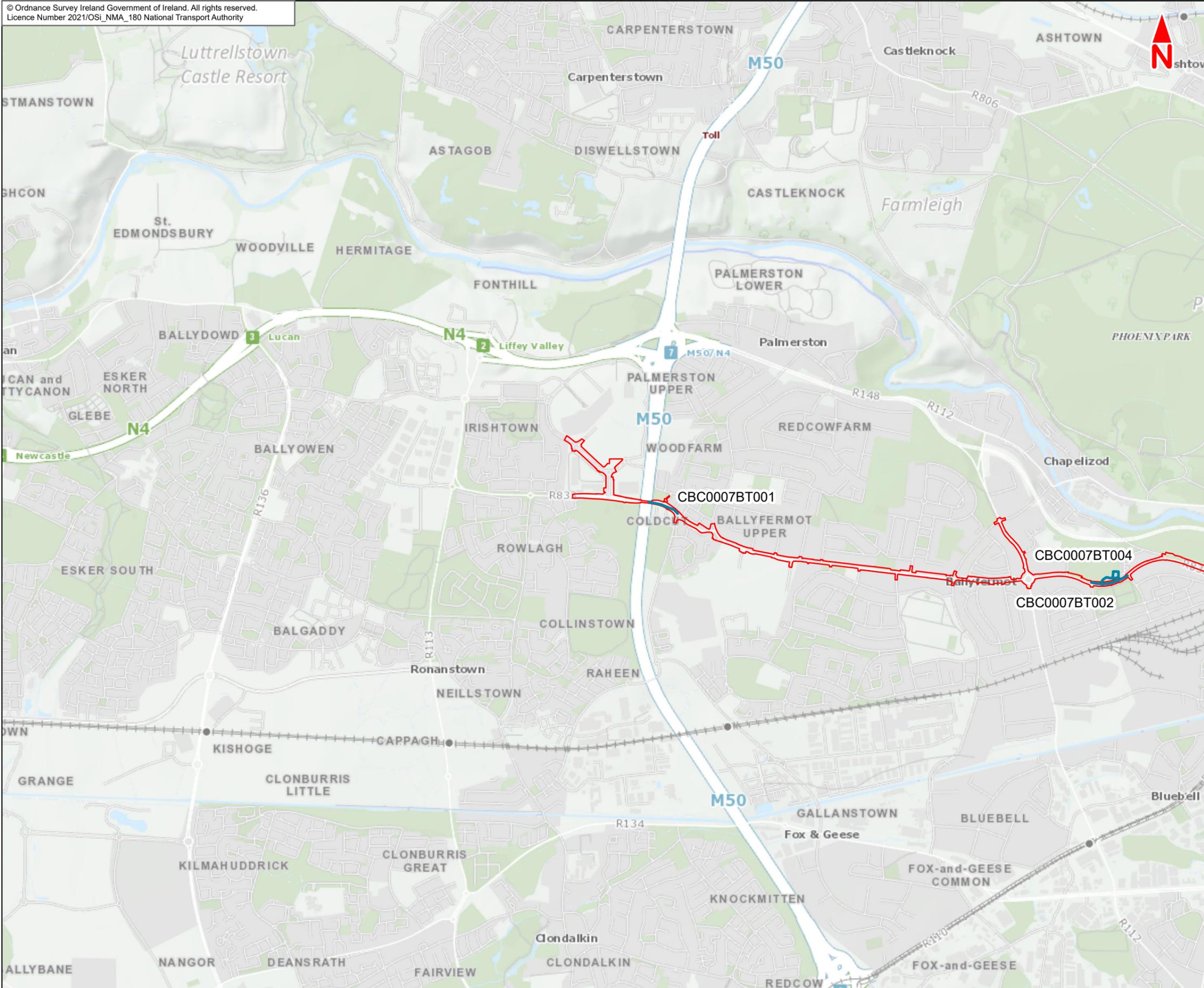




**12.1.1**  
Ecological Study Areas:  
Bat Activity Transect Routes



- Legend :**
- Liffey Valley to City Centre Core Bus Corridor Scheme
  - Bat Survey Transects

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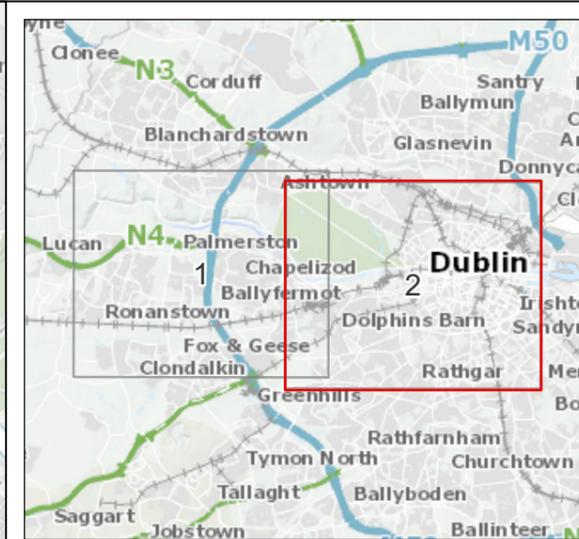
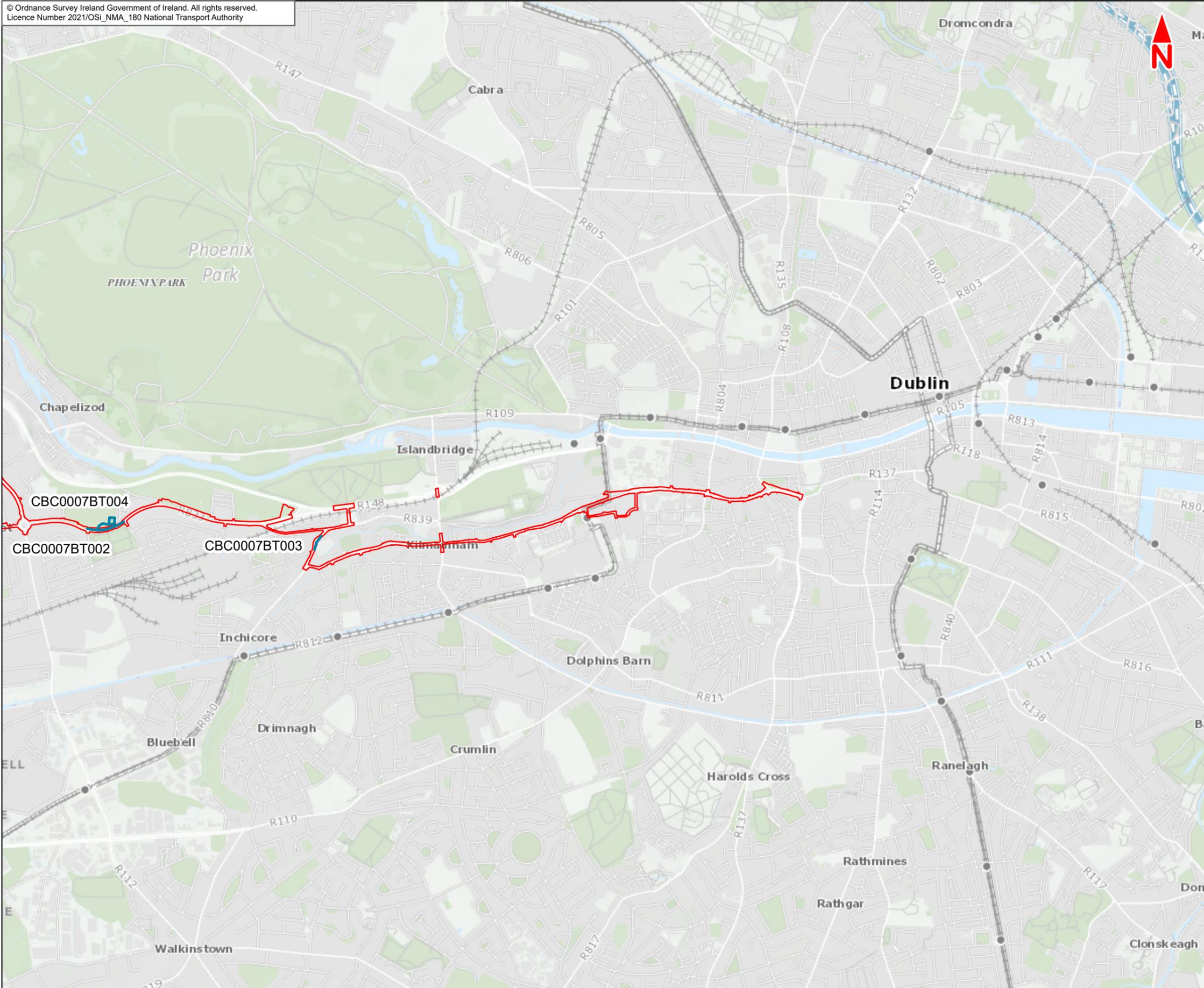
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Client <b>NTA</b> Udarás Náisiúnta Iompair National Transport Authority		Consultant <b>JACOBS</b> <b>ARUP SYSTRA</b>		
Date 5/25/2022	Scale @ A3 1:25 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

Programme Title <b>BUSCONNECTS DUBLIN</b> <b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Liffey Valley to City Centre Core Bus Corridor Scheme Figure 12.1.1 Ecological Study Areas: Bat Activity Transect Routes				
Drawing File Name BCIDE-JAC-ENV BD-007_XX_00-DR-GG-0101	Sheet Number 1 of 2	Status A	Rev M01	



- Legend :**
- Liffey Valley to City Centre Core Bus Corridor Scheme
  - Bat Survey Transects

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National Transport Authority

Consultant: **JACOBS ARUP SYSTRA**

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Project Code: BCIDE | Originator Code: JAC

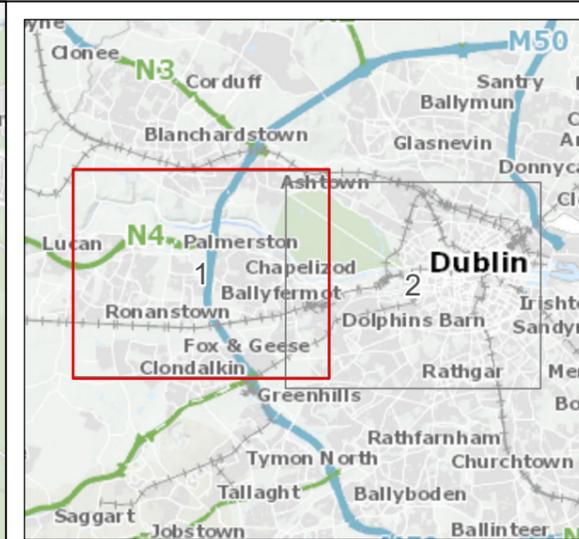
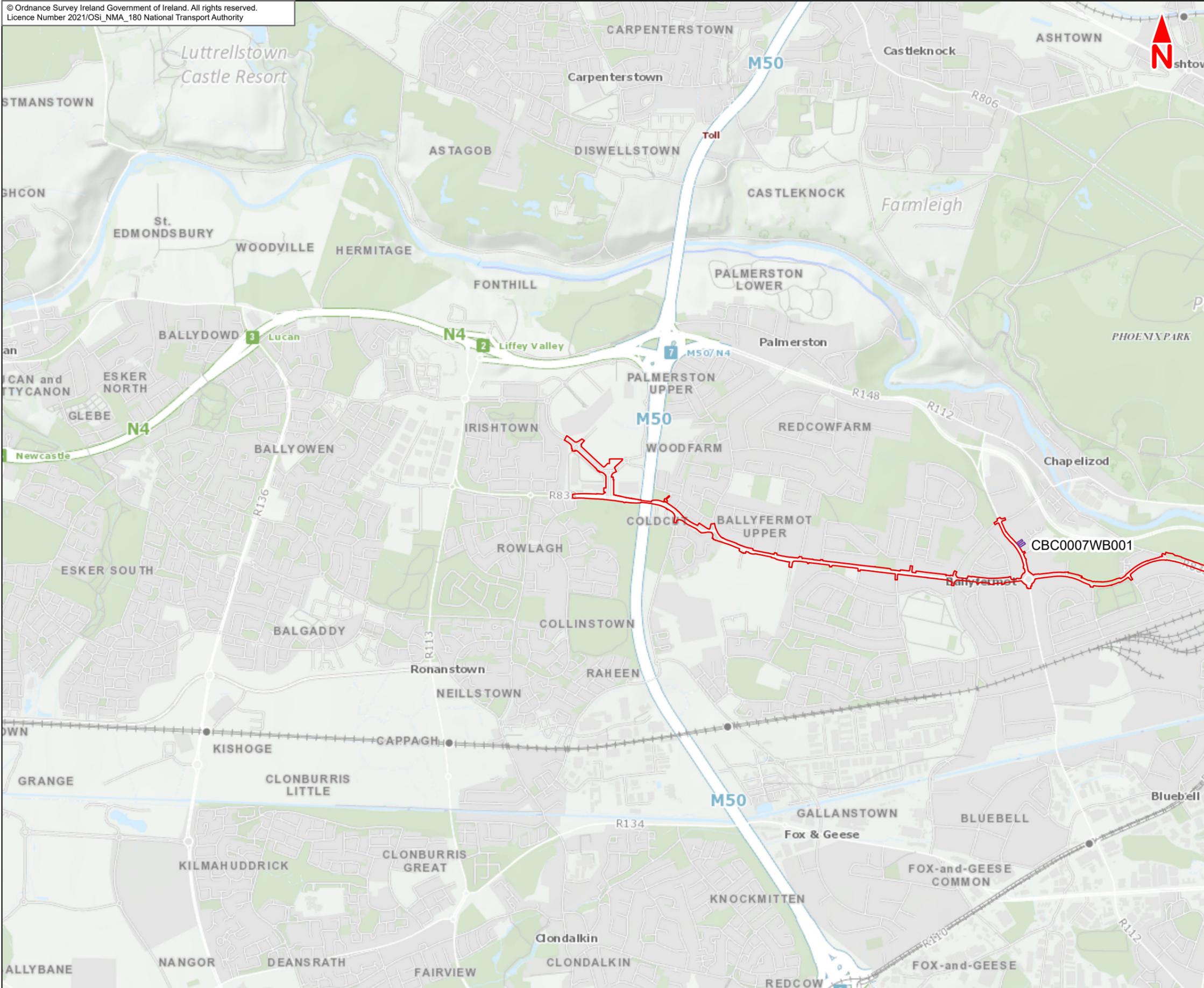
Drawn: EK | Checked: PW | Approved: DK

QMS Code: \_\_\_\_\_

Programme Title: <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title: Liffey Valley to City Centre Core Bus Corridor Scheme Figure 12.1.1 Ecological Study Areas: Bat Activity Transect Routes			
Drawing File Name: BCIDE-JAC-ENV BD-007 XX 00-DR-GG-0102	Sheet Number: 2 of 2	Status: A	Rev: M01



**12.1.2**  
Ecological Study Areas:  
Wintering Bird Survey Sites



- Legend :**
- Liffey Valley to City Centre Core Bus Corridor Scheme
  - Winter Bird Survey Transects

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National Transport Authority

Consultant: **JACOBS ARUP SYSTRA**

Date: 5/25/2022 | Scale @ A3: 1:25 000  
 Project Code: BCIDE | Originator Code: JAC

Drawn: EK | Checked: PW | Approved: DK

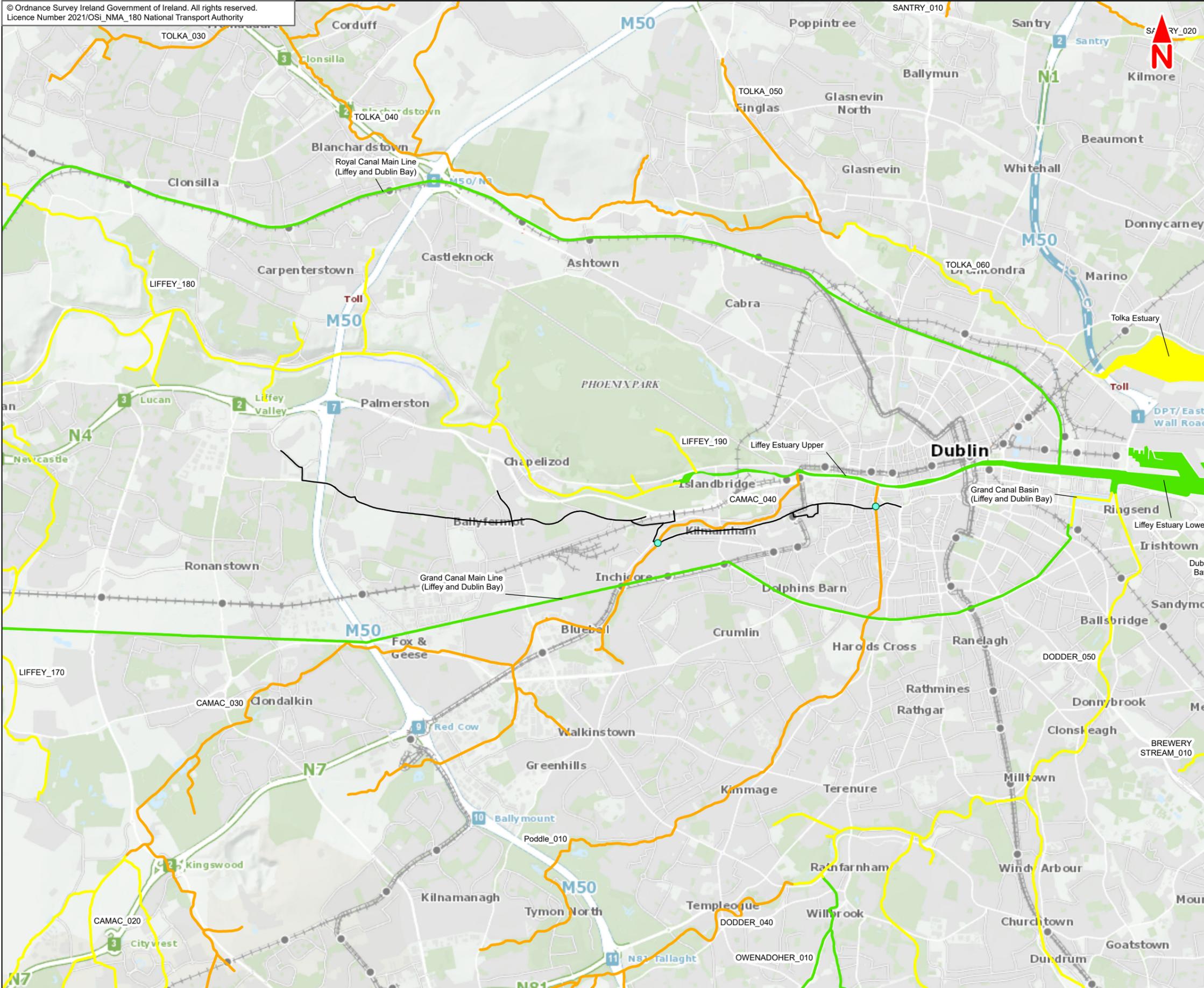
Programme Title: <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title: Liffey Valley to City Centre Core Bus Corridor Scheme Figure 12.1.2 Ecological Study Areas: Wintering Bird Survey Sites			
Drawing File Name: BCIDE-JAC-ENV BD-007_XX_00-DR-GG-0301	Sheet Number: 1 of 2	Status: A	Rev: M01



The background of the slide is a vibrant yellow. It is decorated with several abstract, organic shapes in shades of blue and green. These shapes are interconnected and feature white circular cutouts. The shapes are primarily located on the right side and bottom of the slide, creating a dynamic, modern aesthetic. The text is positioned on the left side of the slide, set against the plain yellow background.

## 12.2

### Hydrological Connectivity to the Proposed Scheme



- Legend :**
- Liffey Valley to City Centre Core Bus Corridor Scheme
  - Scheme Waterbody Crossings
  - River Waterbody WFD Status 2013 - 2018**
  - Good
  - Moderate
  - Poor
  - Canal Waterbody WFD Status 2013 - 2018**
  - Good
  - Moderate
  - Transitional Waterbody WFD Status 2013 - 2018**
  - Good
  - Moderate
  - Coastal Waterbody WFD Status 2013 - 2018**
  - Good

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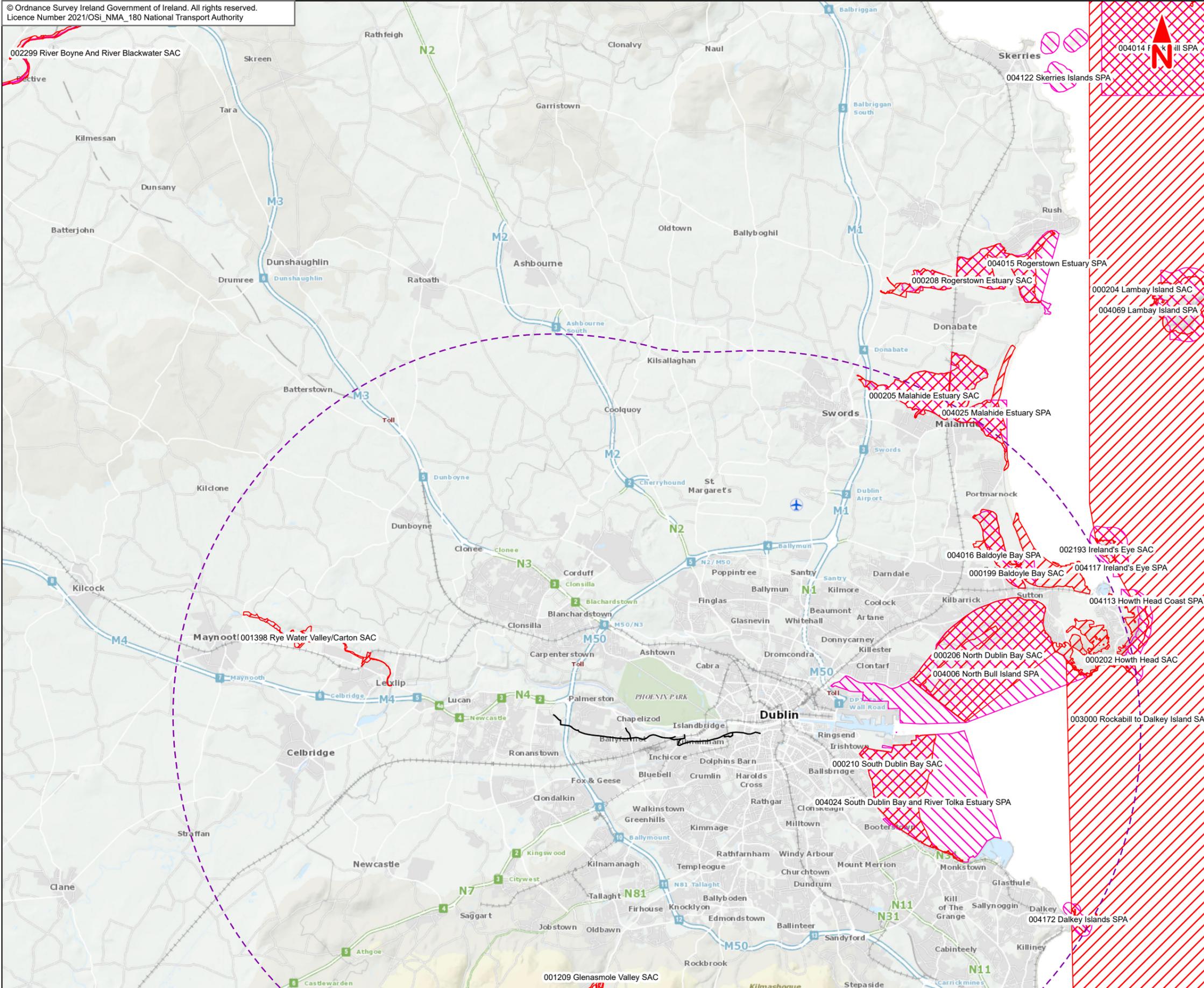
Consultant: **JACOBS ARUP SYSTRA**

Date: 5/26/2022 Scale @ A3: 1:50 000  
 Drawn: EK Checked: PW Approved: DK  
 Project Code: BCIDE Originator Code: JAC QMS Code:

Programme Title: <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title: Liffey Valley to City Centre Core Bus Corridor Scheme Figure 12.2 Hydrological Connectivity to the Proposed Scheme			
Drawing File Name: BCIDE-JAC-ENV BD-007 XX 00-DR-GG-003	Sheet Number: 1 of 1	Status: A	Rev: M01



**12.3**  
European Sites in the Vicinity  
of the Proposed Scheme



- Legend :**
- Liffey Valley to City Centre Core Bus Corridor Scheme
  - 15km from Proposed Scheme
  - Special Protection Areas (SPA)
  - Special Area of Conservation (SAC)

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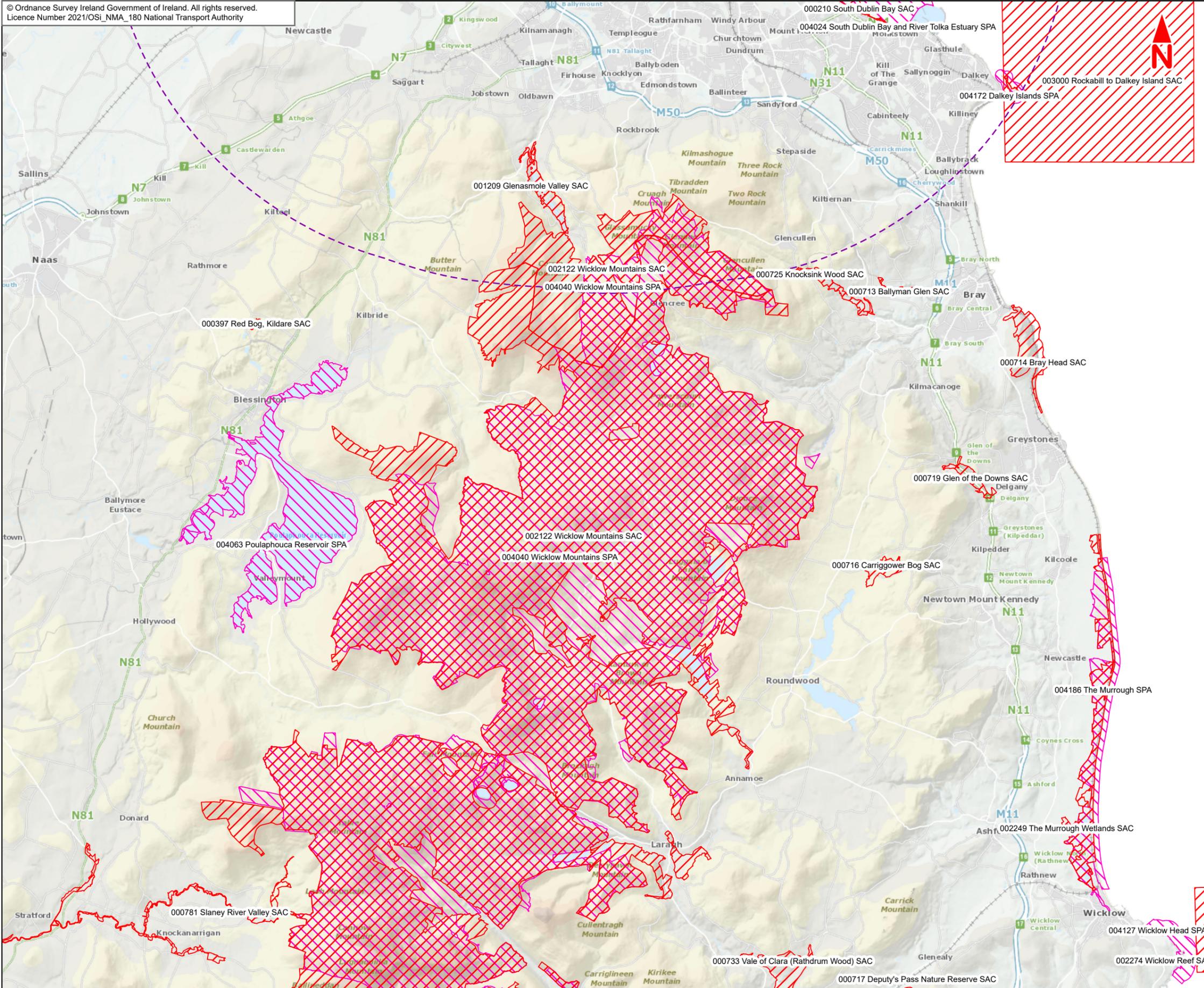
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National Transport Authority

Consultant: **JACOBS ARUP SYSTRA**

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 Drawn: EK | Checked: PW | Approved: DK  
 Project Code: BCIDE | Originator Code: JAC | QMS Code:

Programme Title: <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title: Liffey Valley to City Centre Core Bus Corridor Scheme Figure 12.3 European sites in the Vicinity of the Proposed Scheme			
Drawing File Name: BCIDE-JAC-ENV BD-007 XX 00-DR-GG-0001	Sheet Number: 1 of 2	Status: A	Rev: M01



- Legend :**
- Liffey Valley to City Centre Core Bus Corridor Scheme
  - 15km from Proposed Scheme
  - Special Protection Areas (SPA)
  - Special Area of Conservation (SAC)

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Project Code: BCIDE | Originator Code: JAC | QMS Code:

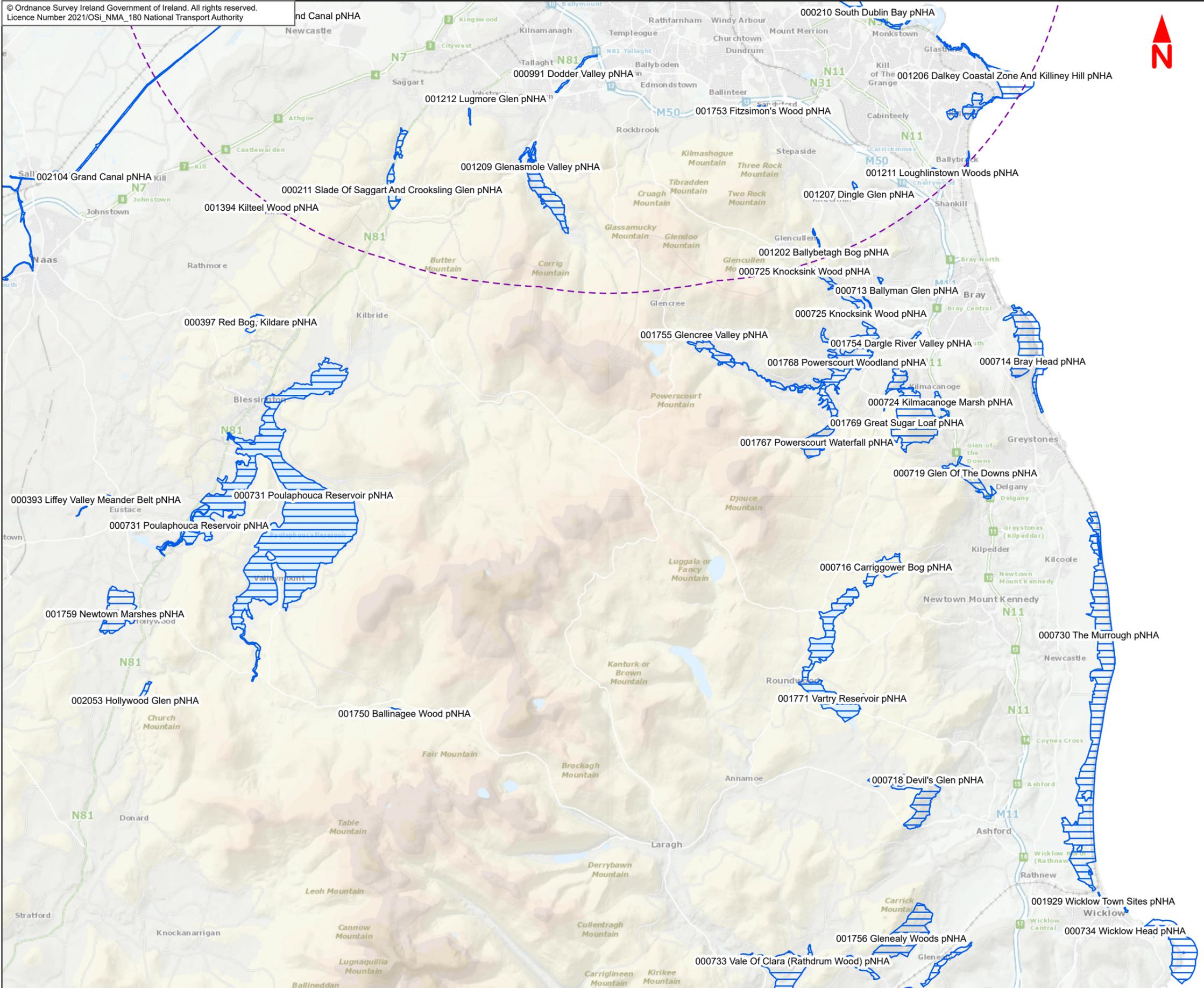
Programme Title: <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title: Liffey Valley to City Centre Core Bus Corridor Scheme Figure 12.3 European sites in the Vicinity of the Proposed Scheme			
Drawing File Name: BCIDE-JAC-ENV BD-007 XX 00-DR-GG-0091	Sheet Number: 2 of 2	Status: A	Rev: M01

## 12.4

Natural Heritage Areas and  
Proposed Natural Heritage  
Areas in the Vicinity of the  
Proposed Scheme







- Legend :**
- Liffey Valley to City Centre Core Bus Corridor Scheme
  - 15km Study Area
  - Natural Heritage Area
  - Proposed Natural Heritage Area

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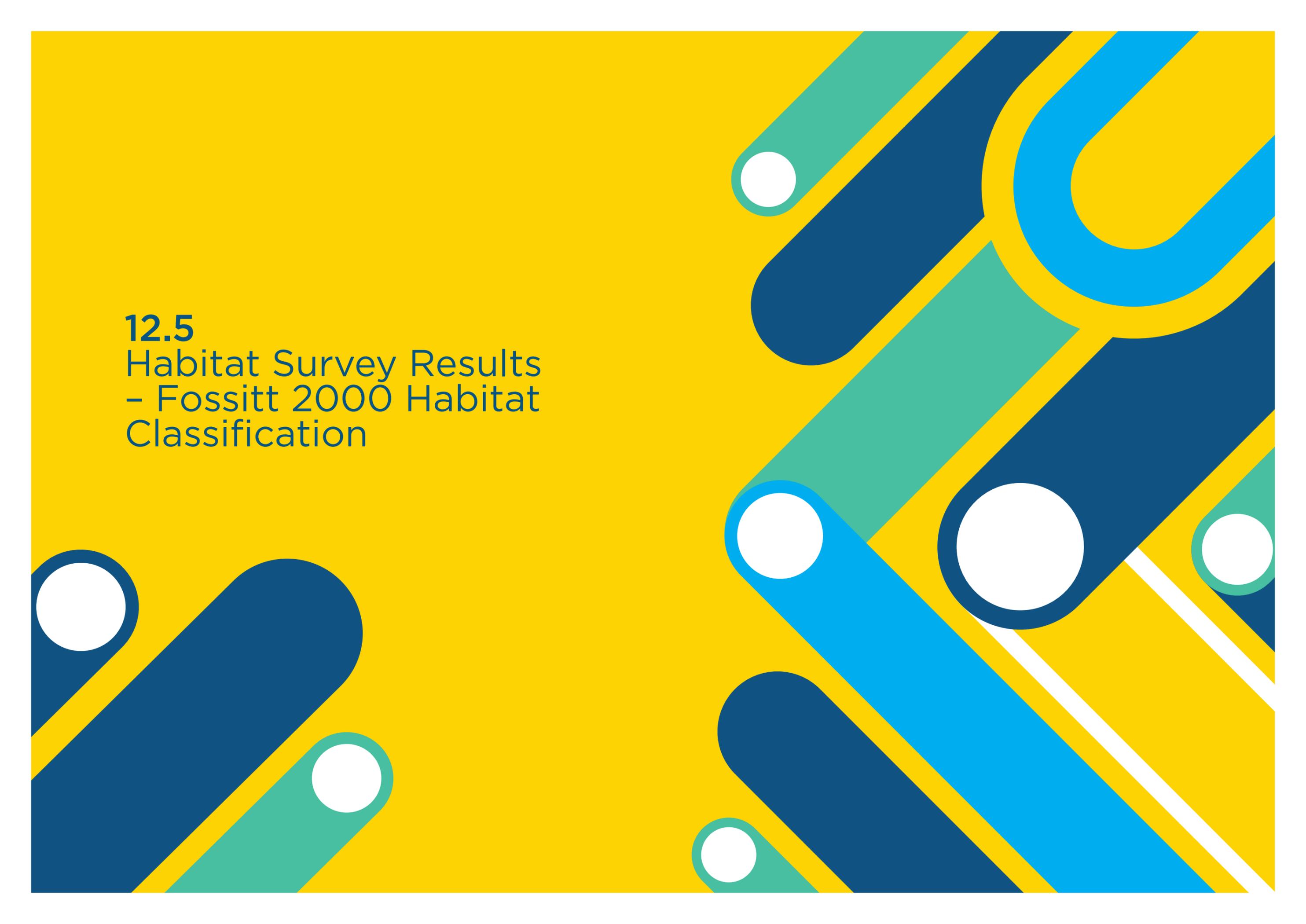
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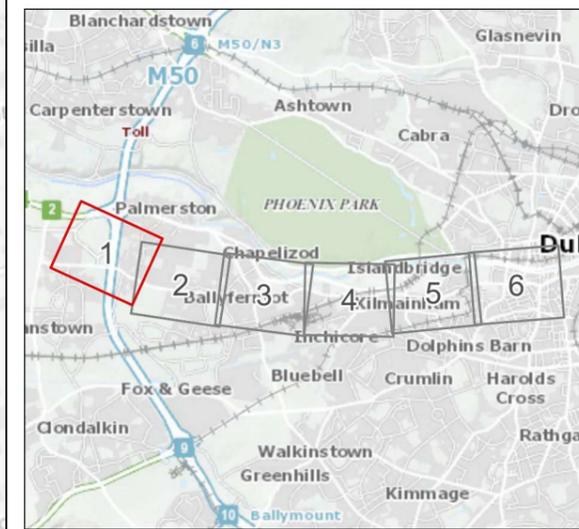
Consultant  
**JACOBS ARUP SYSTRA**

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Liffey Valley to City Centre Core Bus Corridor Scheme Figure 12.4 Natural Heritage Areas and Proposed Natural Heritage Areas in the Vicinity of the Proposed Scheme				
Drawing File Name BCIDE-JAC-ENV_BD-007_XX_00-DR-GG-0092	Sheet Number 2 of 2	Status A	Rev M01	

Date 5/26/2022	Scale @ A3 1:150 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		



**12.5**  
Habitat Survey Results  
- Fossitt 2000 Habitat  
Classification



**Legend :**

Liffey Valley to City Centre Core Bus Corridor Scheme

**Fossitt Habitat Types**

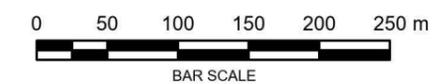
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- WL1
- WL2
- WS3
- BL3
- ED1
- ED2
- ED3
- GA2
- GS2
- WD1
- WD5
- WL1
- WL2
- WS1
- WS3

**Other Habitat Types**

- Res

Note: For the purposes of the draft mapping the scheme centreline has been used. The scheme footprint will be used in the final mapping.

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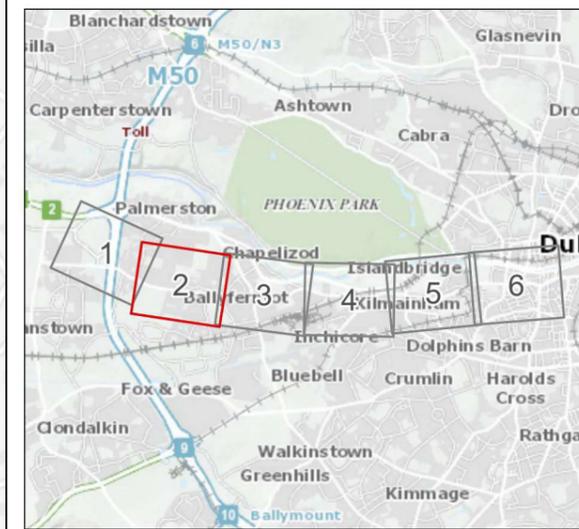
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Consultant  
**JACOBS ARUP SYSTRA**

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Liffey Valley to City Centre Core Bus Corridor Scheme Figure 12.5 Habitat Survey Results - Fossitt 2000 Habitat Classification				
Drawing File Name BCIDE-JAC-ENV_BD-0007_XX_00-DR-GG-0201	Sheet Number 1 of 6	Status A	Rev M01	

Date 5/27/2022	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		



**Legend :**

Liffey Valley to City Centre Core Bus Corridor Scheme

**Fossitt Habitat Types**

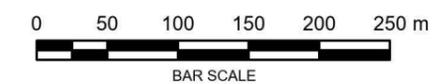
- BL1
- BL3
- WL1
- WL2
- BC4
- BL3
- ED2
- GA2
- GS2
- WD5
- WL1
- WL2
- WS1
- WS3

**Other Habitat Types**

Res

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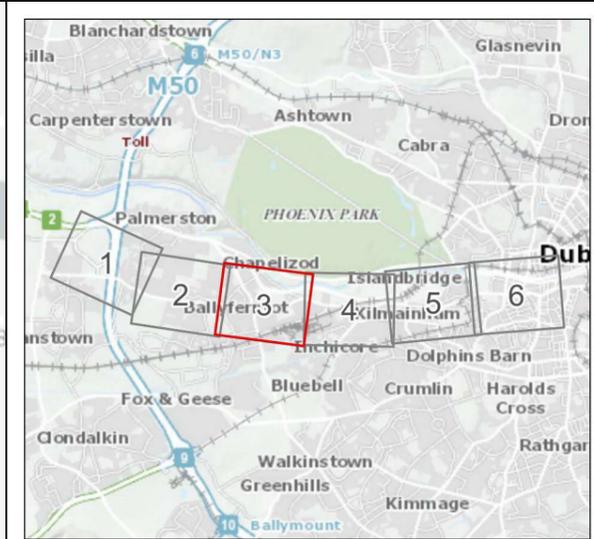
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M01	May 2022	EK	PW	DK	ISSUE FOR PHASE 4 : PLANNING

Client <b>NTA</b> Údarás Náisiúnta Iompair National Transport Authority		Consultant <b>JACOBS ARUP SYSTRA</b>		
Date 5/27/2022	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

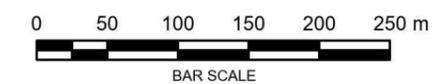
Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Liffey Valley to City Centre Core Bus Corridor Scheme Figure 12.5 Habitat Survey Results - Fossitt 2000 Habitat Classification				
Drawing File Name BCIDE-JAC-ENV_BD-0007_XX_00-DR-GG-0202	Sheet Number 2 of 6	Status A	Rev M01	



- Legend :**
- Liffey Valley to City Centre Core Bus Corridor Scheme
- Fossitt Habitat Types**
- BL1
  - BL3
  - WL1
  - WL2
  - WS3
  - BL3
  - GA2
  - WD1
  - WD5
  - WL2
  - WS3
- Other Habitat Types**
- Res

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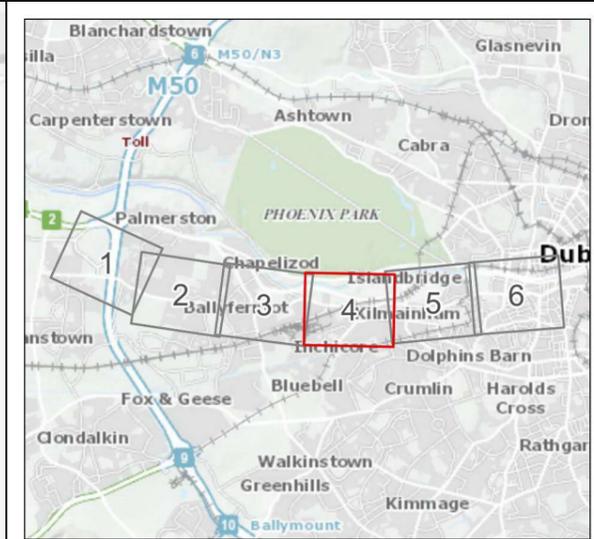
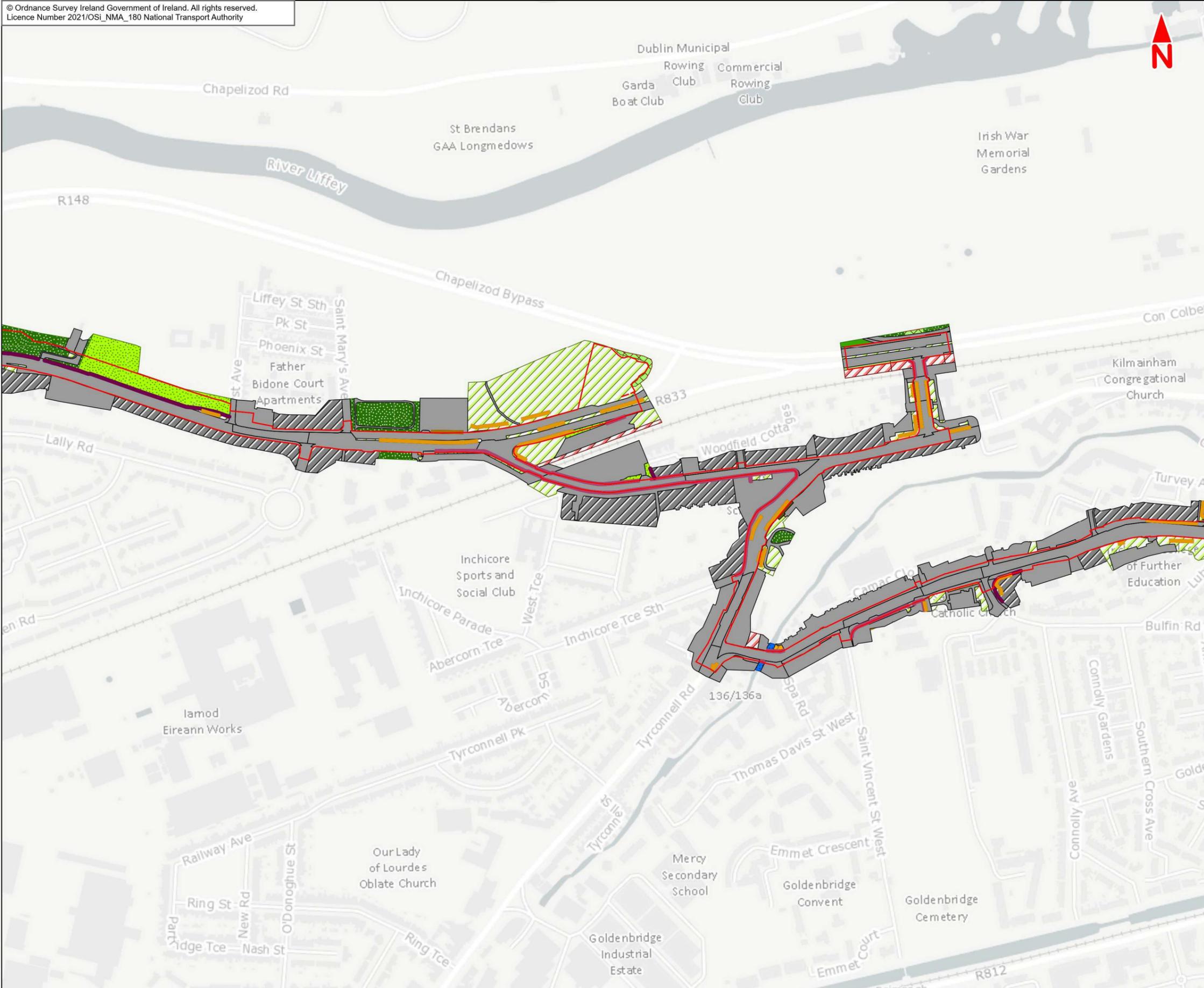
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Date	Scale @ A3	Drawn	Checked	Approved
5/27/2022	1:5 000	EK	PW	DK
Project Code	Originator Code	QMS Code		
BCIDE	JAC			

Programme Title				
<b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title				
Liffey Valley to City Centre Core Bus Corridor Scheme Figure 12.5 Habitat Survey Results - Fossitt 2000 Habitat Classification				
Drawing File Name	Sheet Number	Status	Rev	
BCIDE-JAC-ENV_BD-0007_XX_00-DR-GG-0203	3 of 6	A	M01	



**Legend :**

□ Liffey Valley to City Centre Core Bus Corridor Scheme

**Fossitt Habitat Types**

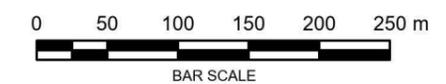
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- WL1
- WL2
- BC4
- BL3
- ED2
- FW2
- GA2
- GS2
- WD1
- WD5
- WL1
- WL2
- WS1
- WS3

**Other Habitat Types**

- Res

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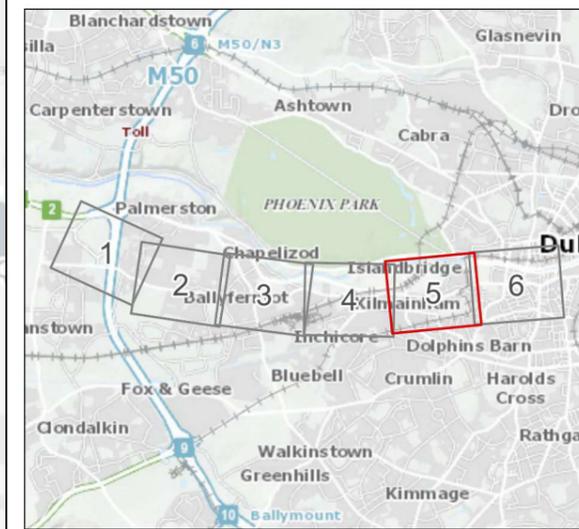
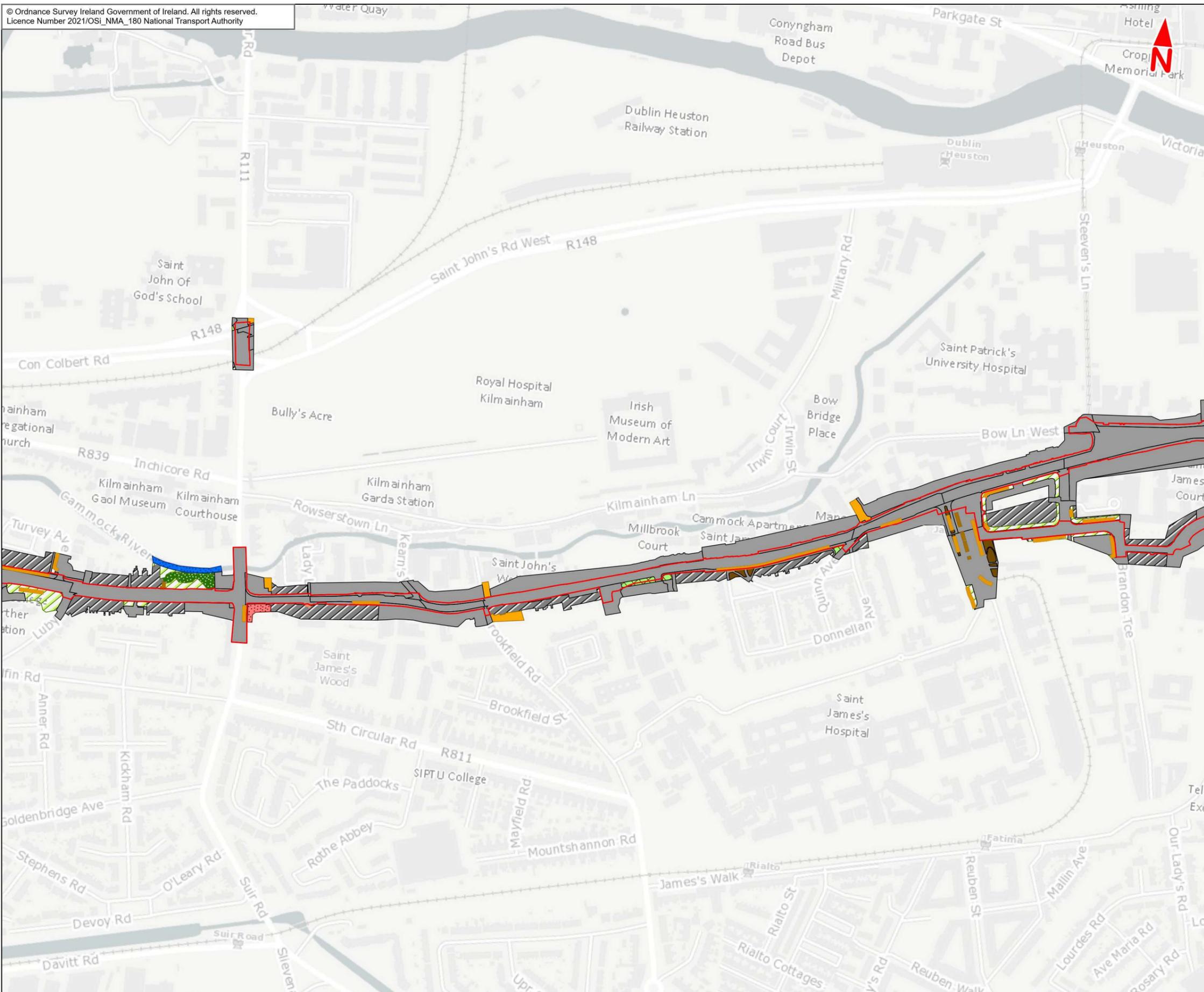
Date: 5/27/2022  
Scale @ A3: 1:5 000  
Project Code: BCIDE  
Originator Code: JAC

Consultant  
**JACOBS ARUP SYSTRA**

Drawn: EK  
Checked: PW  
Approved: DK

QMS Code

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title Liffey Valley to City Centre Core Bus Corridor Scheme Figure 12.5 Habitat Survey Results - Fossitt 2000 Habitat Classification			
Drawing File Name BCIDE-JAC-ENV_BD-0007_XX_00-DR-GG-0204	Sheet Number 4 of 6	Status A	Rev M01



**Legend :**

Liffey Valley to City Centre Core Bus Corridor Scheme

**Fossitt Habitat Types**

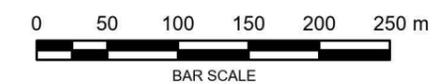
- WL1
- WL2
- WS3
- BC4
- BL3
- ED3
- FW2
- GA2
- WD5
- WL1
- WL2
- WS1

**Other Habitat Types**

Res

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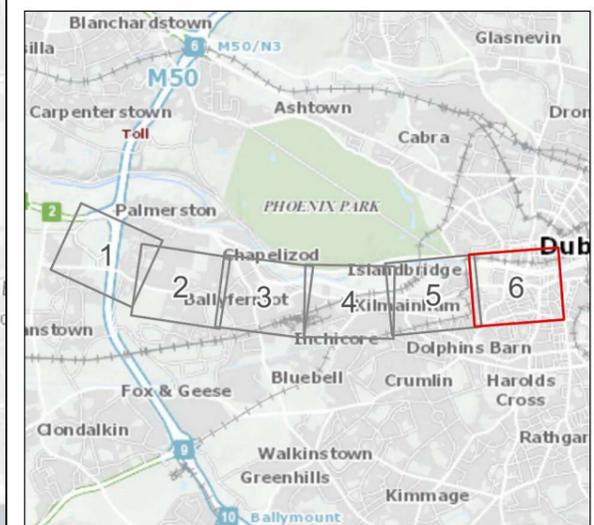
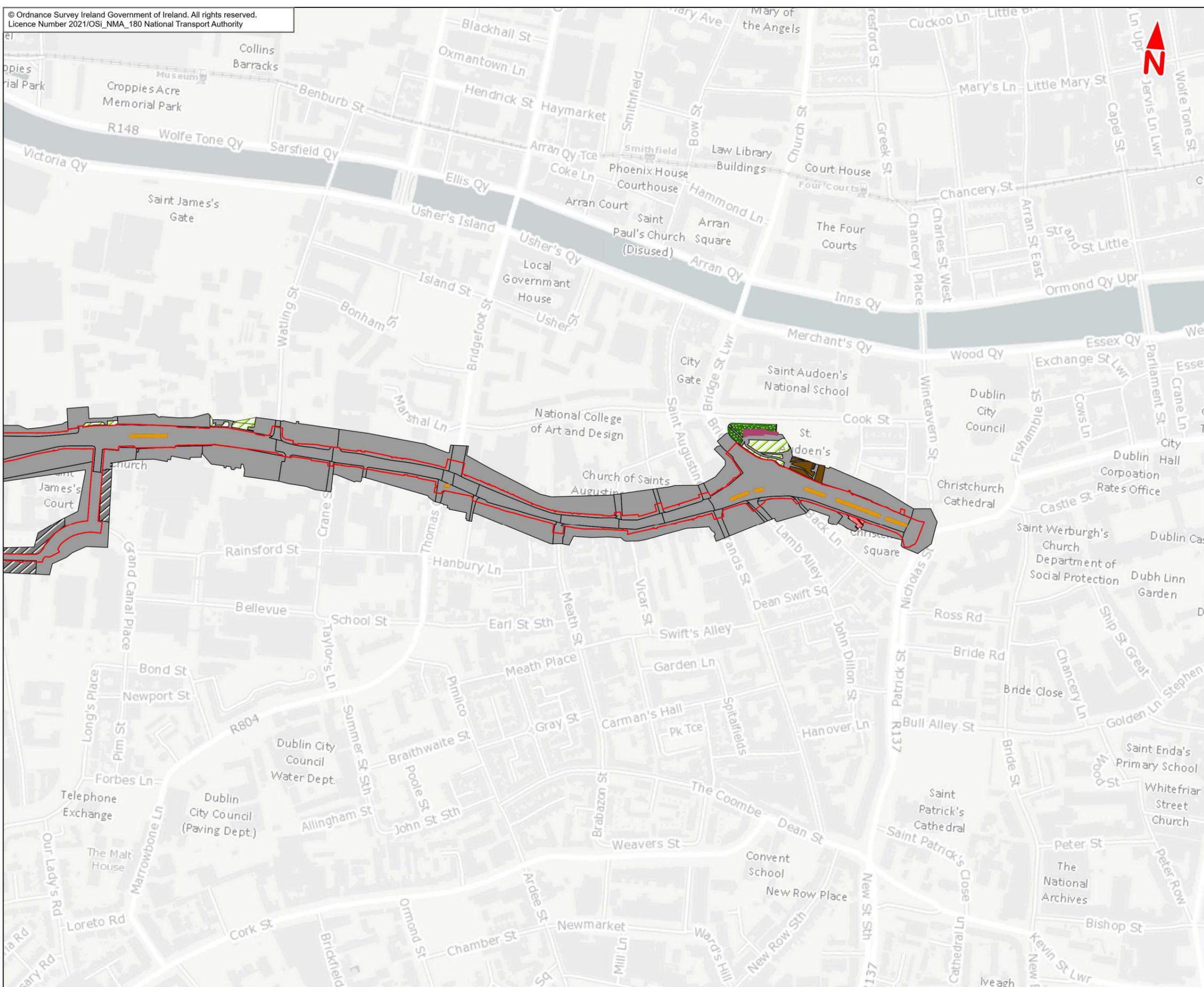
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Consultant  
**JACOBS ARUP SYSTRA**

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Liffey Valley to City Centre Core Bus Corridor Scheme Figure 12.5 Habitat Survey Results - Fossitt 2000 Habitat Classification				
Drawing File Name BCIDE-JAC-ENV_BD-0007_XX_00-DR-GG-0205	Sheet Number 5 of 6	Status A	Rev M01	

Date 5/27/2022	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		



**Legend :**

- Liffey Valley to City Centre Core Bus Corridor Scheme

**Fossitt Habitat Types**

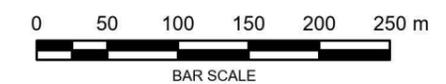
- BL1
- WL2
- BC4
- BL3
- ED1
- GA2
- WD5

**Other Habitat Types**

- Res

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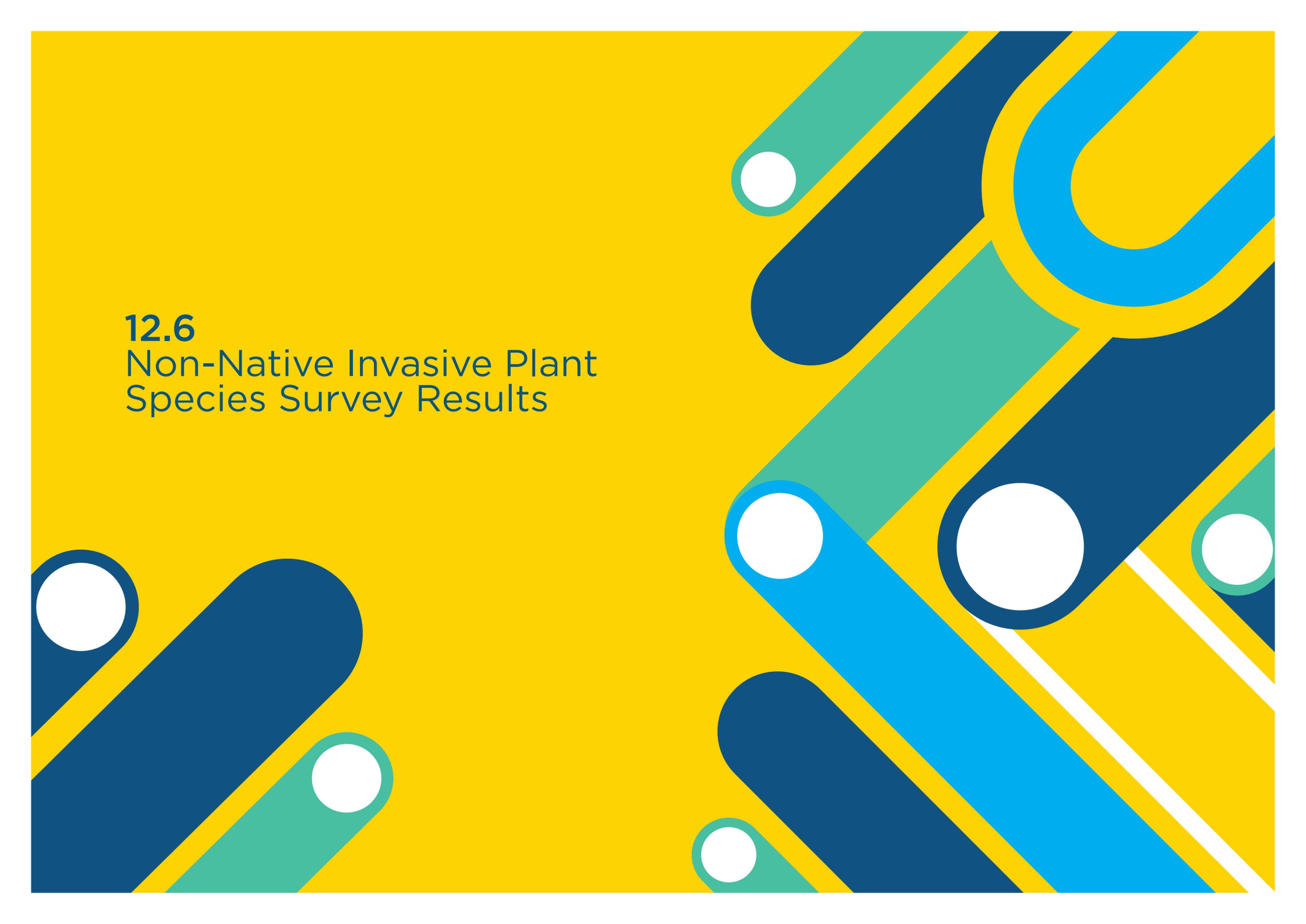
Consultant: **JACOBS ARUP SYSTRA**

Date: 5/27/2022  
Scale @ A3: 1:5 000  
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Originator Code: JAC

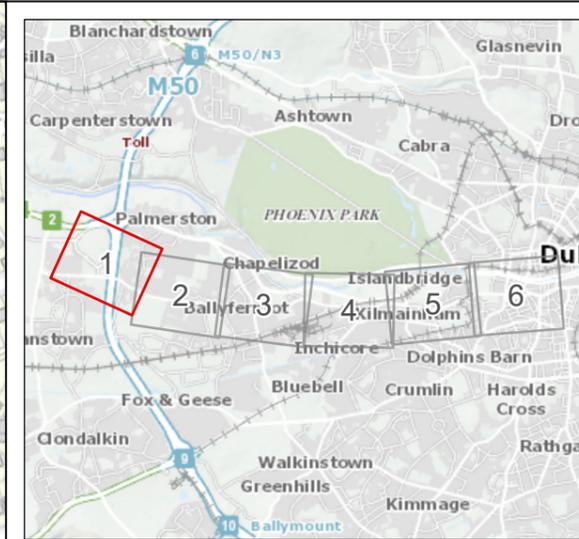
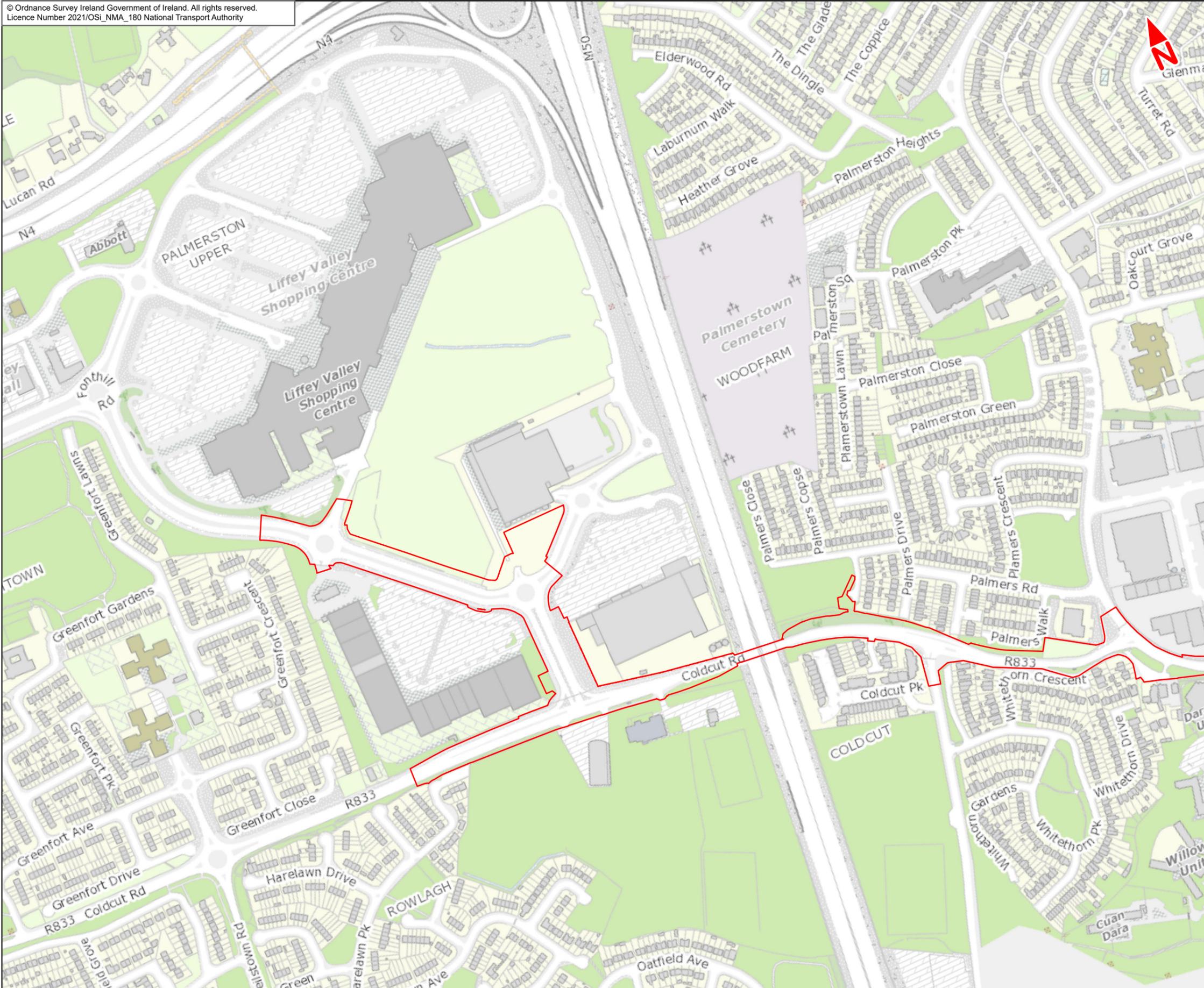
Drawn: EK  
Checked: PW  
Approved: DK

QMS Code: \_\_\_\_\_

Programme Title: <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title: Liffey Valley to City Centre Core Bus Corridor Scheme Figure 12.5 Habitat Survey Results - Fossitt 2000 Habitat Classification			
Drawing File Name: BCIDE-JAC-ENV_BD-0007_XX_00-DR-GG-0206	Sheet Number: 6 of 6	Status: A	Rev: M01



**12.6**  
Non-Native Invasive Plant  
Species Survey Results



**Legend :**  
 Liffey Valley to City Centre Core Bus Corridor Scheme

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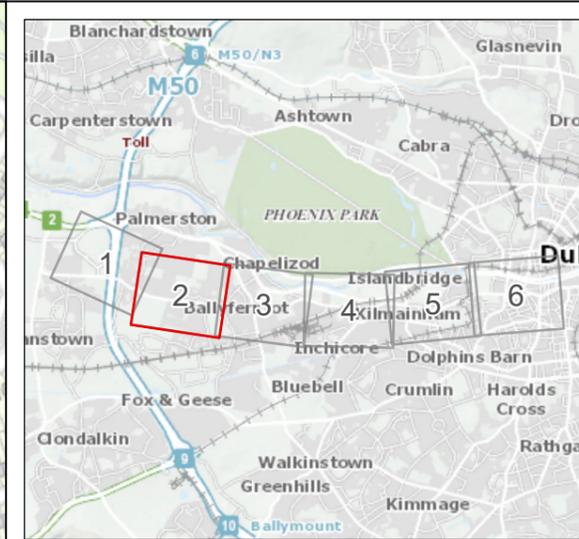
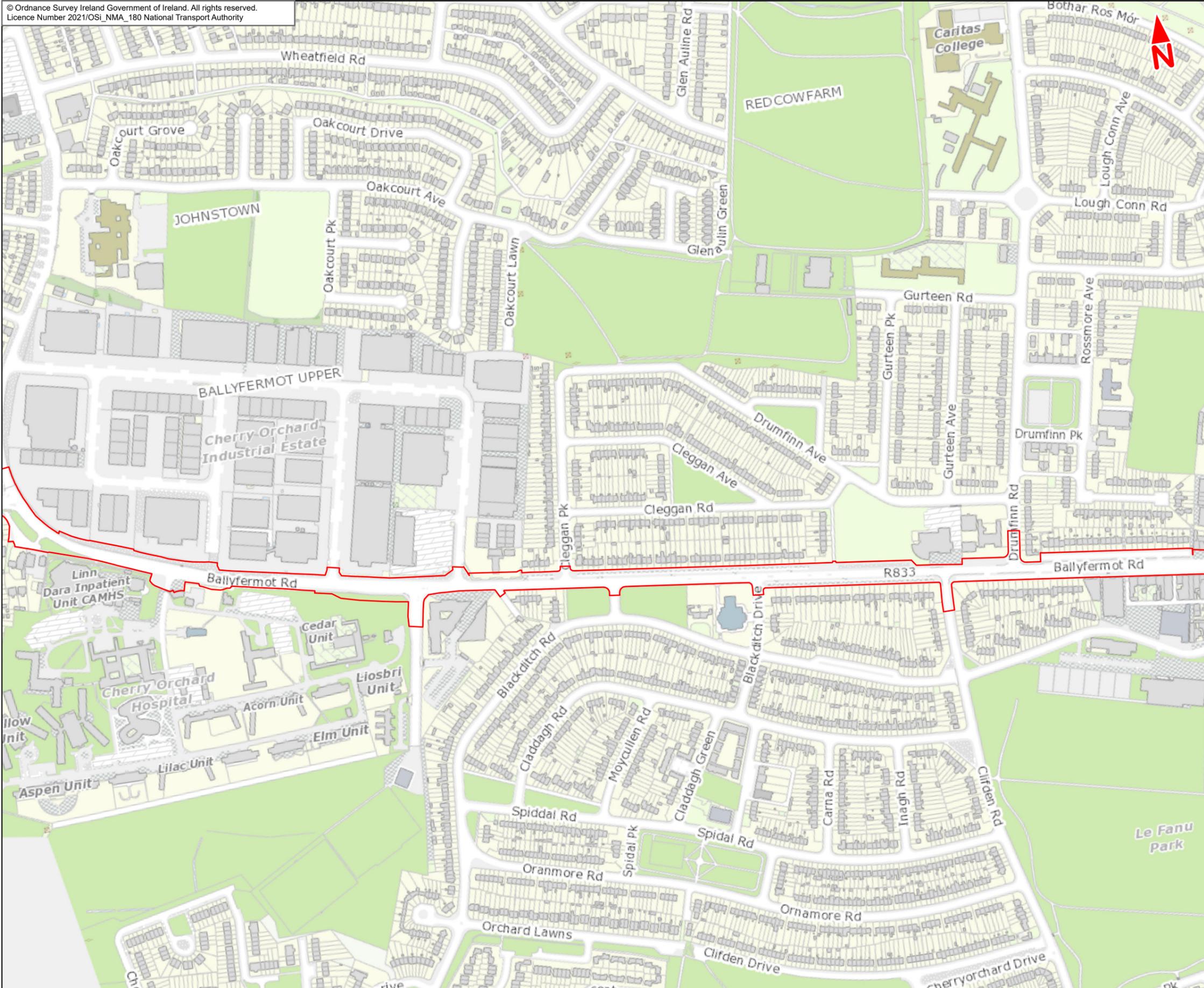
Programme Title  
**BUSCONNECTS DUBLIN**  
**CORE BUS CORRIDORS INFRASTRUCTURE WORKS**

Drawing Title  
 Liffey Valley to City Centre Core Bus Corridor Scheme  
 Figure 12.6  
 Non-Native Invasive Plant Species Survey Results

Date: 5/26/2022  
 Scale @ A3: 1:5 000  
 Project Code: BCIDE  
 Originator Code: JAC

Drawn: EK  
 Checked: PW  
 Approved: DK

Drawing File Name: BCIDE-JAC-ENV\_BD-0007\_XX\_00-DR-GG-0701  
 Sheet Number: 1 of 6  
 Status: A  
 Rev: M01



**Legend :**  
 Liffey Valley to City Centre  
 Core Bus Corridor Scheme

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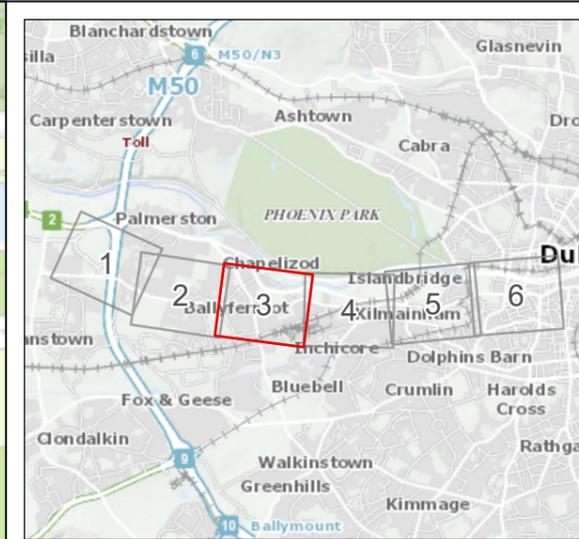
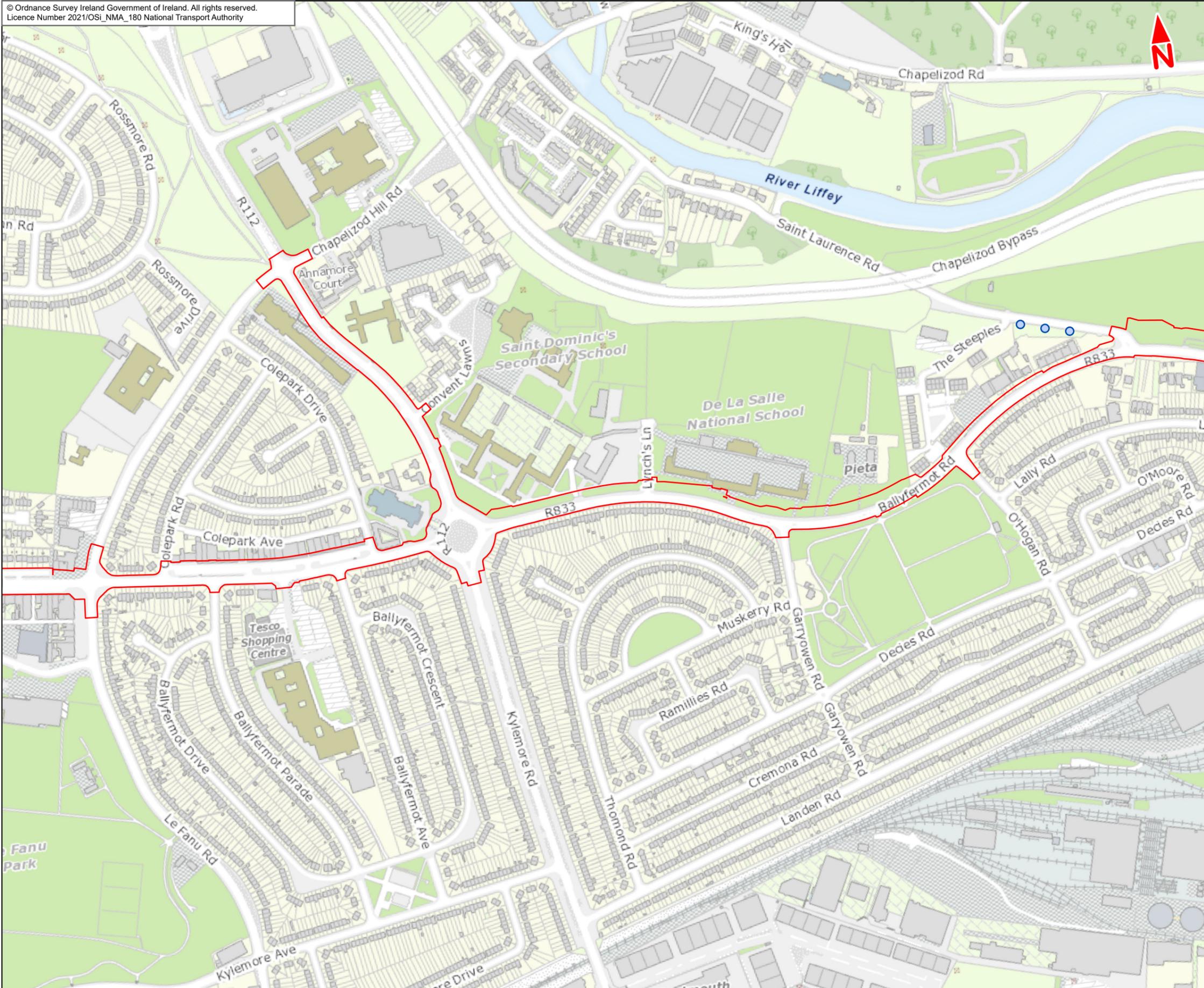
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Consultant  
**JACOBS**  
**ARUP SYSTRA**

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Liffey Valley to City Centre Core Bus Corridor Scheme Figure 12.6 Non-Native Invasive Plant Species Survey Results				
Drawing File Name BCIDE-JAC-ENV BD-0007_XX_00-DR-GG-0702	Sheet Number 2 of 6	Status A	Rev M01	

Date 5/26/2022	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		



- Legend :**
- Liffey Valley to City Centre Core Bus Corridor Scheme
  - *Reynoutria japonica*

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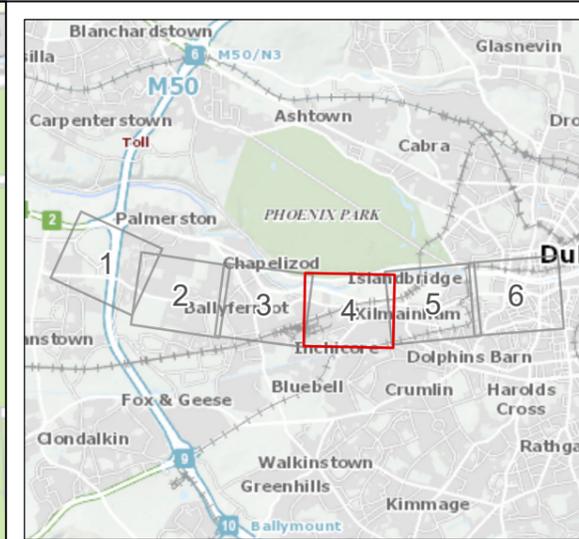
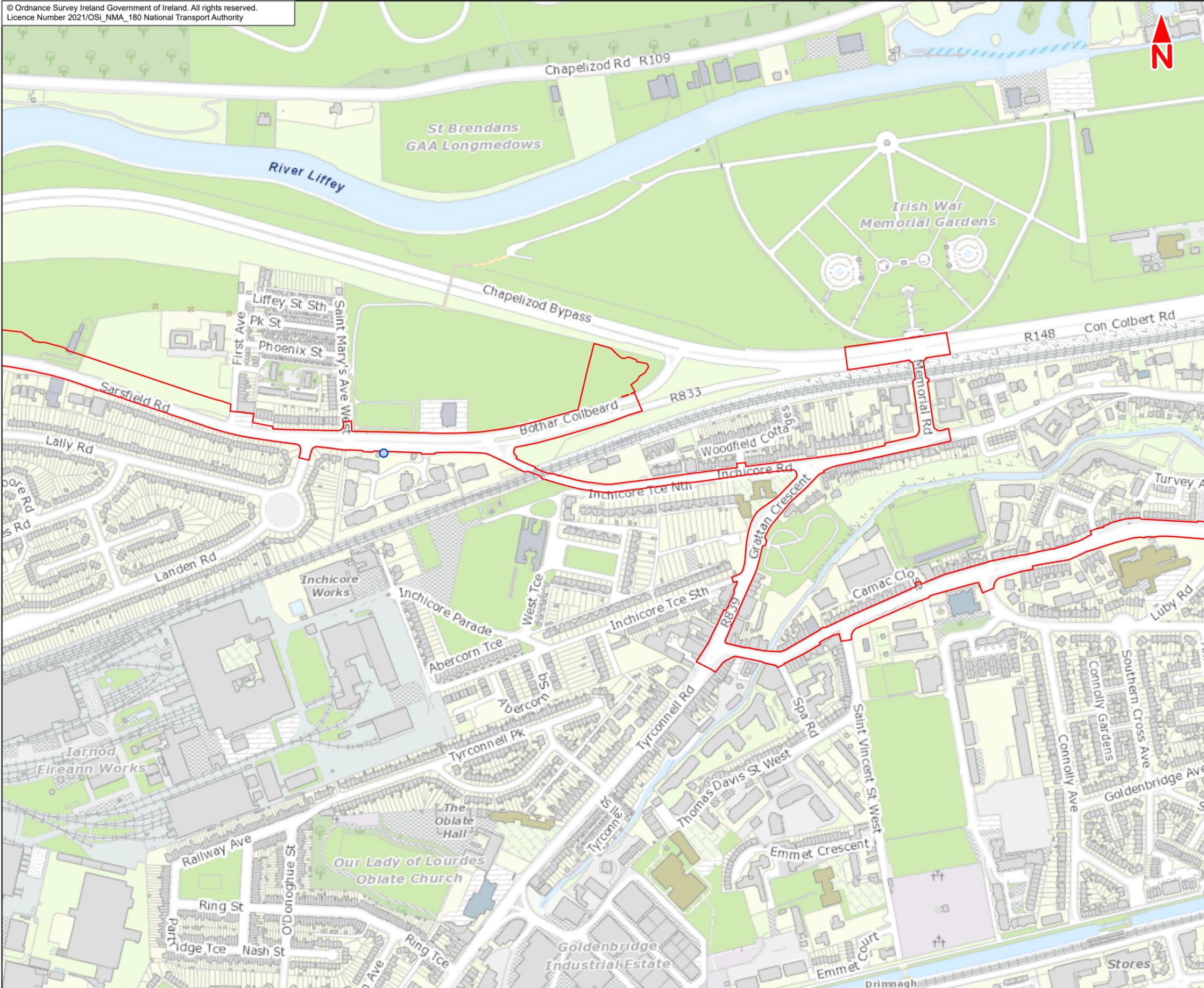
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Client <b>NTA</b> Udarás Náisiúnta Iompair National Transport Authority		Consultant <b>JACOBS</b> <b>ARUP SYSTRA</b>		
Date 5/26/2022	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

Programme Title <b>BUSCONNECTS DUBLIN</b> <b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Liffey Valley to City Centre Core Bus Corridor Scheme Figure 12.6 Non-Native Invasive Plant Species Survey Results				
Drawing File Name BCIDE-JAC-ENV BD-0007_XX_00-DR-GG-0703	Sheet Number 3 of 6	Status A	Rev M01	



**Legend :**

Liffey Valley to City Centre Core Bus Corridor Scheme

**Species Name**

● *Reynoutria japonica*

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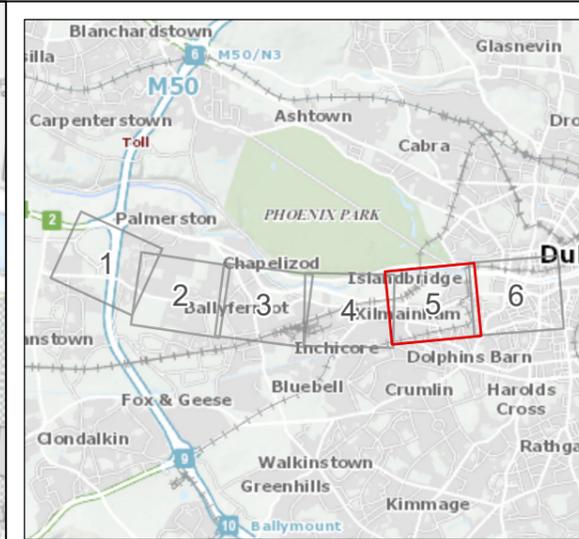
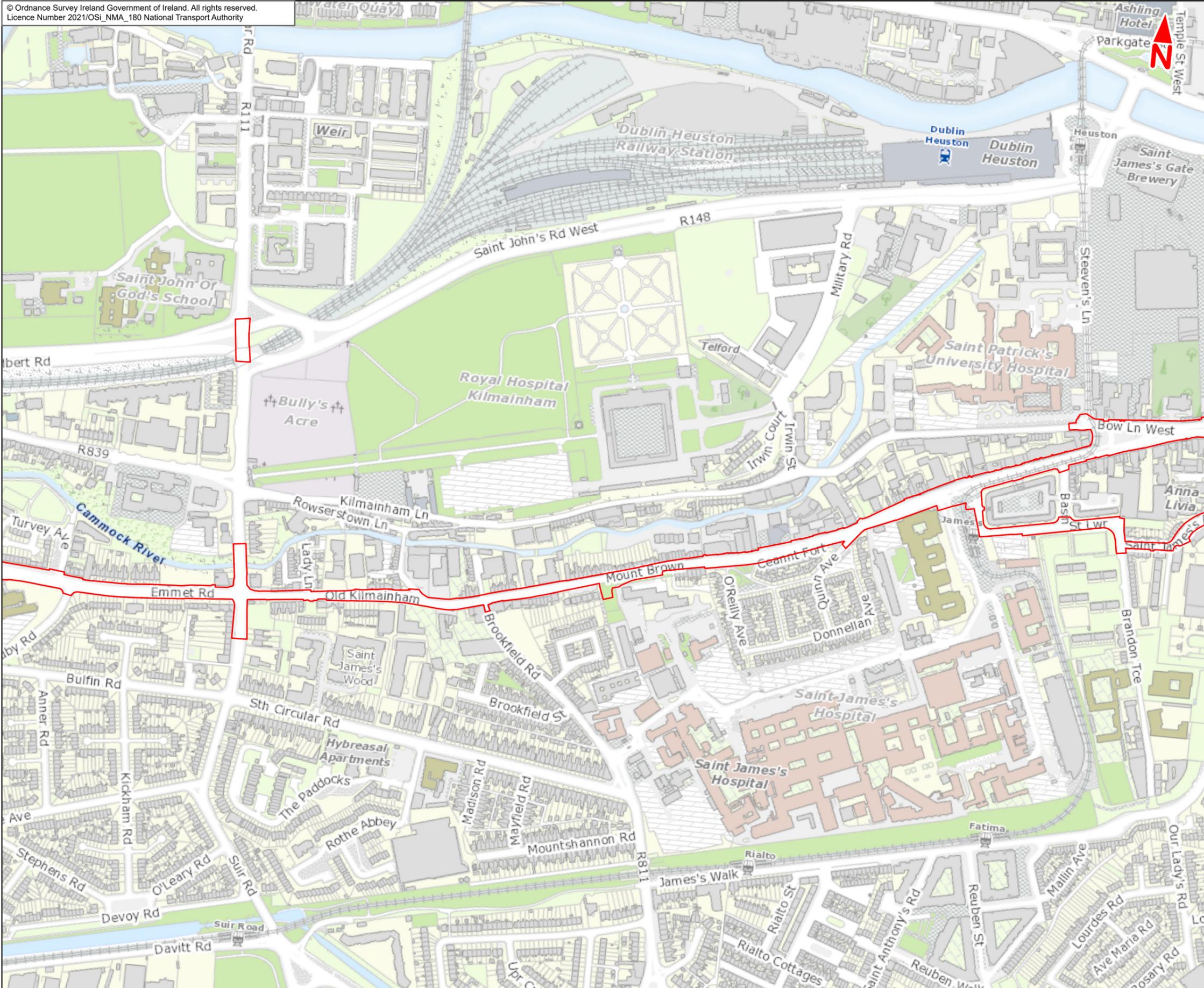
Client

Date: 5/26/2022  
Scale @ A3: 1:5 000  
Project Code: BCIDE  
Originator Code: JAC

Consultant

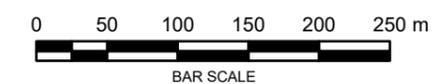
Drawn: EK  
Checked: PW  
Approved: DK

Programme Title			
<b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title			
Liffey Valley to City Centre Core Bus Corridor Scheme Figure 12.6 Non-Native Invasive Plant Species Survey Results			
Drawing File Name	Sheet Number	Status	Rev
BCIDE-JAC-ENV BD-007 XX 00-DR-GG-0704	4 of 6	A	M01



**Legend :**  
 Liffey Valley to City Centre Core Bus Corridor Scheme

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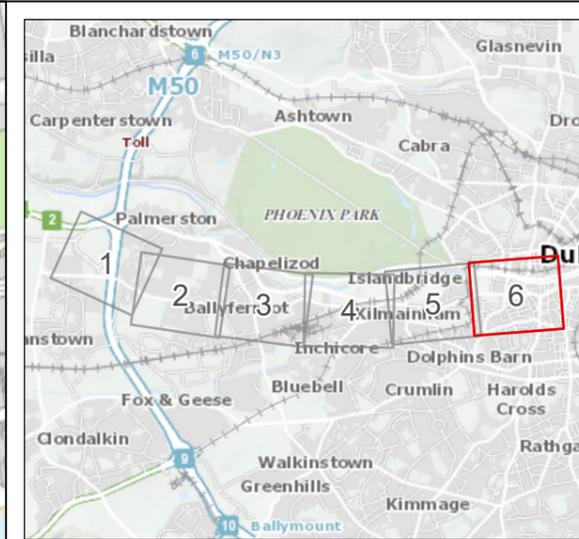
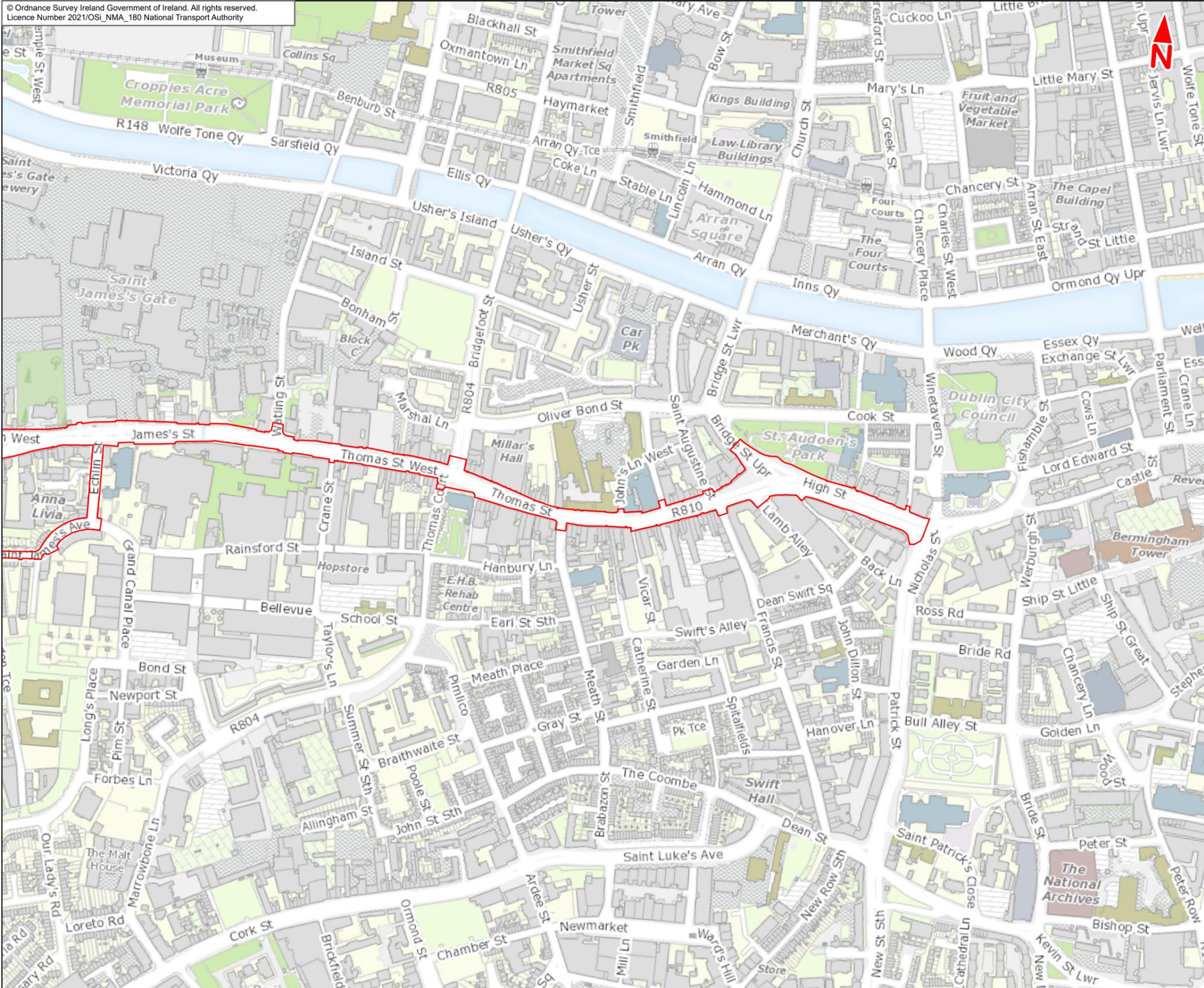
Rev	Date	Drn	Chk'd	App'd	Description
M01	May 2022	EK	PW	DK	ISSUE FOR PHASE 4 : PLANNING

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

Consultant: **JACOBS ARUP SYSTRA**

Date: 5/26/2022 Scale @ A3: 1:5 000  
 Drawn: EK Checked: PW Approved: DK  
 Project Code: BCIDE Originator Code: JAC QMS Code:

Programme Title: <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title: Liffey Valley to City Centre Core Bus Corridor Scheme Figure 12.6 Non-Native Invasive Plant Species Survey Results			
Drawing File Name: BCIDE-JAC-ENV BD-0007_XX_00-DR-GG-0705	Sheet Number: 5 of 6	Status: A	Rev: M01



**Legend :**  
 Liffey Valley to City Centre  
 Core Bus Corridor Scheme

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

Consultant  
**JACOBS**  
**ARUP SYSTRA**

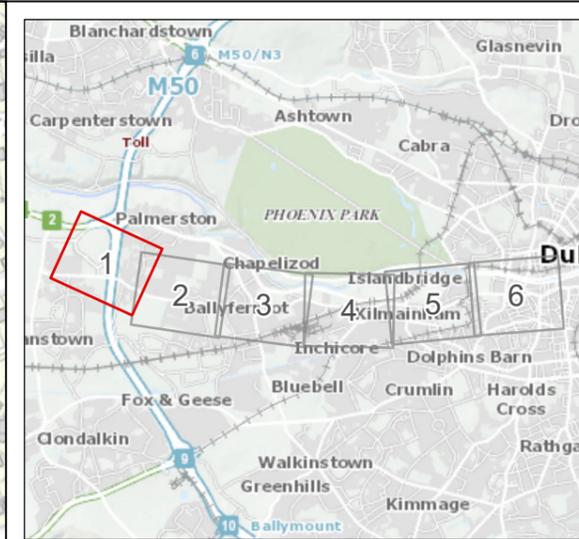
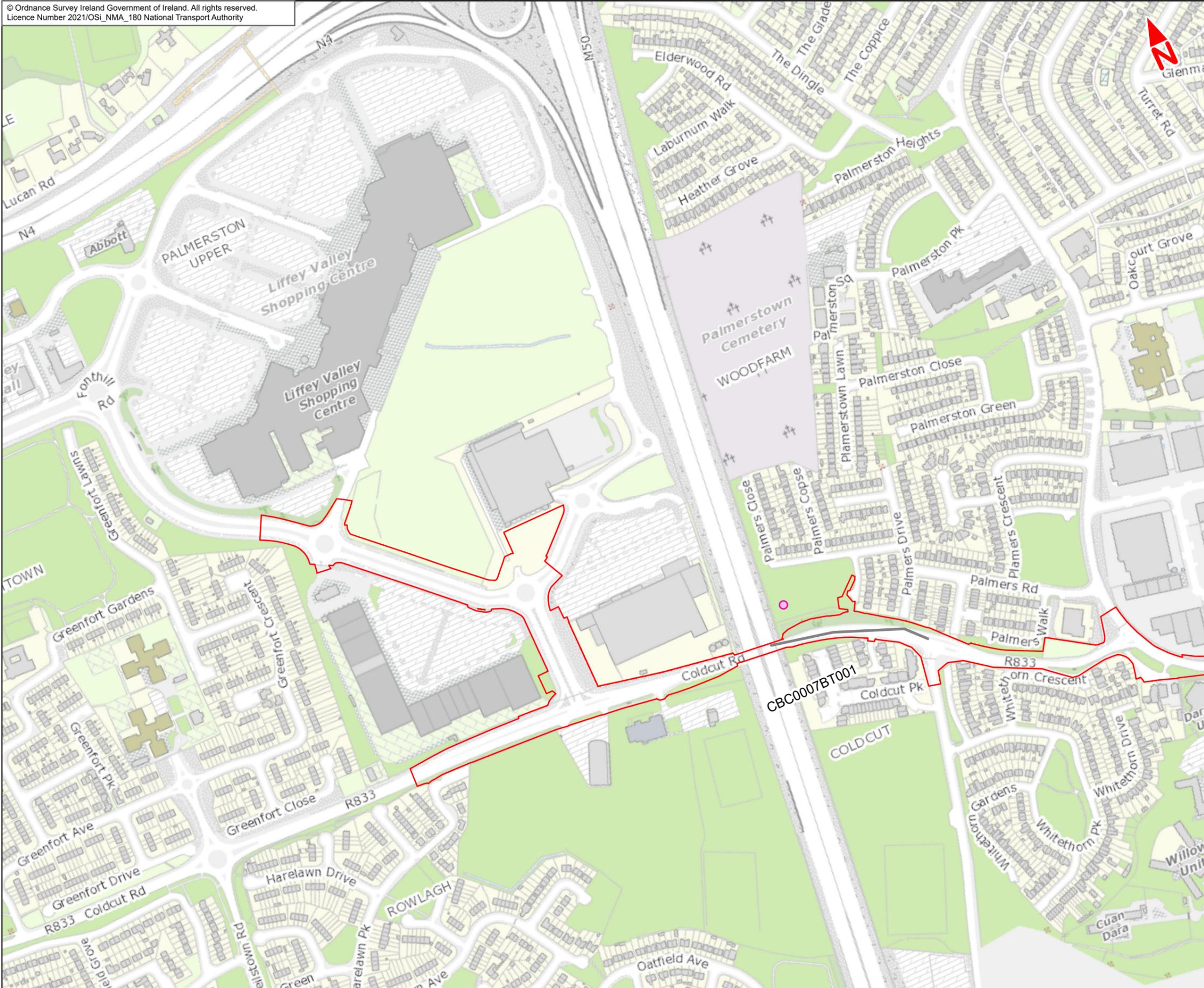
Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title Liffey Valley to City Centre Core Bus Corridor Scheme Figure 12.6 Non-Native Invasive Plant Species Survey Results			
Drawing File Name BCIDE-JAC-ENV BD-007 XX 00-DR-GG-0706	Sheet Number 6 of 6	Status A	Rev M01

Date 5/26/2022	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

## 12.7.1

### Bat Survey Results: Bat Activity Survey Results





- Legend :**
- Liffey Valley to City Centre Core Bus Corridor Scheme
  - Bat Survey Transects
  - Bat Species**
  - *Pipistrellus pipistrellus*

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

Consultant: **JACOBS ARUP SYSTRA**

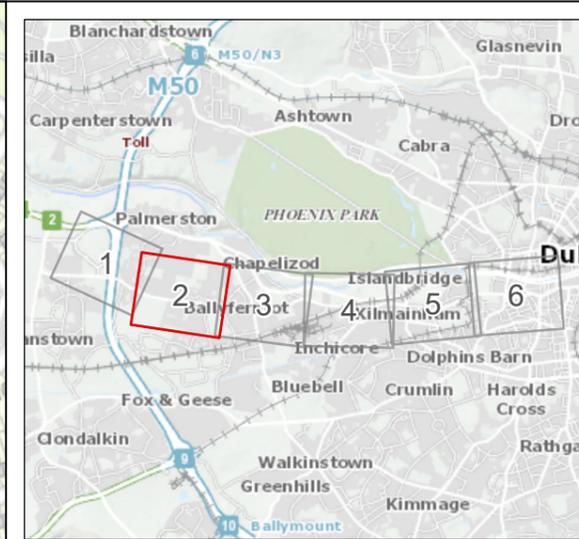
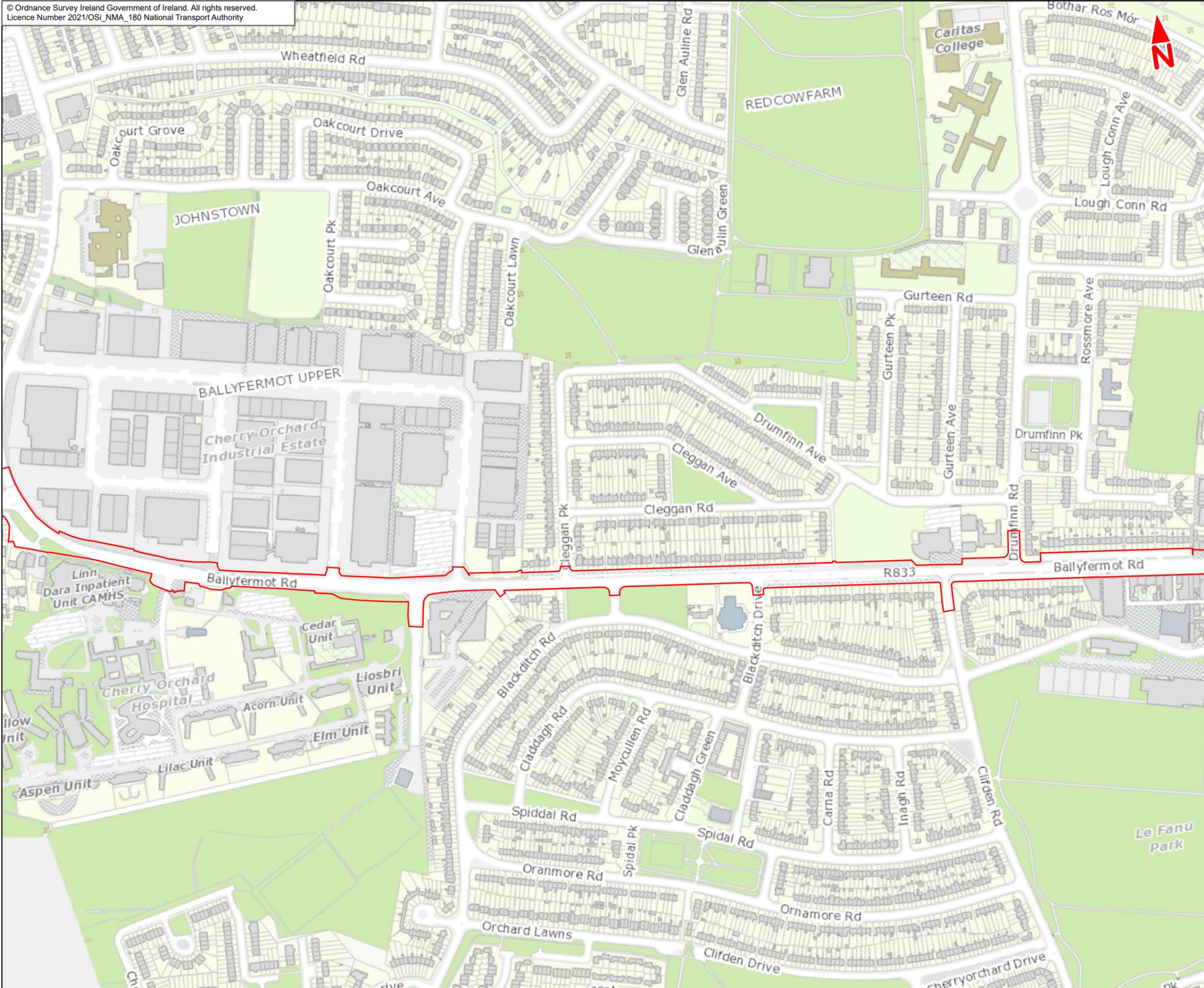
Date: 5/25/2022  
Scale @ A3: 1:5 000

Project Code: BCIDE  
Originator Code: JAC

Drawn: EK  
Checked: PW  
Approved: DK

Programme Title: <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title: Liffey Valley to City Centre Core Bus Corridor Scheme Figure 12.7.1 Bat Survey Results: Bat Activity Survey Results			
Drawing File Name: BCIDE-JAC-ENV BD-007 XX 00-DR-GG-0401	Sheet Number: 1 of 6	Status: A	Rev: M01





**Legend :**  
 Liffey Valley to City Centre Core Bus Corridor Scheme

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 Building Ireland's Future

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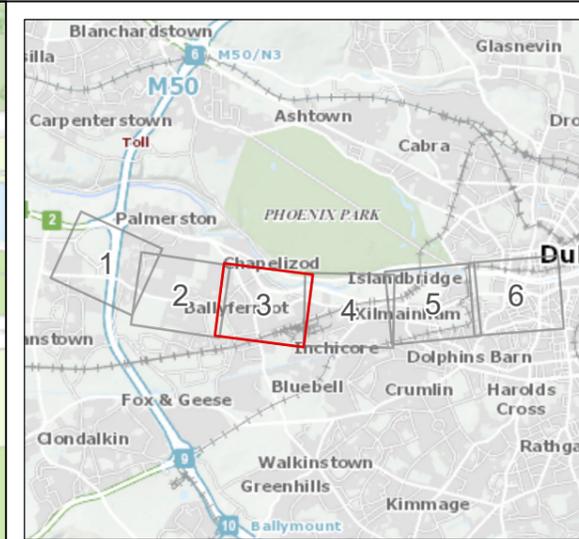
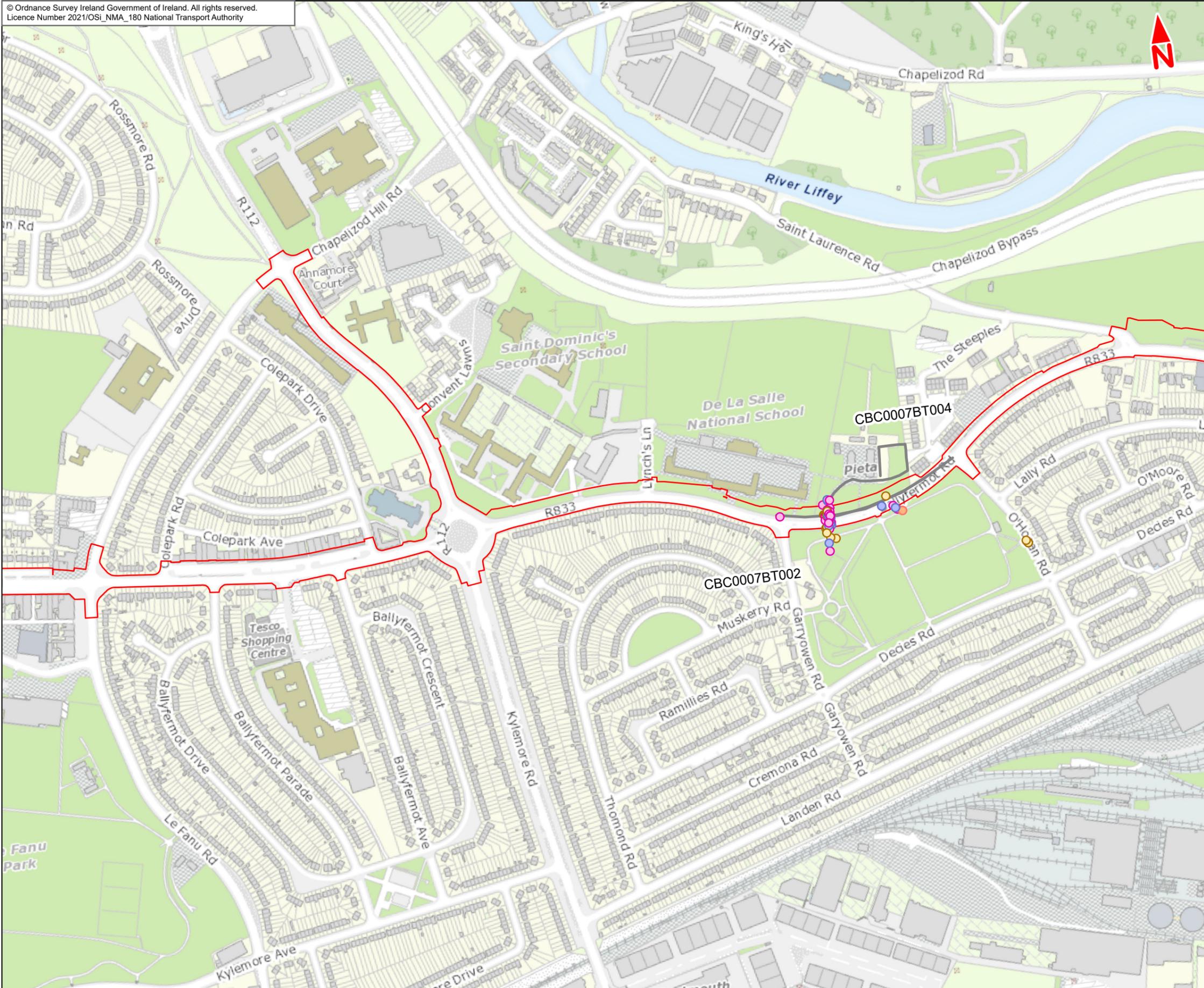
Date: 5/25/2022  
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Project Code: BCIDE  
 Originator Code: JAC

Consultant: **JACOBS ARUP SYSTRA**

Drawn: EK  
 Checked: PW  
 Approved: DK

Programme Title	<b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>		
Drawing Title	Liffey Valley to City Centre Core Bus Corridor Scheme Figure 12.7.1 Bat Survey Results: Bat Activity Survey Results		
Drawing File Name	BCIDE-JAC-ENV_BD-0007_XX_00-DR-GG-0402	Sheet Number	2 of 6
Status	A	Rev	M01



**Legend :**

- Liffey Valley to City Centre Core Bus Corridor Scheme
- Bat Survey Transects
- Bat Species**
- *Nyctalus leisleri*
- *Pipistrellus pipistrellus*
- *Pipistrellus pygmaeus*
- *Pipistrellus sp.*
- *Plecotus auritus*

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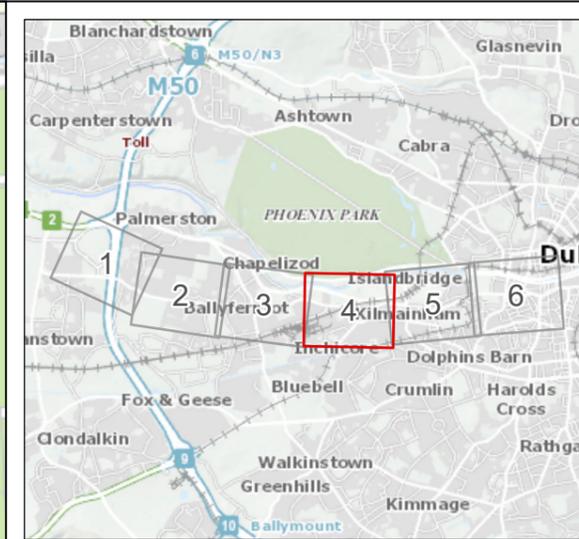
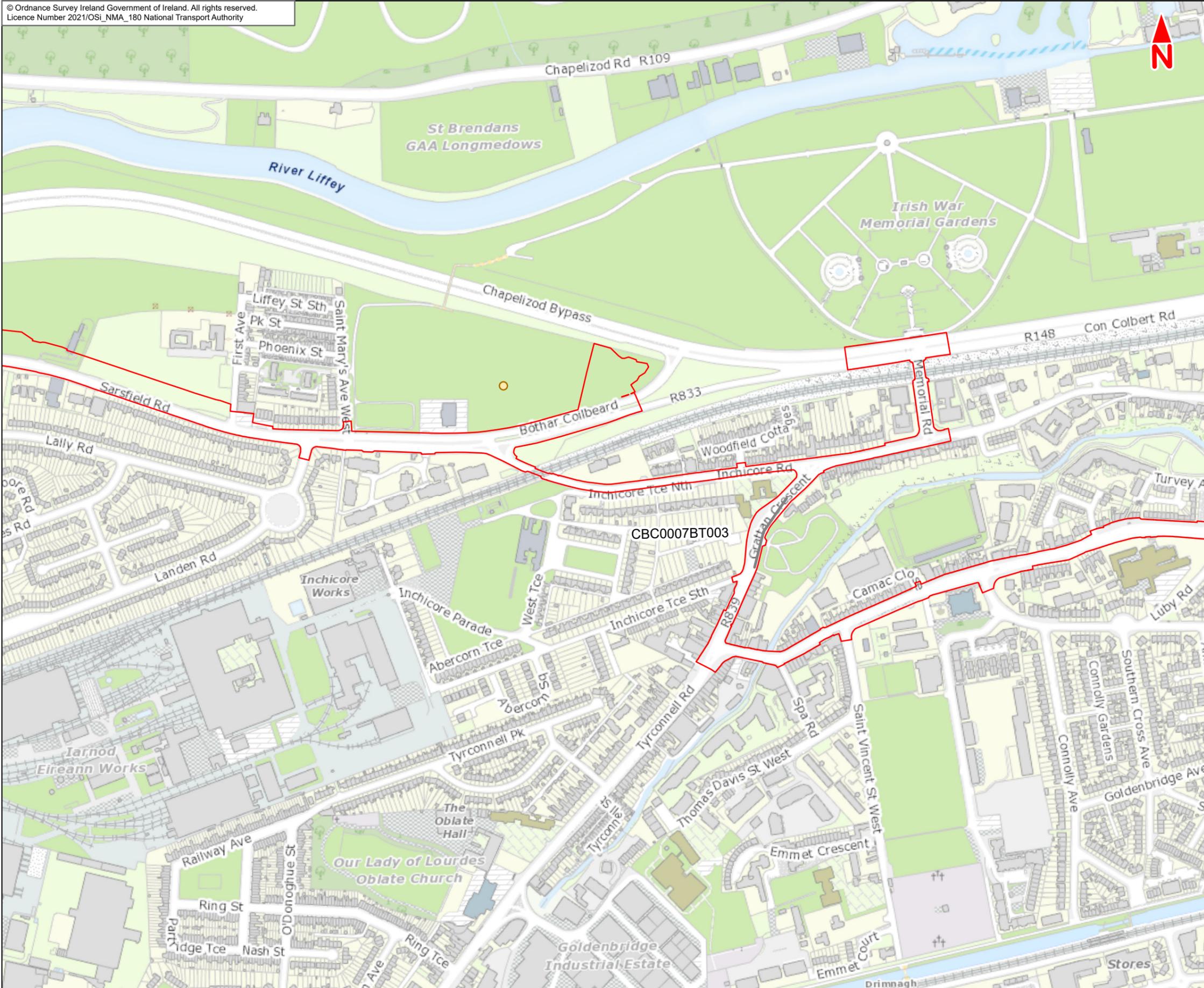
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Client <b>NTA</b> Udarás Náisiúnta Iompair National Transport Authority		Consultant <b>JACOBS</b> <b>ARUP SYSTRA</b>		
Date 5/25/2022	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

Programme Title <b>BUSCONNECTS DUBLIN</b> <b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Liffey Valley to City Centre Core Bus Corridor Scheme Figure 12.7.1 Bat Survey Results: Bat Activity Survey Results				
Drawing File Name BCIDE-JAC-ENV BD-0007_XX_00-DR-GG-0403	Sheet Number 3 of 6	Status A	Rev M01	



- Legend :**
- Liffey Valley to City Centre Core Bus Corridor Scheme
  - Bat Survey Transects
  - Bat Species**
  - *Nyctalus leisleri*

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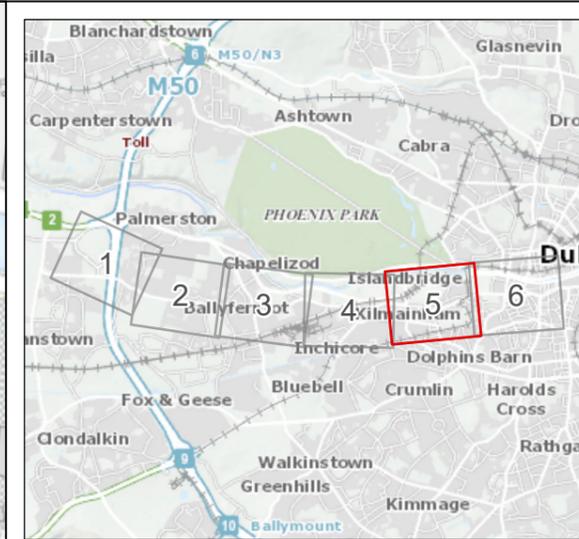
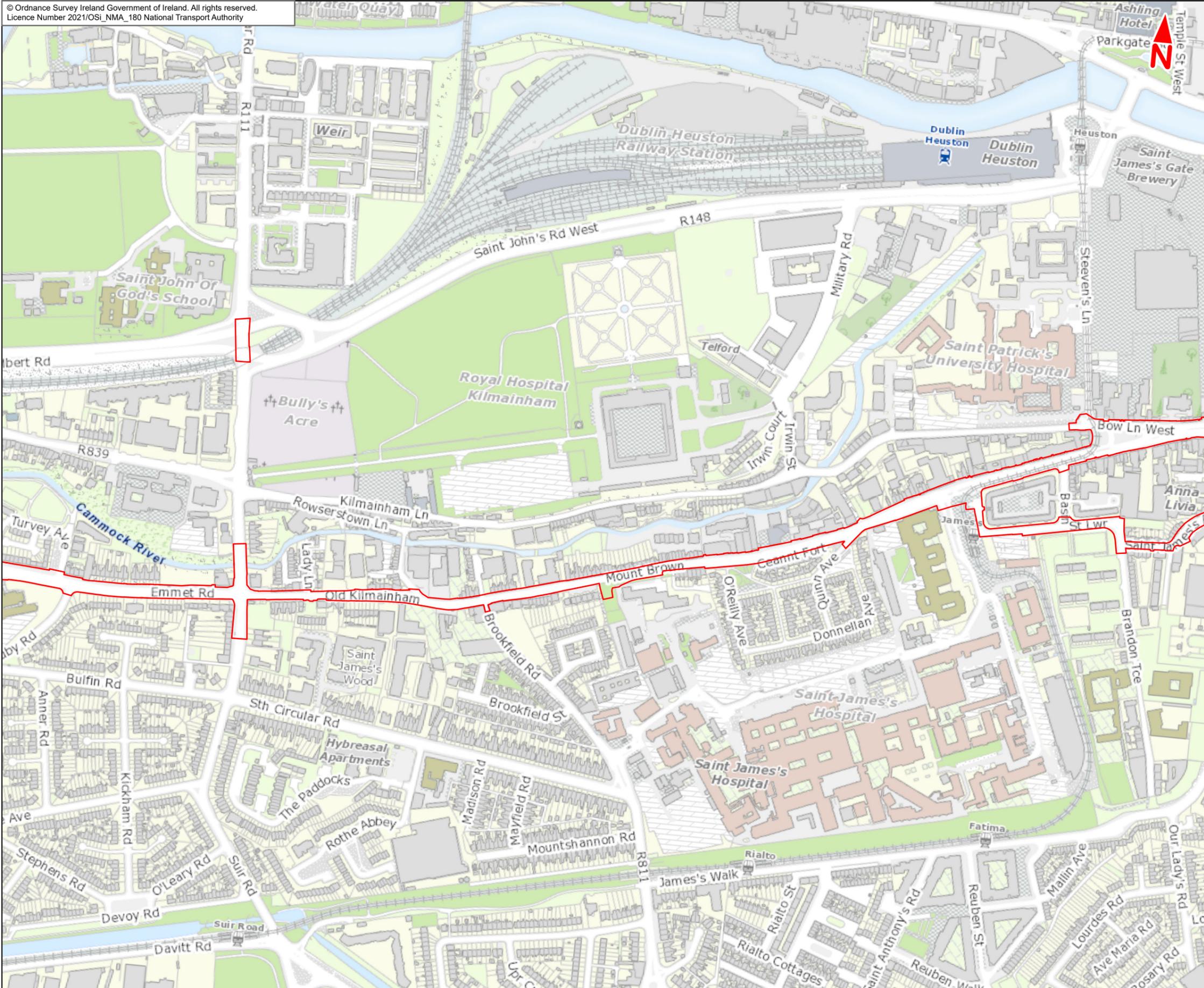


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Client  
**NTA**  
Udarás Náisiúnta Iompair  
National Transport Authority

Consultant  
**JACOBS ARUP SYSTRA**

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Liffey Valley to City Centre Core Bus Corridor Scheme Figure 12.7.1 Bat Survey Results: Bat Activity Survey Results				
Date 5/25/2022	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code	Sheet Number 4 of 6	Status A
Drawing File Name BCIDE-JAC-ENV BD-0007_XX_00-DR-GG-0404	Rev M01			



**Legend :**  
 Liffey Valley to City Centre Core Bus Corridor Scheme

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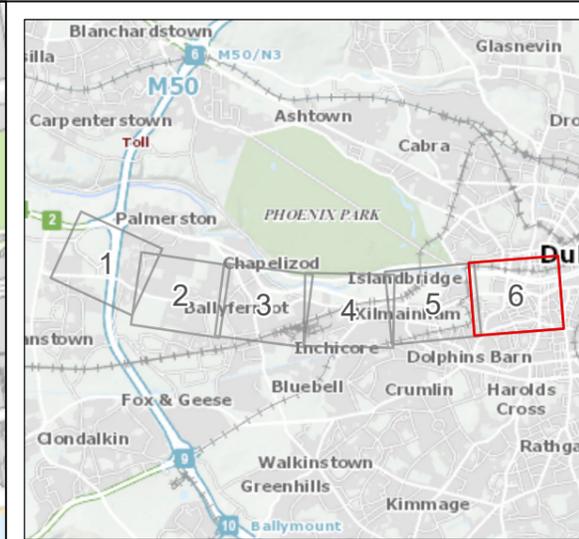
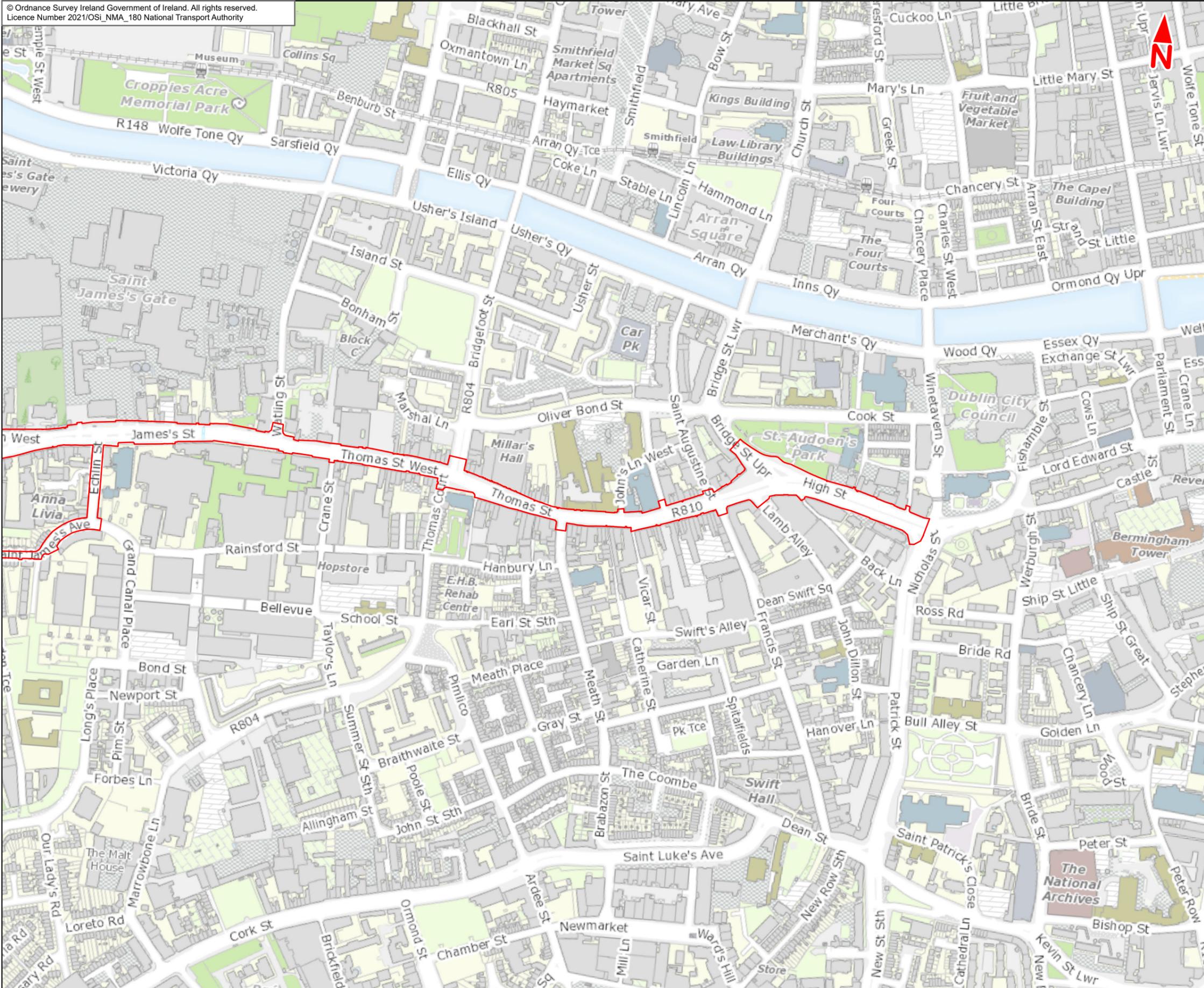
Rev	Date	Drn	Chk'd	App'd	Description
M01	May 2022	EK	PW	DK	ISSUE FOR PHASE 4 : PLANNING

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

Consultant: **JACOBS ARUP SYSTRA**

Date: 5/25/2022 Scale @ A3: 1:5 000  
 Drawn: EK Checked: PW Approved: DK  
 Project Code: BCIDE Originator Code: JAC QMS Code:

Programme Title	<b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>		
Drawing Title	Liffey Valley to City Centre Core Bus Corridor Scheme Figure 12.7.1 Bat Survey Results: Bat Activity Survey Results		
Drawing File Name	BCIDE-JAC-ENV BD-0007_XX_00-DR-GG-0405	Sheet Number	5 of 6
Status	A	Rev	M01



**Legend :**  
 Liffey Valley to City Centre Core Bus Corridor Scheme

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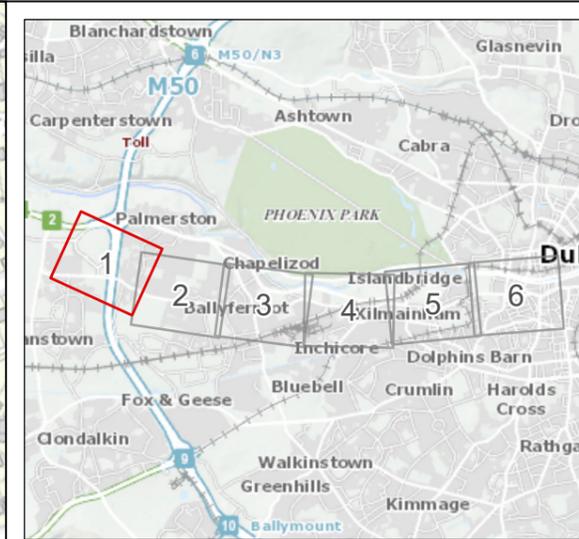
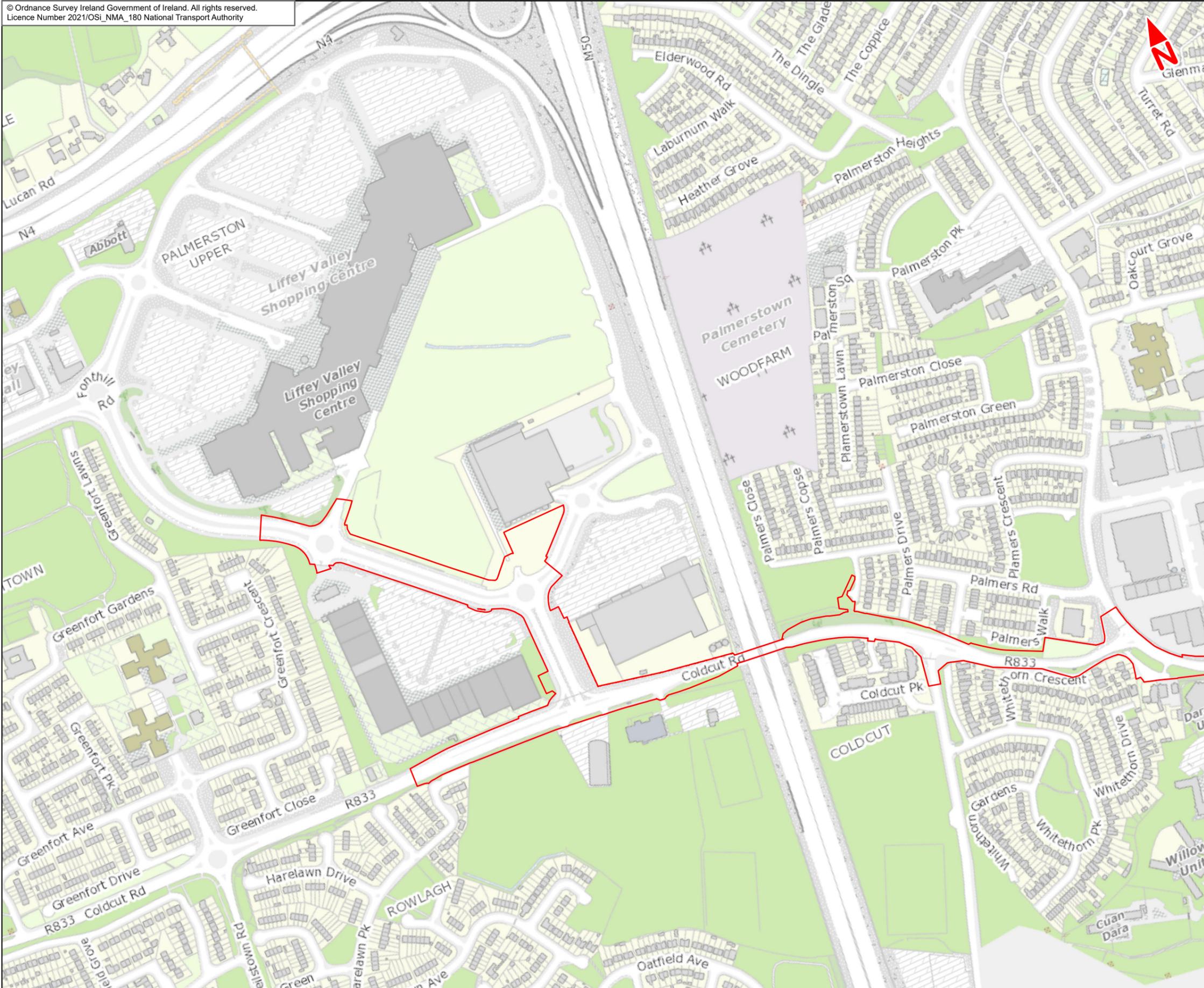
Consultant  
**JACOBS**  
**ARUP SYSTRA**

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title Liffey Valley to City Centre Core Bus Corridor Scheme Figure 12.7.1 Bat Survey Results: Bat Activity Survey Results			
Date 5/25/2022	Scale @ A3 1:5 000	Drawn EK	Checked PW
Project Code BCIDE	Originator Code JAC	Approved DK	QMS Code
Drawing File Name BCIDE-JAC-ENV BD-007 XX 00-DR-GG-0406	Sheet Number 6 of 6	Status A	Rev M01

## 12.7.2

### Bat Survey Results: Potential Roost Feature Survey Results





**Legend :**  
 Liffey Valley to City Centre  
 Core Bus Corridor Scheme

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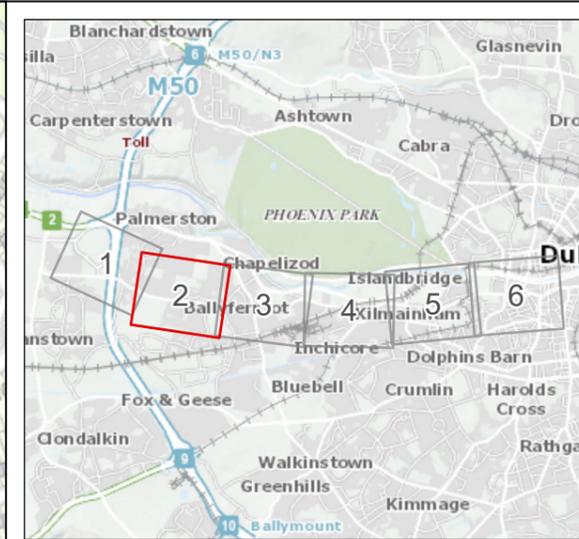
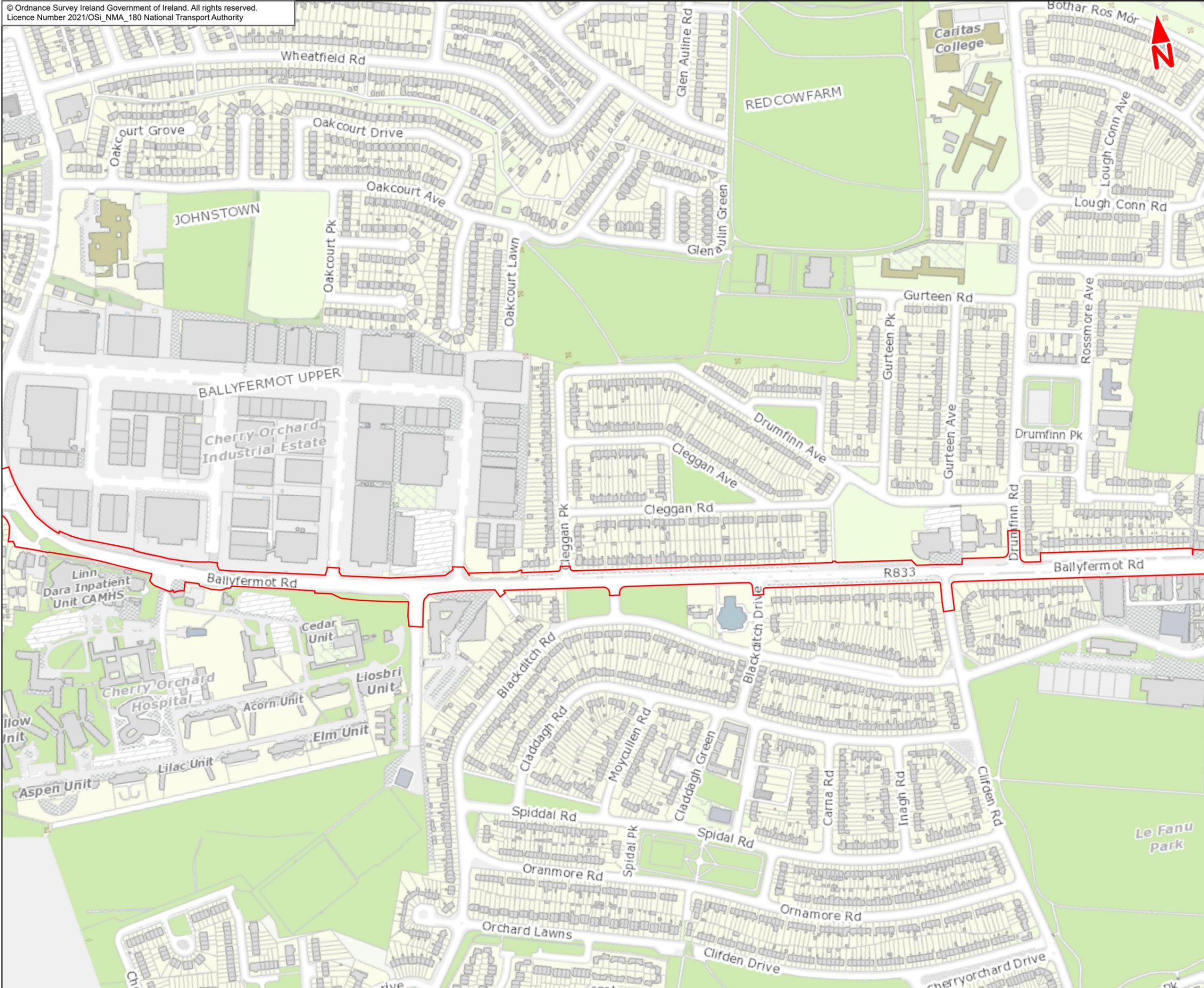
Rev	Date	Drn	Chk'd	App'd	Description
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Client  
**NTA**  
 Udarás Náisiúnta Iompair  
 National Transport Authority

Consultant  
**JACOBS**  
**ARUP SYSTRA**

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Liffey Valley to City Centre Core Bus Corridor Scheme Figure 12.7.2 Bat Survey Results: Potential Roost Feature Survey Results				
Drawing File Name BCIDE-JAC-ENV BD-007 XX 00-DR-GG-0501	Sheet Number 1 of 6	Status A	Rev M01	

Date 5/26/2022	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		



**Legend :**  
 Liffey Valley to City Centre Core Bus Corridor Scheme

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 Building Ireland's Future

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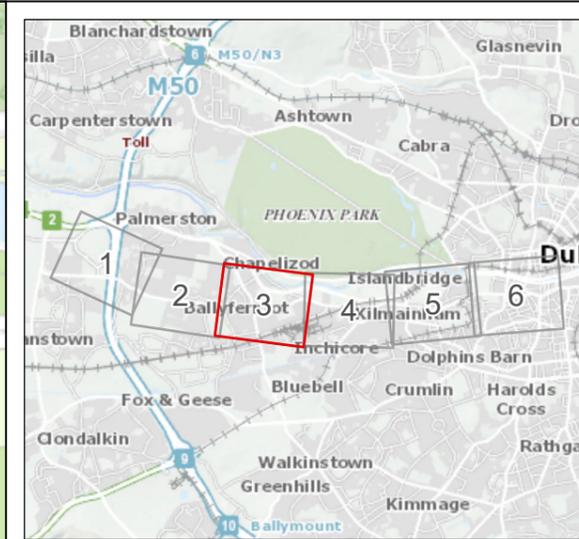
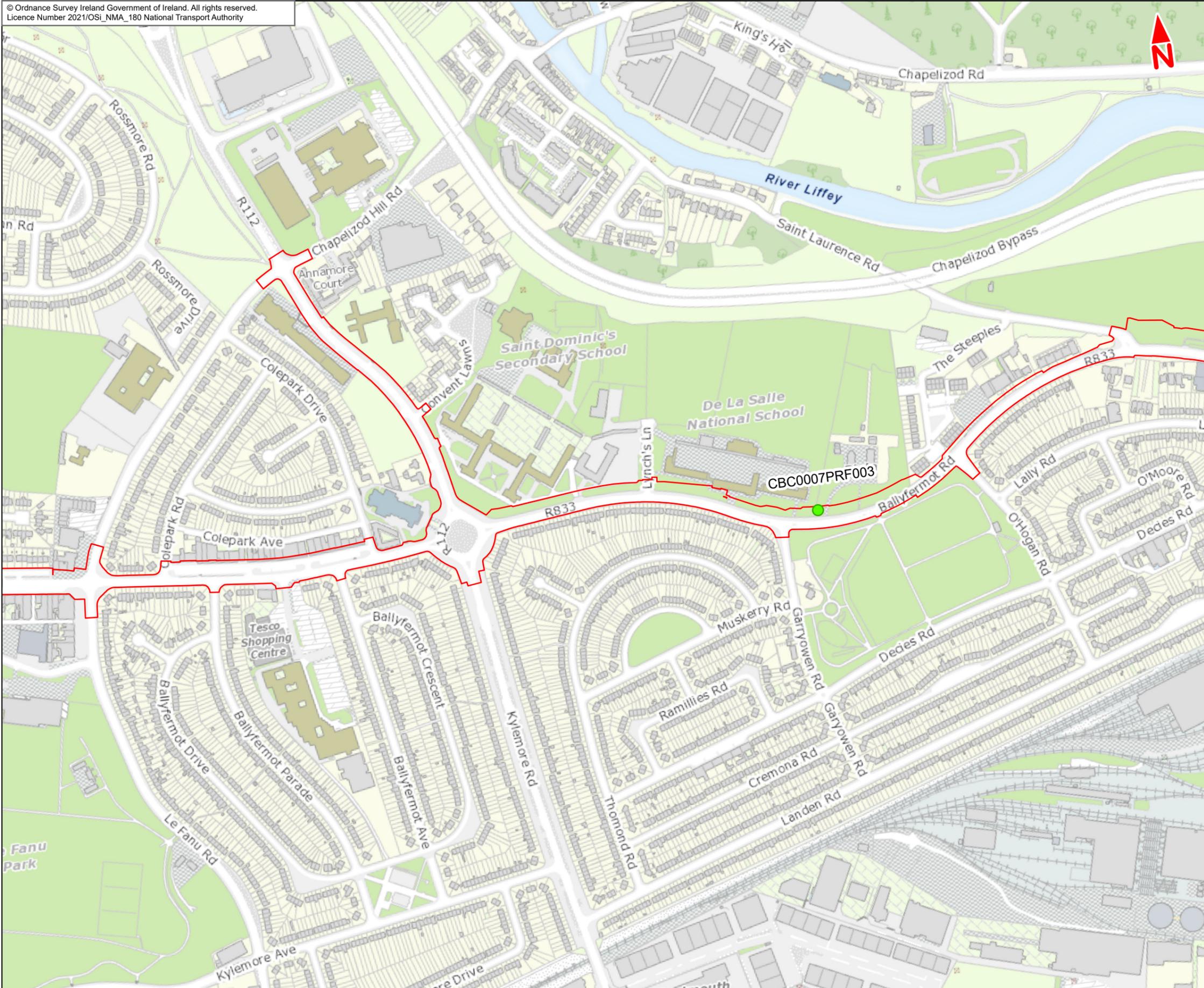
Date: 5/26/2022  
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Project Code: BCIDE  
 Originator Code: JAC

Consultant: **JACOBS ARUP SYSTRA**

Drawn: EK  
 Checked: PW  
 Approved: DK

Programme Title: <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title: Liffey Valley to City Centre Core Bus Corridor Scheme Figure 12.7.2 Bat Survey Results: Potential Roost Feature Survey Results			
Drawing File Name: BCIDE-JAC-ENV BD-007 XX 00-DR-GG-0502	Sheet Number: 2 of 6	Status: A	Rev: M01



- Legend :**
- Liffey Valley to City Centre Core Bus Corridor Scheme
  - Potential Roost Features

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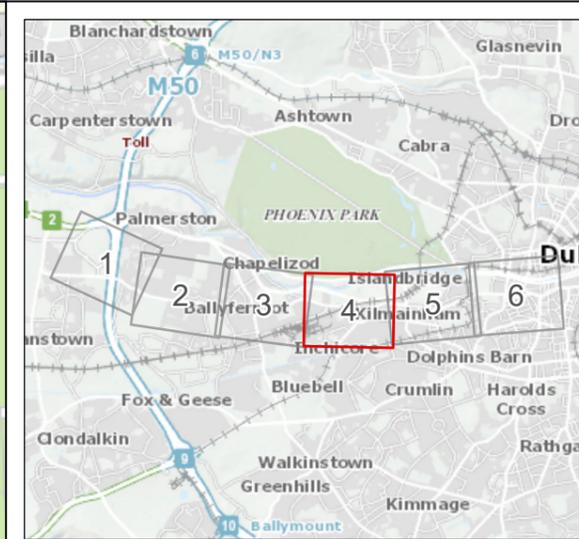
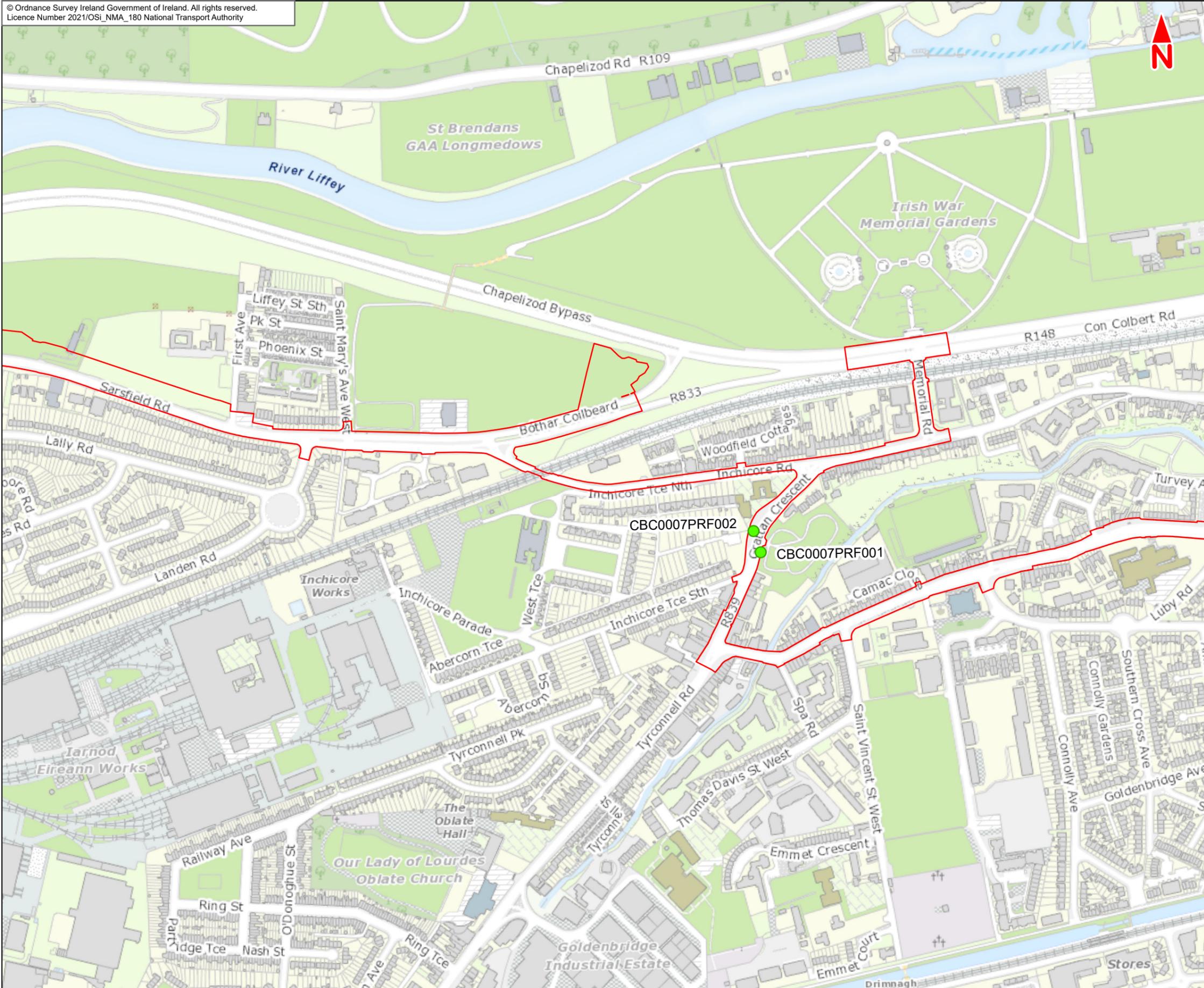
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Client <b>NTA</b> Udarás Náisiúnta Iompair National Transport Authority		Consultant <b>JACOBS</b> <b>ARUP SYSTRA</b>		
Date 5/26/2022	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

Programme Title <b>BUSCONNECTS DUBLIN</b> <b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Liffey Valley to City Centre Core Bus Corridor Scheme Figure 12.7.2 Bat Survey Results: Potential Roost Feature Survey Results				
Drawing File Name BCIDE-JAC-ENV BD-0007_XX_00-DR-GG-0503	Sheet Number 3 of 6	Status A	Rev M01	



- Legend :**
- Liffey Valley to City Centre Core Bus Corridor Scheme
  - Potential Roost Features

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National Transport Authority

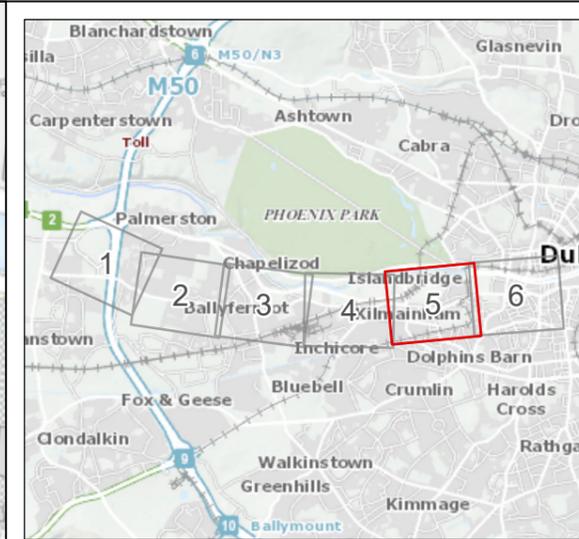
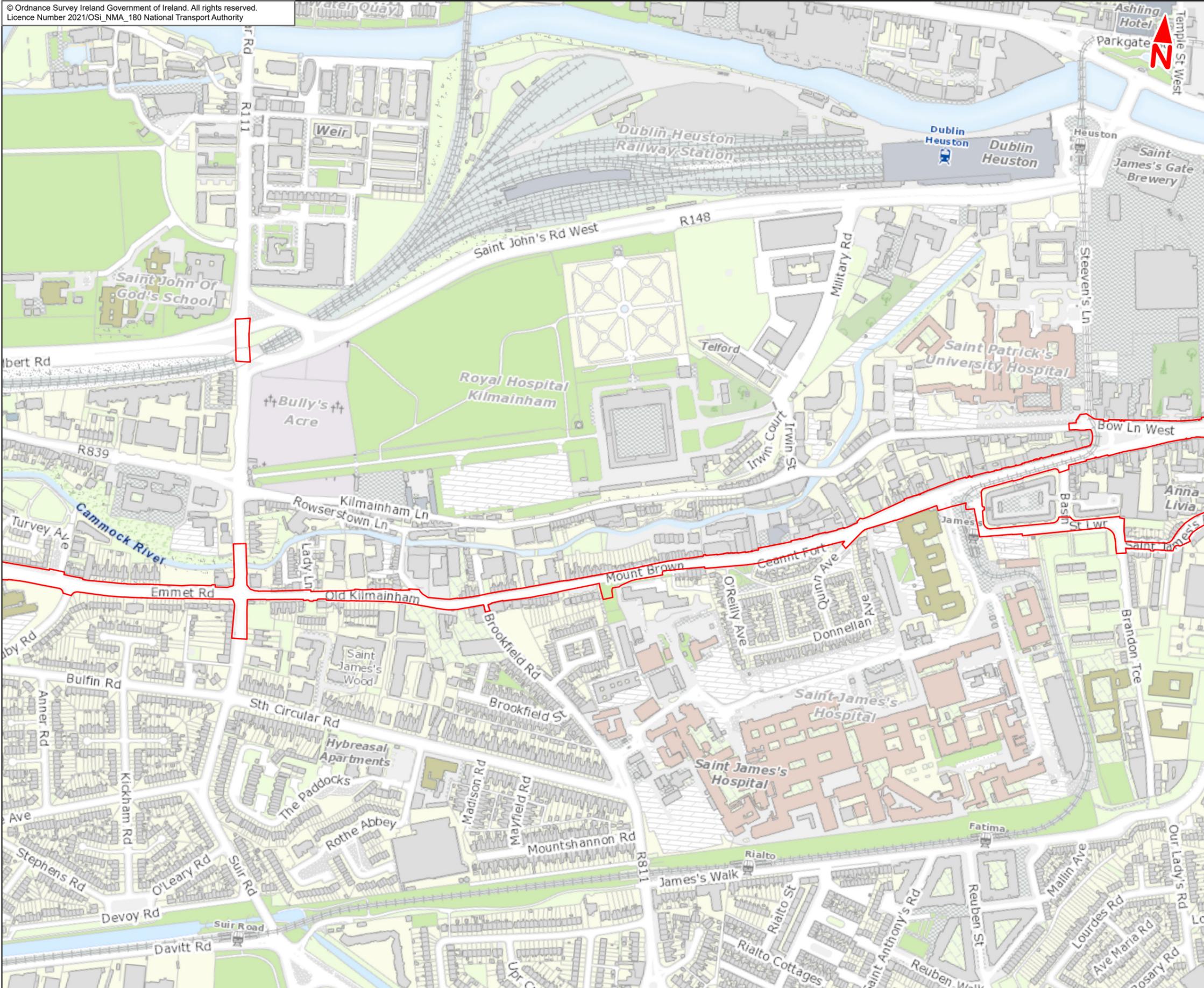
Consultant: **JACOBS ARUP SYSTRA**

Date: 5/26/2022  
Scale @ A3: 1:5 000

Project Code: BCIDE  
Originator Code: JAC

Drawn: EK  
Checked: PW  
Approved: DK

Programme Title: <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title: Liffey Valley to City Centre Core Bus Corridor Scheme Figure 12.7.2 Bat Survey Results: Potential Roost Feature Survey Results			
Drawing File Name: BCIDE-JAC-ENV BD-007 XX 00-DR-GG-0504	Sheet Number: 4 of 6	Status: A	Rev: M01



**Legend :**  
 Liffey Valley to City Centre Core Bus Corridor Scheme

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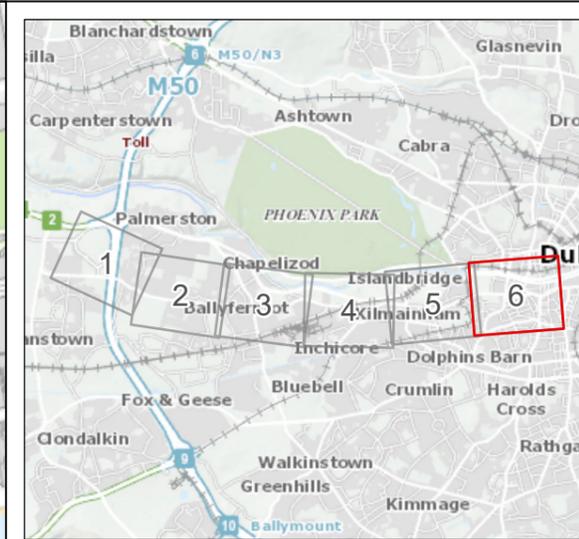
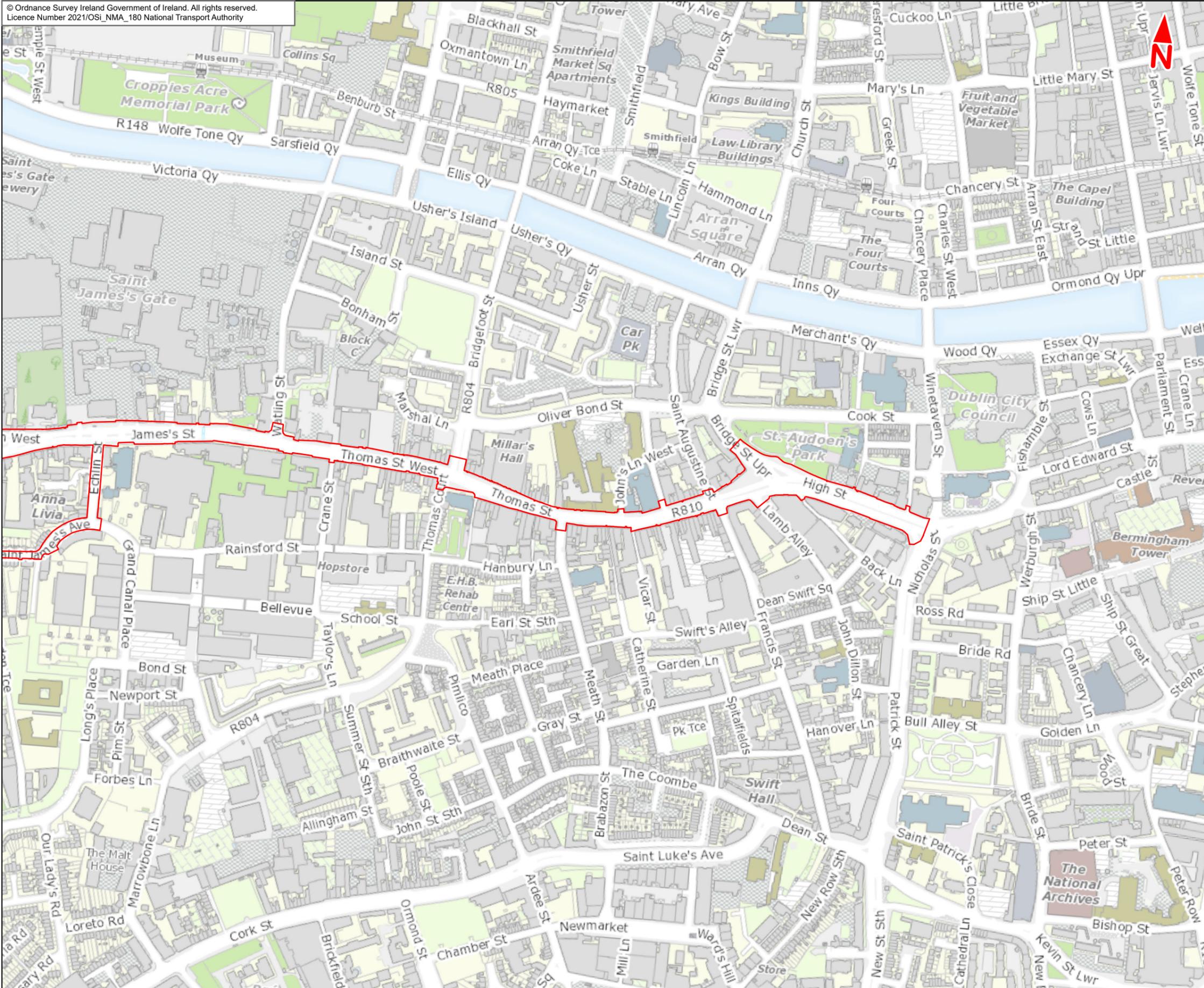
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M01	May 2022	EK	PW	DK	ISSUE FOR PHASE 4 : PLANNING

Client  
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Consultant  
**JACOBS**  
**ARUP SYSTRA**

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title Liffey Valley to City Centre Core Bus Corridor Scheme Figure 12.7.2 Bat Survey Results: Potential Roost Feature Survey Results			
Drawing File Name BCIDE-JAC-ENV BD-0007_XX_00-DR-GG-0505	Sheet Number 5 of 6	Status A	Rev M01

Date 5/26/2022	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		



**Legend :**  
 Liffey Valley to City Centre Core Bus Corridor Scheme

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National Transport Authority

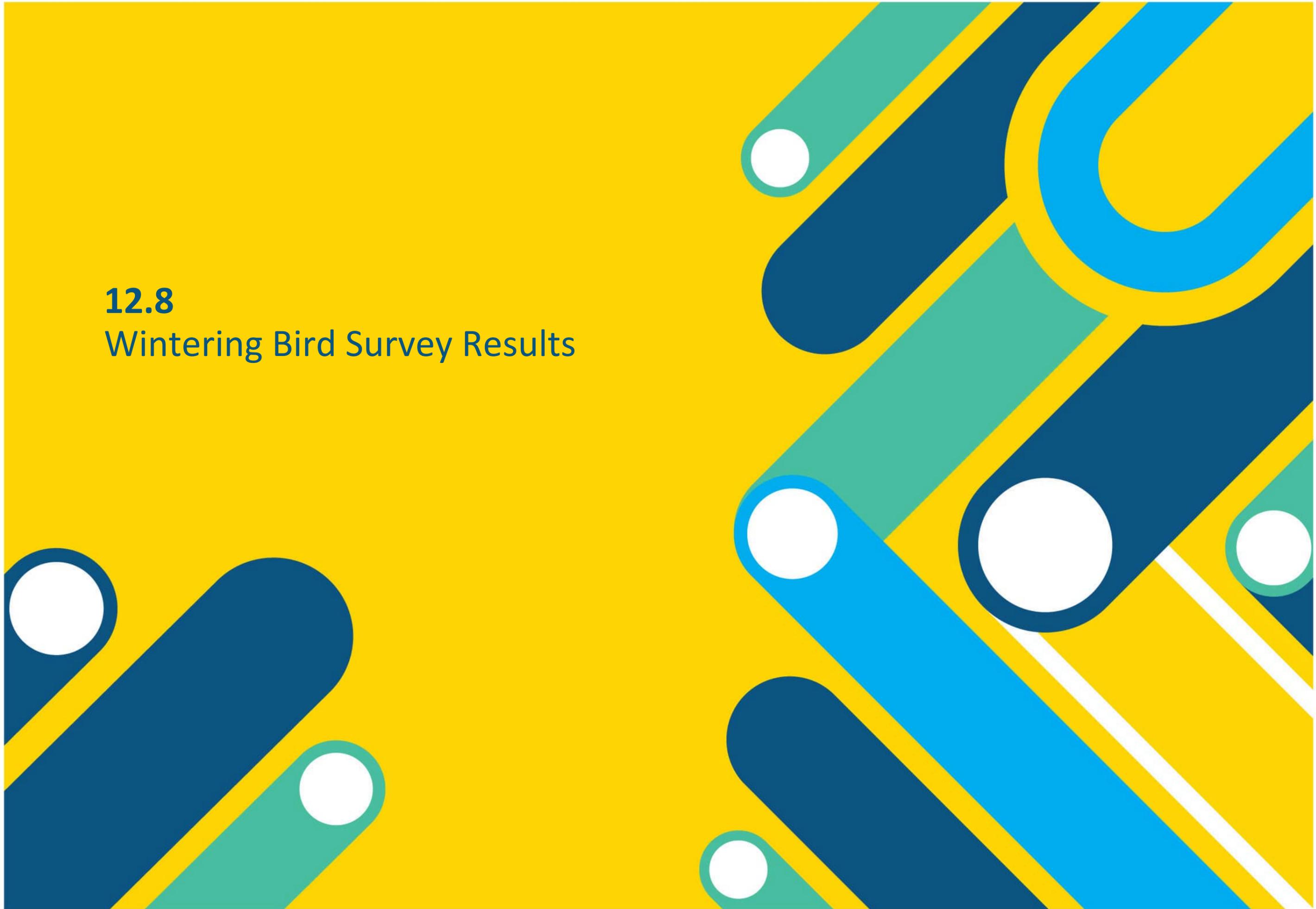
Consultant: **JACOBS ARUP SYSTRA**

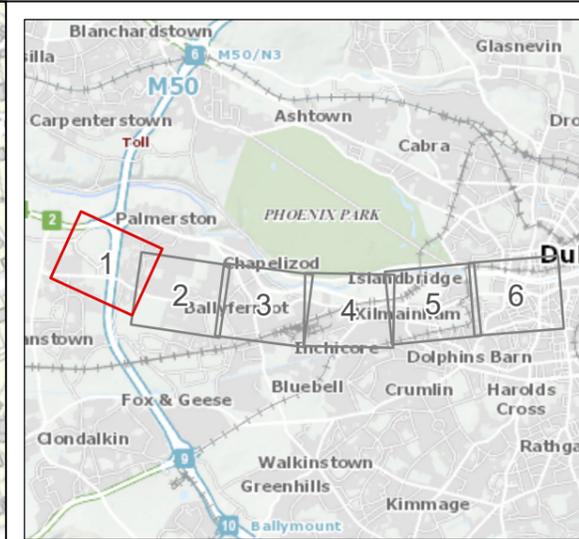
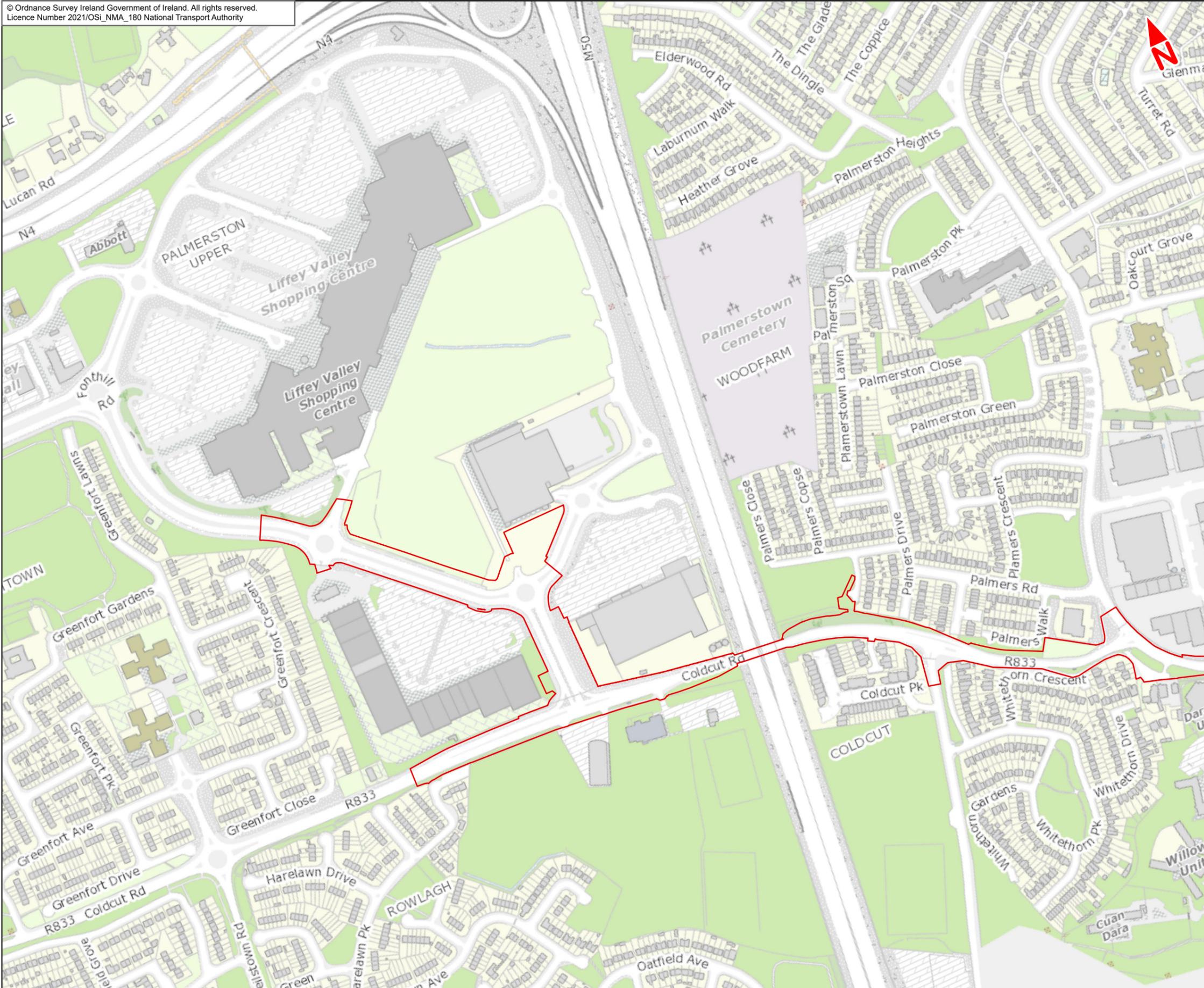
Date: 5/26/2022 Scale @ A3: 1:5 000  
 Drawn: EK Checked: PW Approved: DK  
 Project Code: BCIDE Originator Code: JAC QMS Code:

Programme Title: <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title: Liffey Valley to City Centre Core Bus Corridor Scheme Figure 12.7.2 Bat Survey Results: Potential Roost Feature Survey Results			
Drawing File Name: BCIDE-JAC-ENV BD-0007_XX_00-DR-GG-0506	Sheet Number: 6 of 6	Status: A	Rev: M01

## 12.8

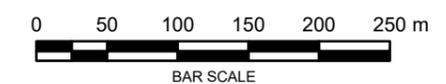
### Wintering Bird Survey Results





**Legend :**  
 Liffey Valley to City Centre Core Bus Corridor Scheme

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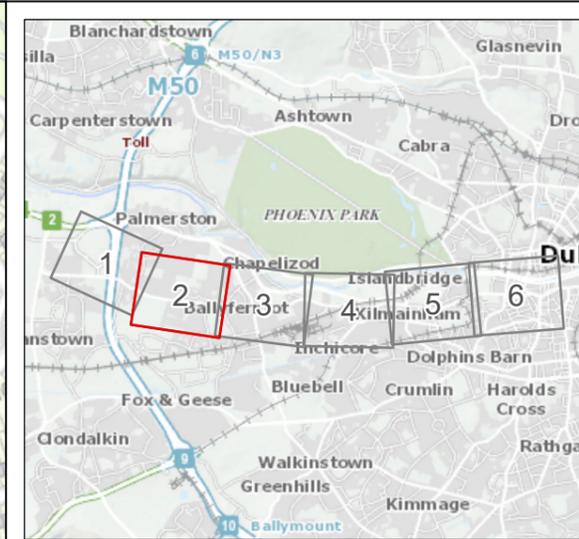
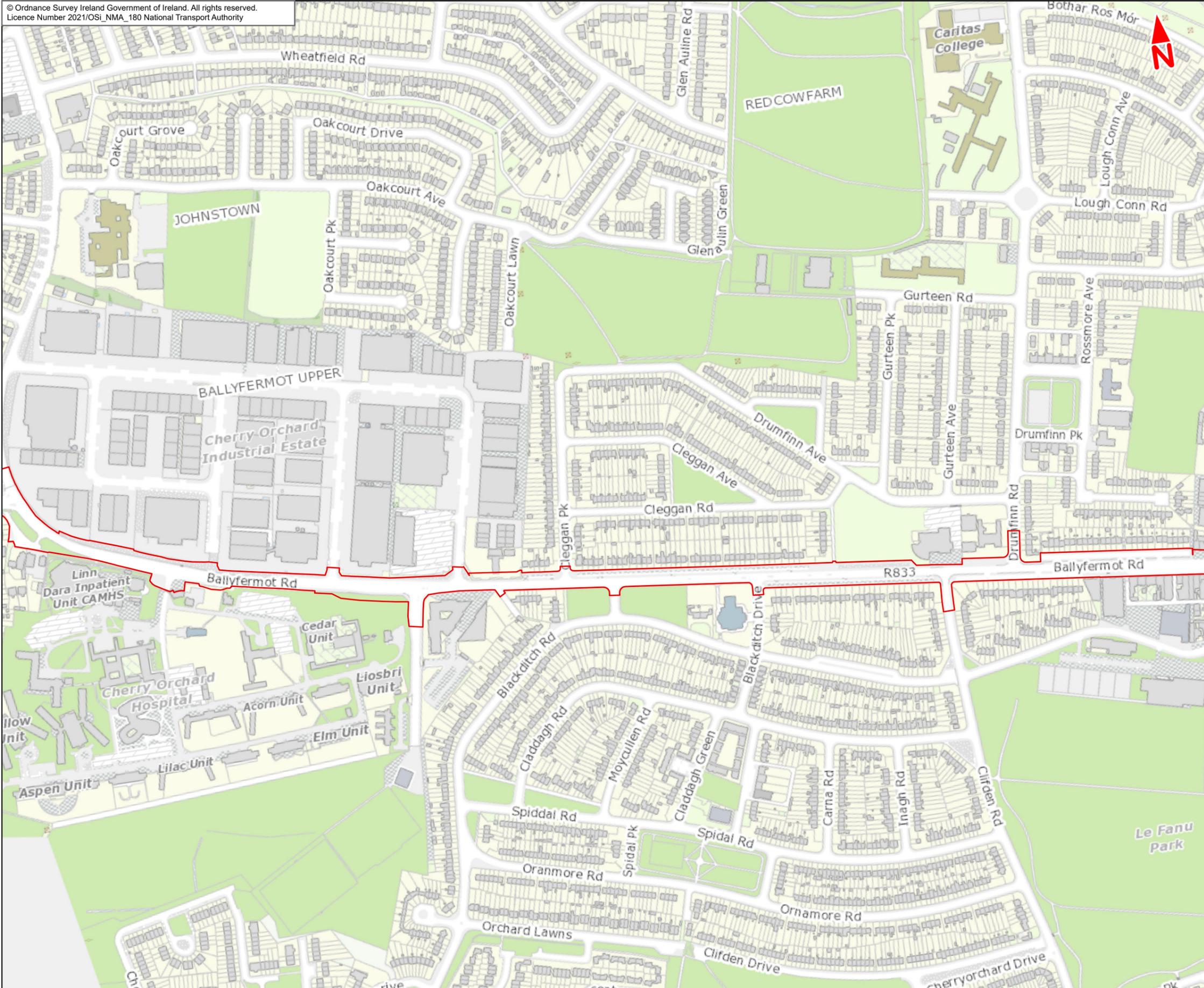
Rev	Date	Drn	Chk'd	App'd	Description
M01	May 2022	EK	PW	DK	ISSUE FOR PHASE 4 : PLANNING

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

Consultant  
**JACOBS**  
**ARUP SYSTRA**

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Liffey Valley to City Centre Core Bus Corridor Scheme Figure 12.8 Wintering Bird Survey Results				
Drawing File Name BCIDE-JAC-ENV BD-007 XX 00-DR-GG-0601	Sheet Number 1 of 6	Status A	Rev M01	

Date 5/25/2022	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		



**Legend :**  
 Liffey Valley to City Centre Core Bus Corridor Scheme

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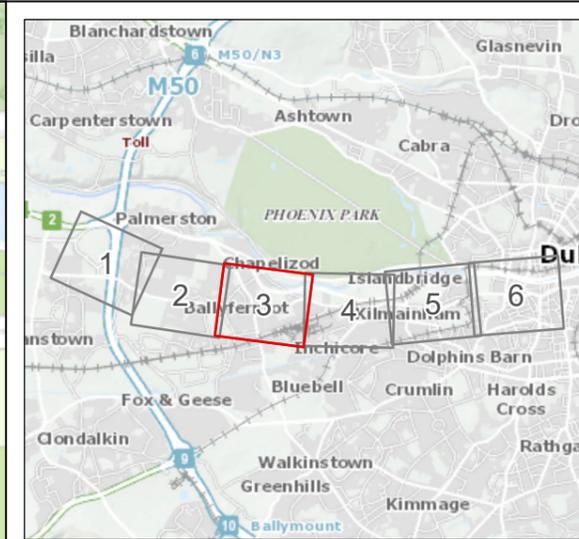
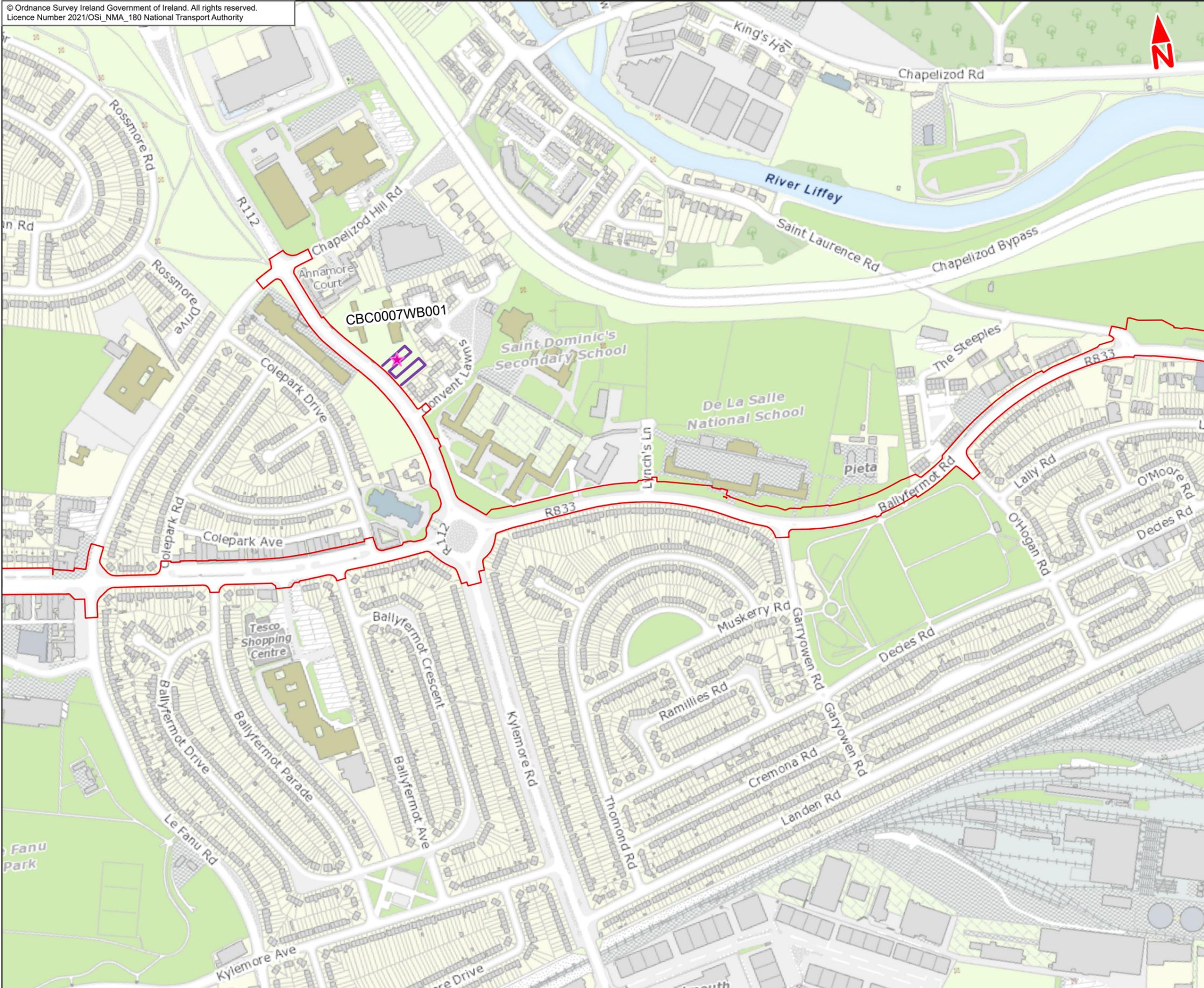
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Client  
**NTA**  
 Udarás Náisiúnta Iompair  
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Consultant  
**JACOBS**  
**ARUP SYSTRA**

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Liffey Valley to City Centre Core Bus Corridor Scheme Figure 12.8 Wintering Bird Survey Results				
Drawing File Name BCIDE-JAC-ENV BD-007 XX 00-DR-GG-0602	Sheet Number 2 of 6	Status A	Rev M01	

Date 5/25/2022	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		



- Legend :**
- Liffey Valley to City Centre Core Bus Corridor Scheme
  - Winter Bird Survey Transects
- BoCCI Amber List Bird Species**
- ★ Herring gull

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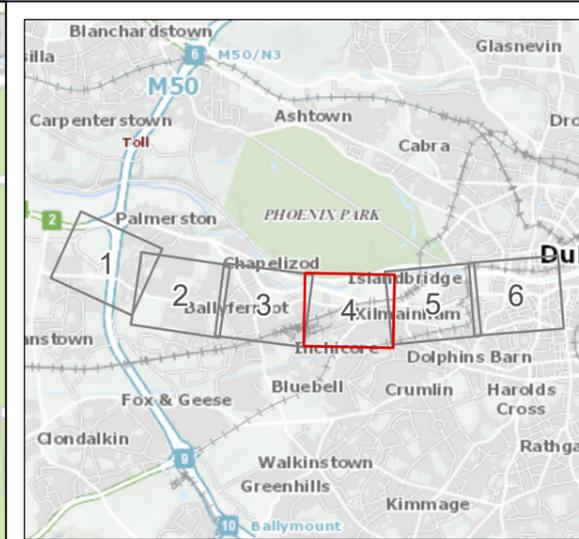
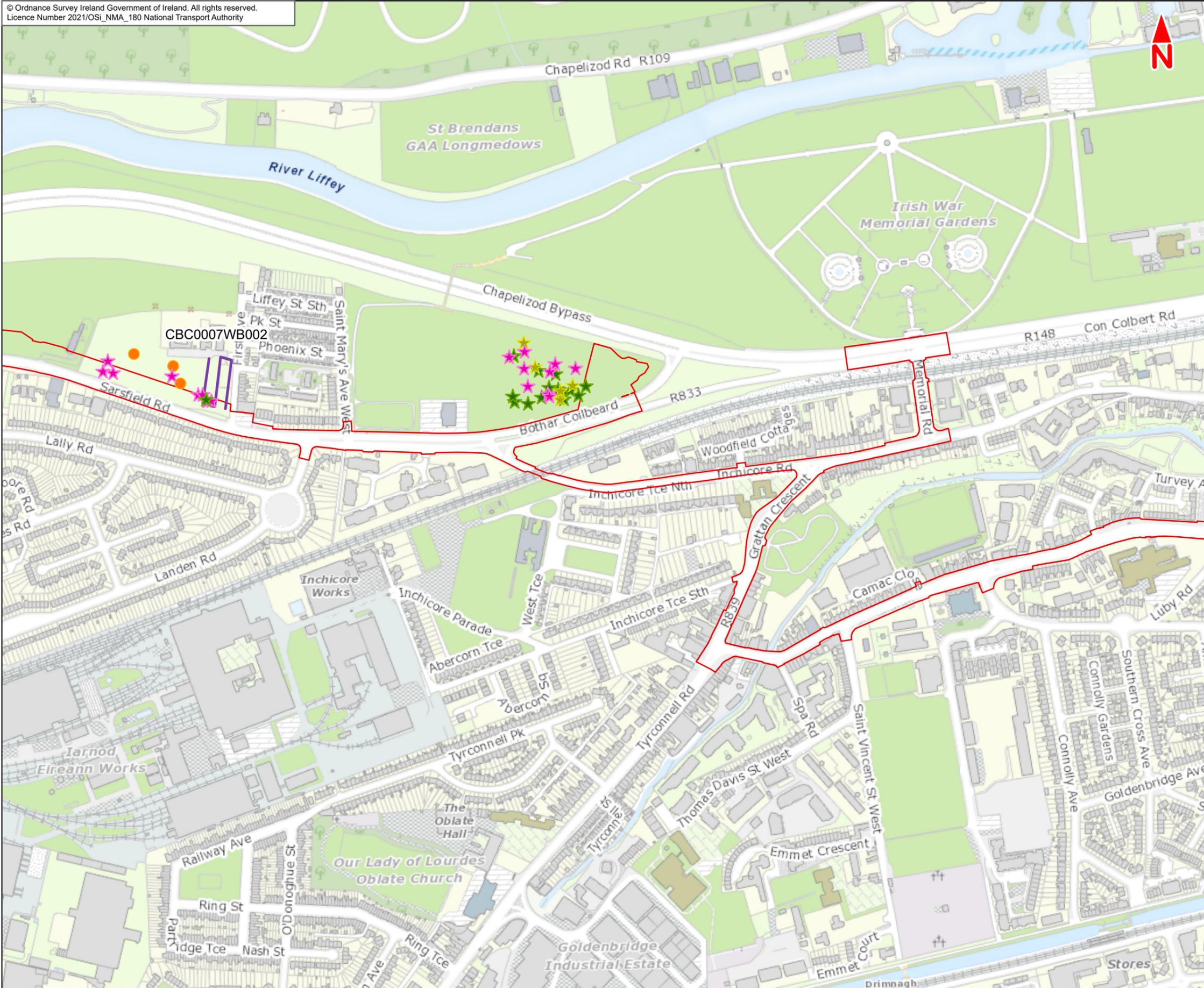
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Client <b>NTA</b> Udarás Náisiúnta Iompair National Transport Authority		Consultant <b>JACOBS</b> <b>ARUP SYSTRA</b>		
Date 5/25/2022	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

Programme Title <b>BUSCONNECTS DUBLIN</b> <b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Liffey Valley to City Centre Core Bus Corridor Scheme Figure 12.8 Wintering Bird Survey Results				
Drawing File Name BCIDE-JAC-ENV_BD-0007_XX_00-DR-GG-0603	Sheet Number 3 of 6	Status A	Rev M01	



- Legend :**
- Liffey Valley to City Centre Core Bus Corridor Scheme
  - Winter Bird Survey Transects
- BoCCI Red List Bird Species**
- Meadow Pipit
- BoCCI Amber List Bird Species**
- ★ Black-headed gull
  - ★ Common gull
  - ★ Herring gull

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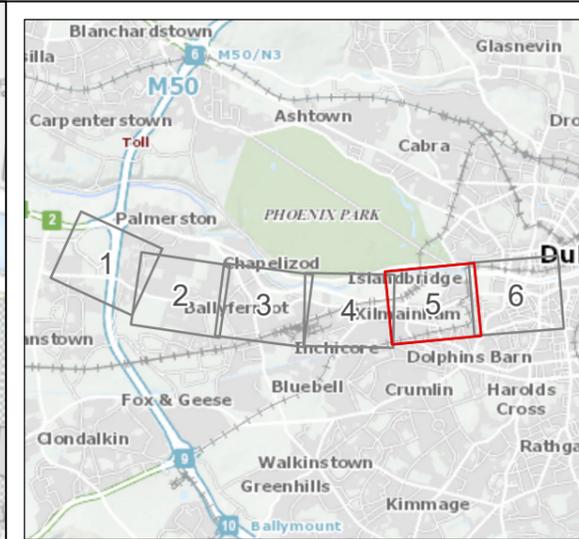
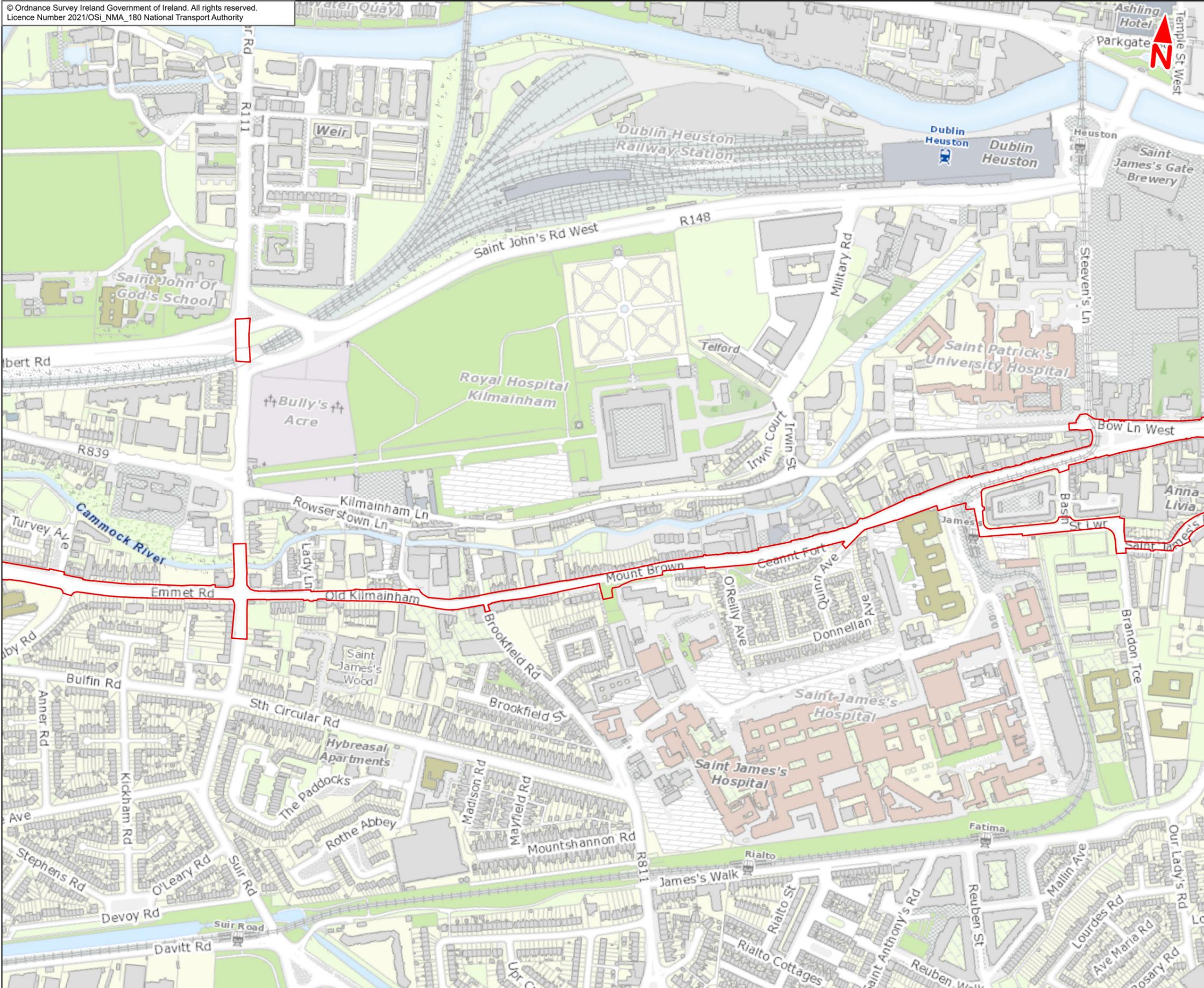
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**NTA**  
Udarás Náisiúnta Iompair  
National Transport Authority

Consultant  
**JACOBS ARUP SYSTRA**

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Liffey Valley to City Centre Core Bus Corridor Scheme Figure 12.8 Wintering Bird Survey Results				
Drawing File Name BCIDE-JAC-ENV BD-0007_XX_00-DR-GG-0604	Sheet Number 4 of 6	Status A	Rev M01	

Date 5/25/2022	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		



**Legend :**  
 Liffey Valley to City Centre Core Bus Corridor Scheme

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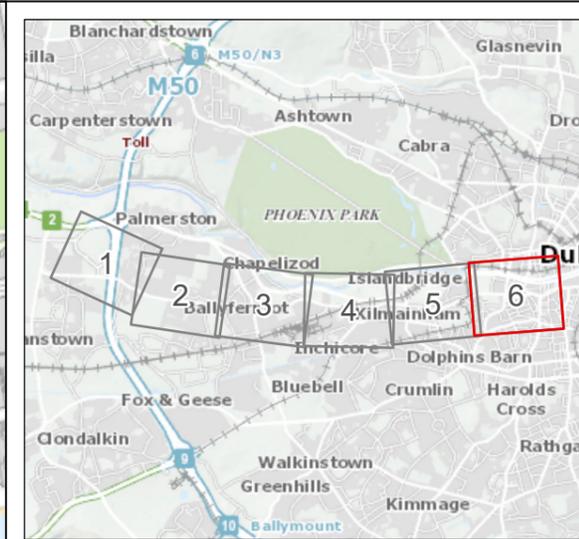
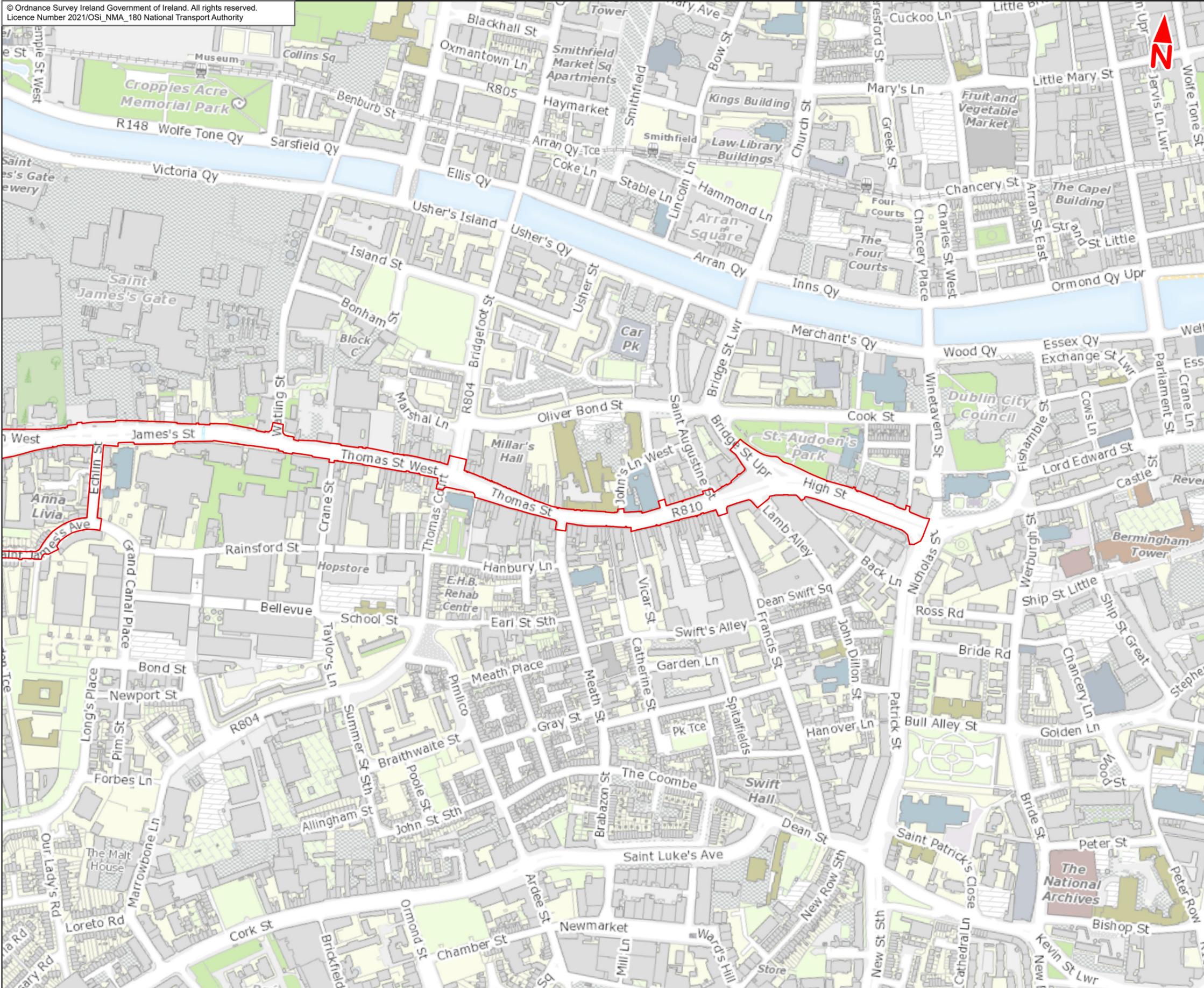
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Consultant: **JACOBS ARUP SYSTRA**

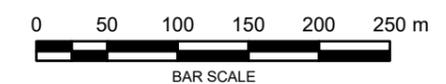
Date: 5/25/2022 Scale @ A3: 1:5 000  
 Drawn: EK Checked: PW Approved: DK  
 Project Code: BCIDE Originator Code: JAC QMS Code:

Programme Title	<b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>		
Drawing Title	Liffey Valley to City Centre Core Bus Corridor Scheme Figure 12.8 Wintering Bird Survey Results		
Drawing File Name	BCIDE-JAC-ENV BD-0007_XX_00-DR-GG-0605	Sheet Number	5 of 6
Status	A	Rev	M01



**Legend :**  
 Liffey Valley to City Centre  
 Core Bus Corridor Scheme

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**JACOBS**  
**ARUP SYSTRA**

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title Liffey Valley to City Centre Core Bus Corridor Scheme Figure 12.8 Wintering Bird Survey Results			
Drawing File Name BCIDE-JAC-ENV BD-007 XX 00-DR-GG-0606	Sheet Number 6 of 6	Status A	Rev M01

Date 5/25/2022	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
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