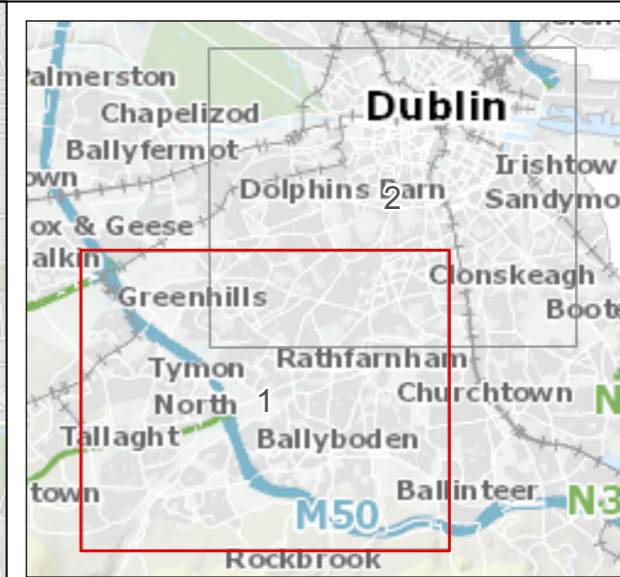
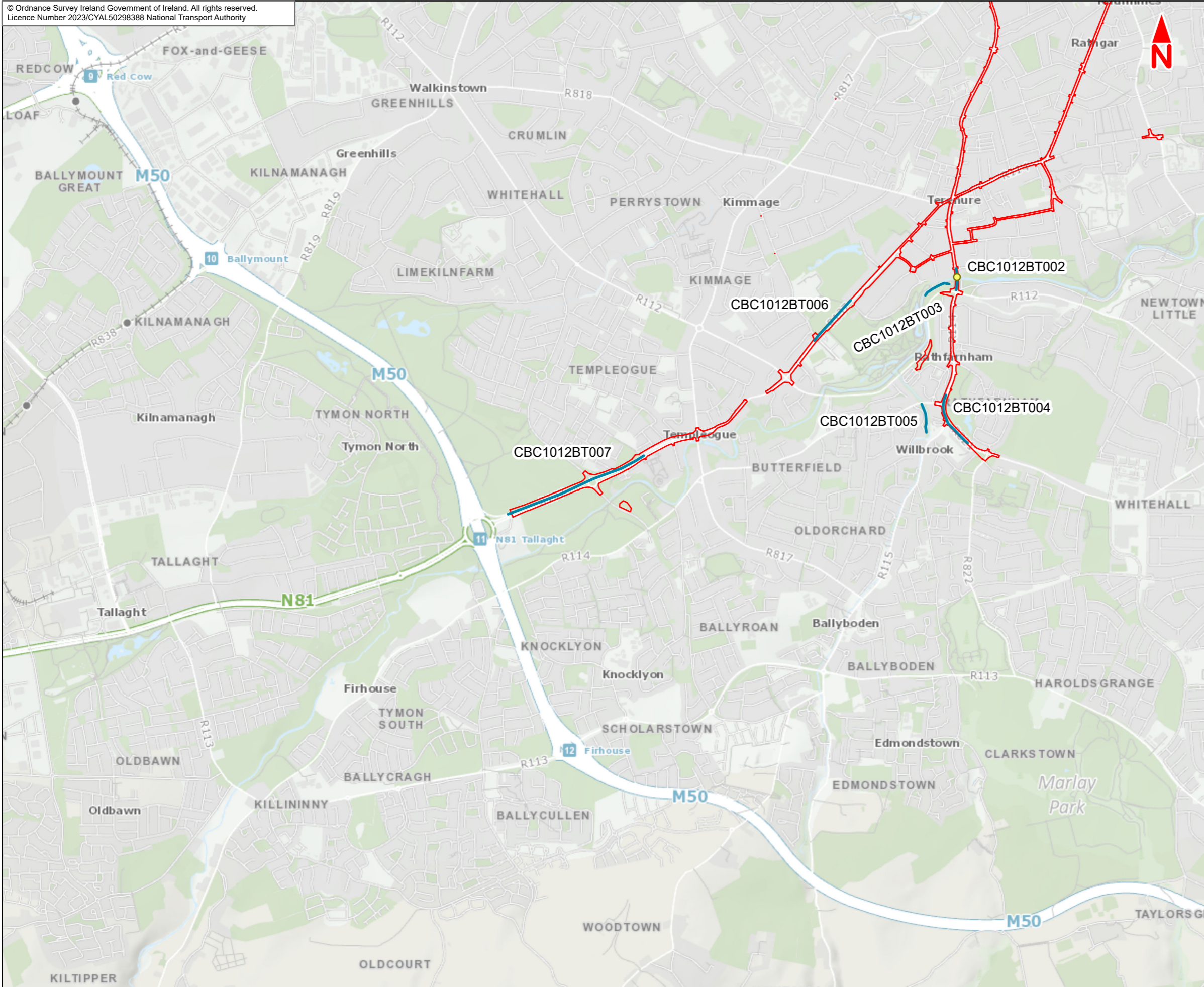


**Chapter 12**  
Biodiversity



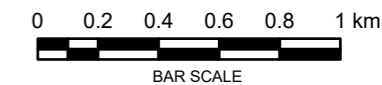


**12.1.1**  
Ecological Study Areas:  
Bat Activity Transect Routes



- Legend :**
- Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme
  - Bat Survey Transects
  - Building / Bridge Inspections

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Udarás Náisiúnta Iompair  
National Transport Authority

Consultant: **JACOBS ARUP SYSTRA**

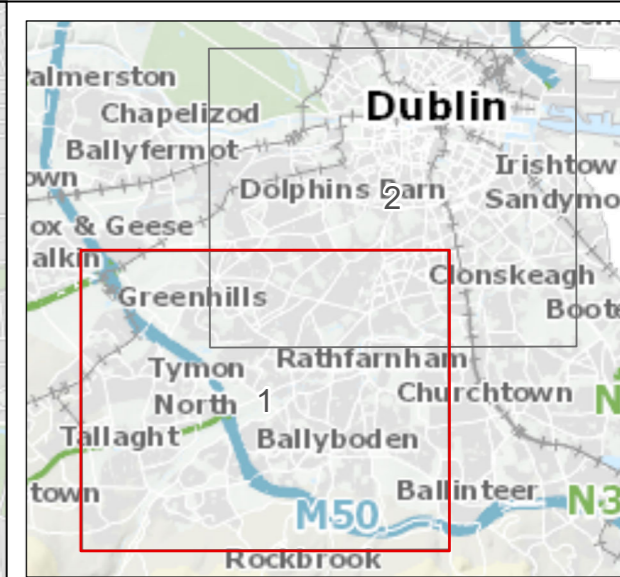
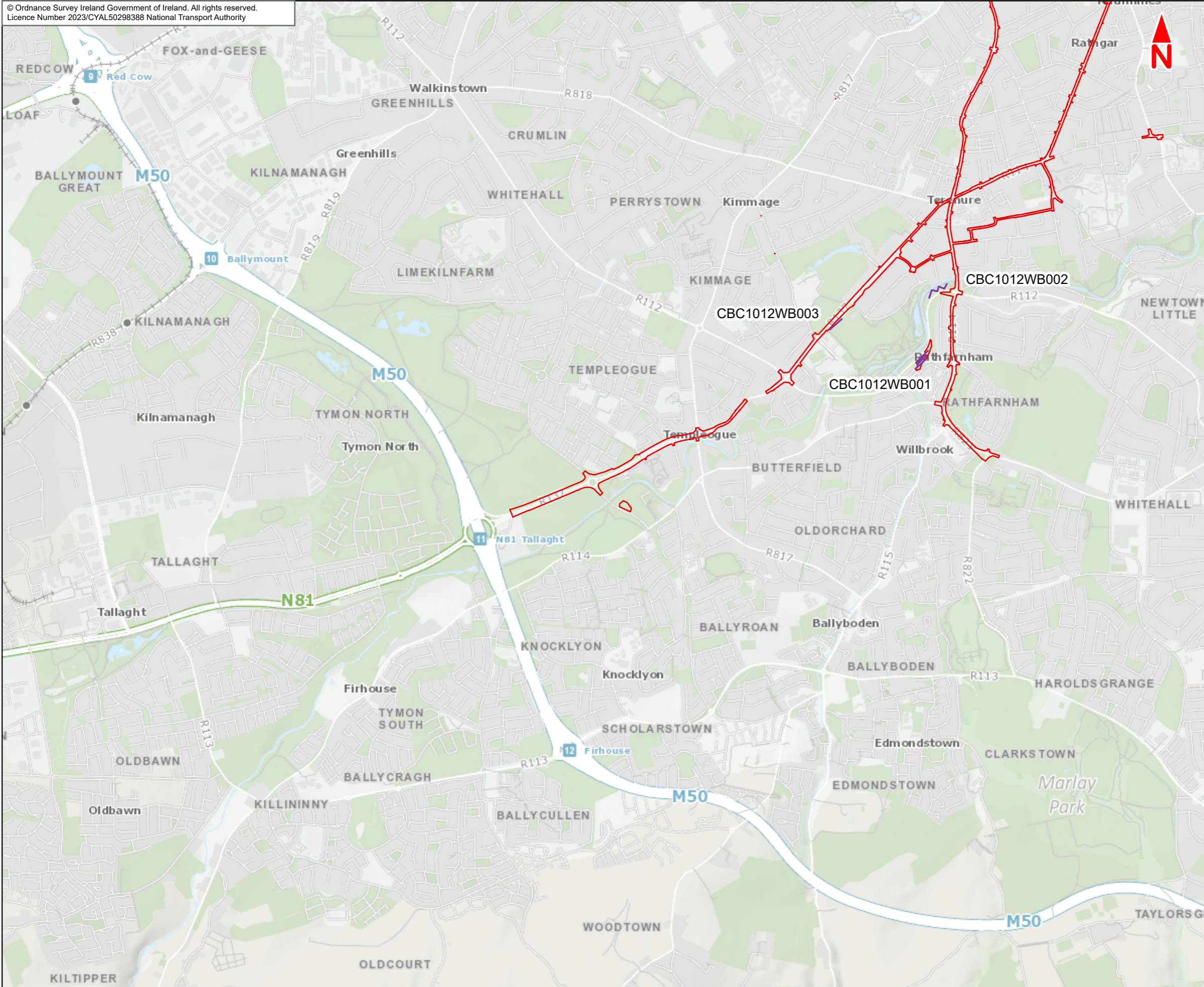
Date: 09/02/2023 | Scale @ A3: 1:25 000  
 Drawn: FC | Checked: PW | Approved: DK  
 Project Code: BCIDE | Originator Code: JAC

Programme Title: <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title: Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 12.1.1 Ecological Study Areas: Bat Activity Transect Routes and Building / Bridge Roost Feature Inspections			
Drawing File Name: BCIDE-JAC-ENV_BD-1012_XX_00-DR-GG-0101	Sheet Number: 1 of 2	Status: A	Rev: M01





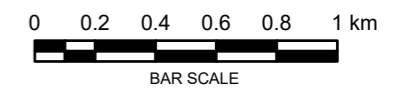
**12.1.2**  
Ecological Study Areas:  
Wintering Bird Transect Routes



**Legend :**

- Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme
- Wintering Bird Survey Transects

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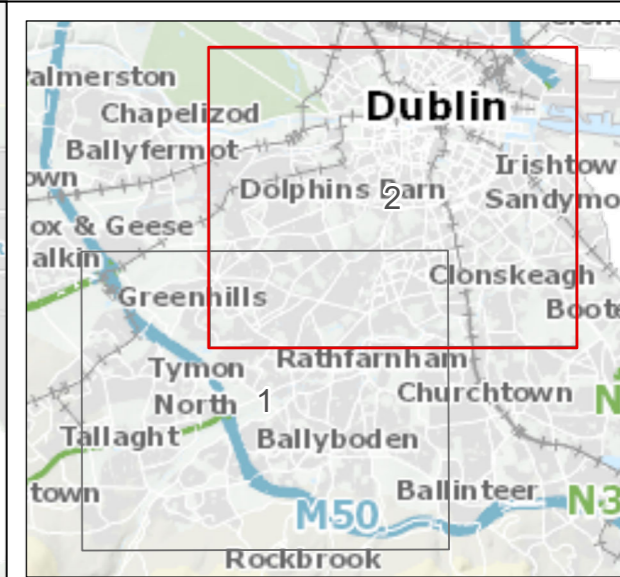
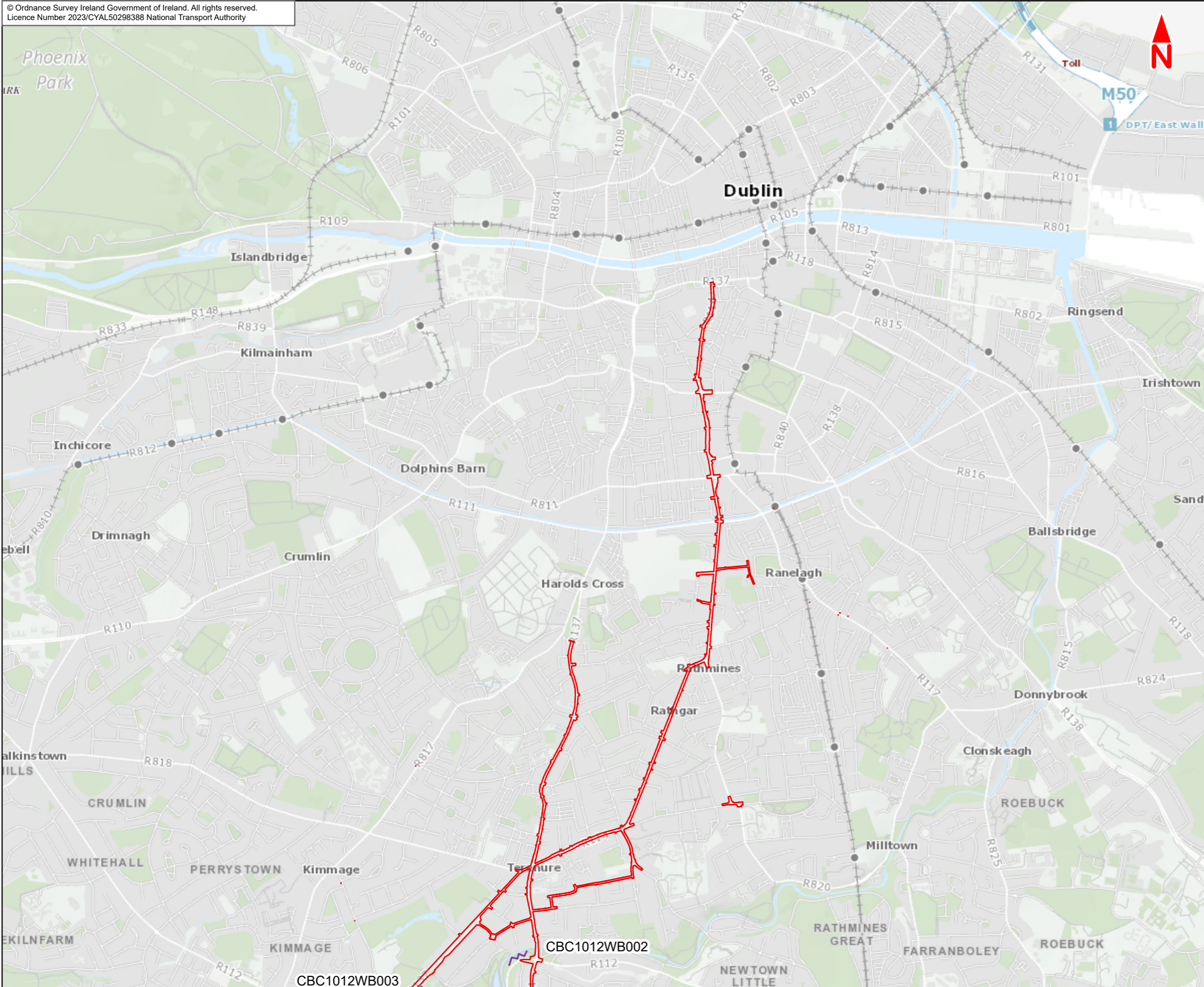
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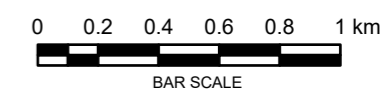
Client <b>NTA</b> Udarás Náisiúnta Iompair National Transport Authority		Consultant <b>JACOBS</b> <b>ARUP SYSTRA</b>		
Date 09/02/2023	Scale @ A3 1:25 000	Drawn FC	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

Programme Title <b>BUSCONNECTS DUBLIN</b> <b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 12.1.2 Ecological Study Areas: Wintering Bird Transect Routes			
Drawing File Name BCIDE-JAC-ENV_BD-1012_XX_00-DR-GG-0301	Sheet Number 1 of 2	Status A	Rev M01



- Legend :**
- Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme
  - Wintering Bird Survey Transects

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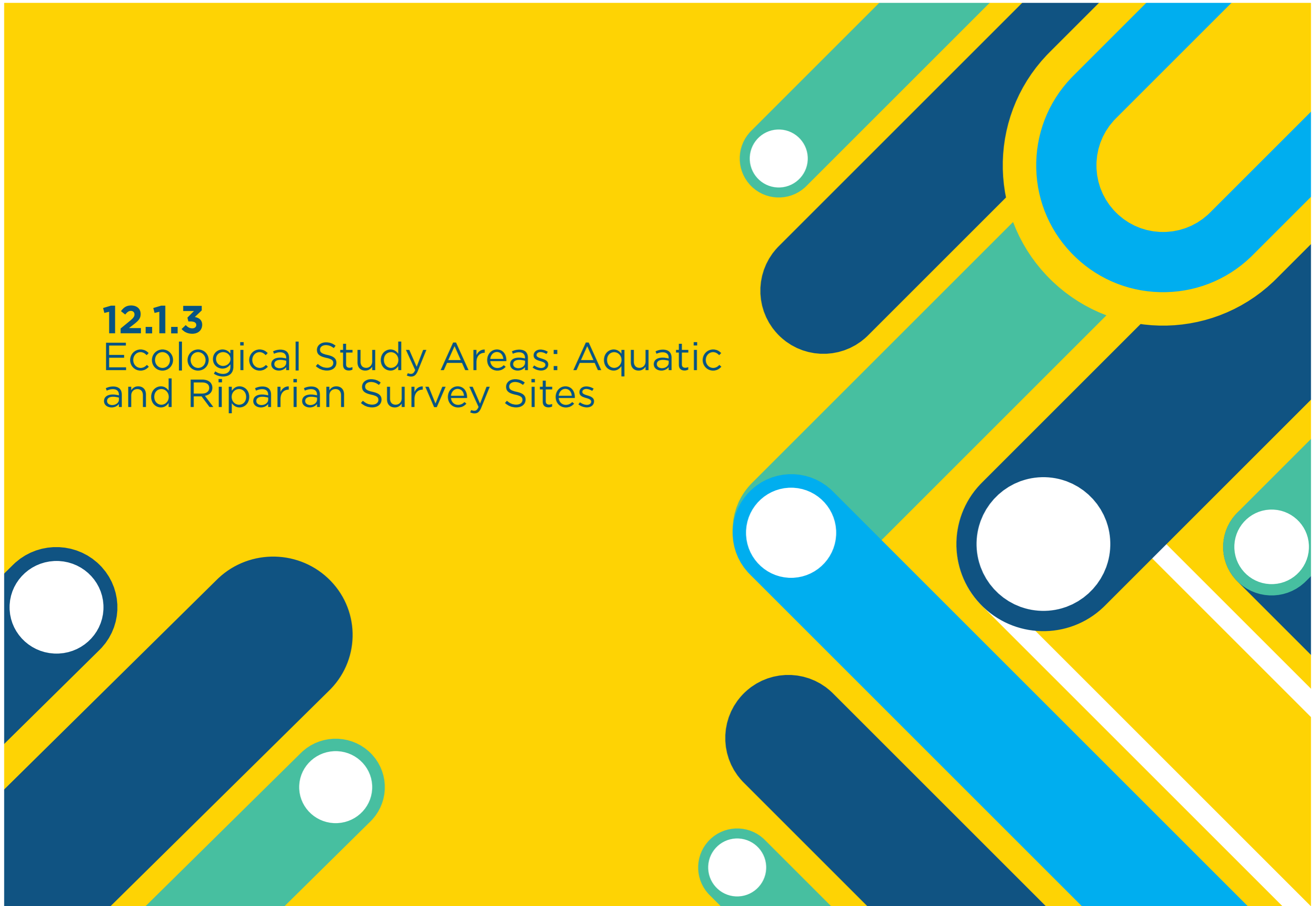
Consultant  
**JACOBS**  
**ARUP SYSTRA**

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 12.1.2 Ecological Study Areas: Wintering Bird Transect Routes			
Drawing File Name BCIDE-JAC-ENV BD-1012_XX_00-DR-GG-0302	Sheet Number 2 of 2	Status A	Rev M01

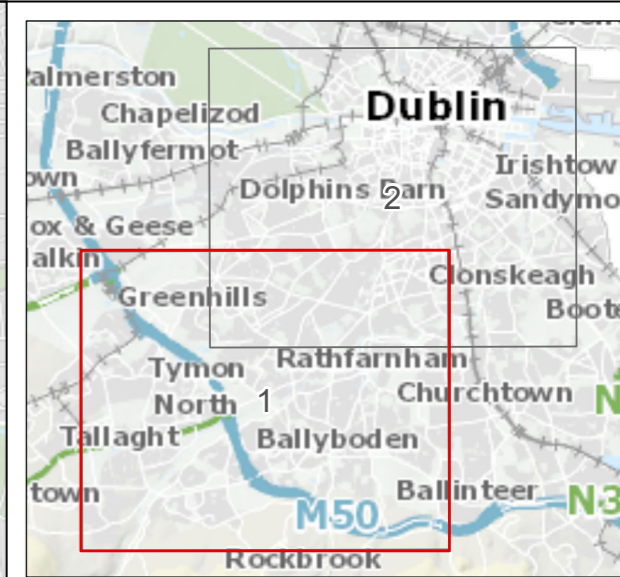
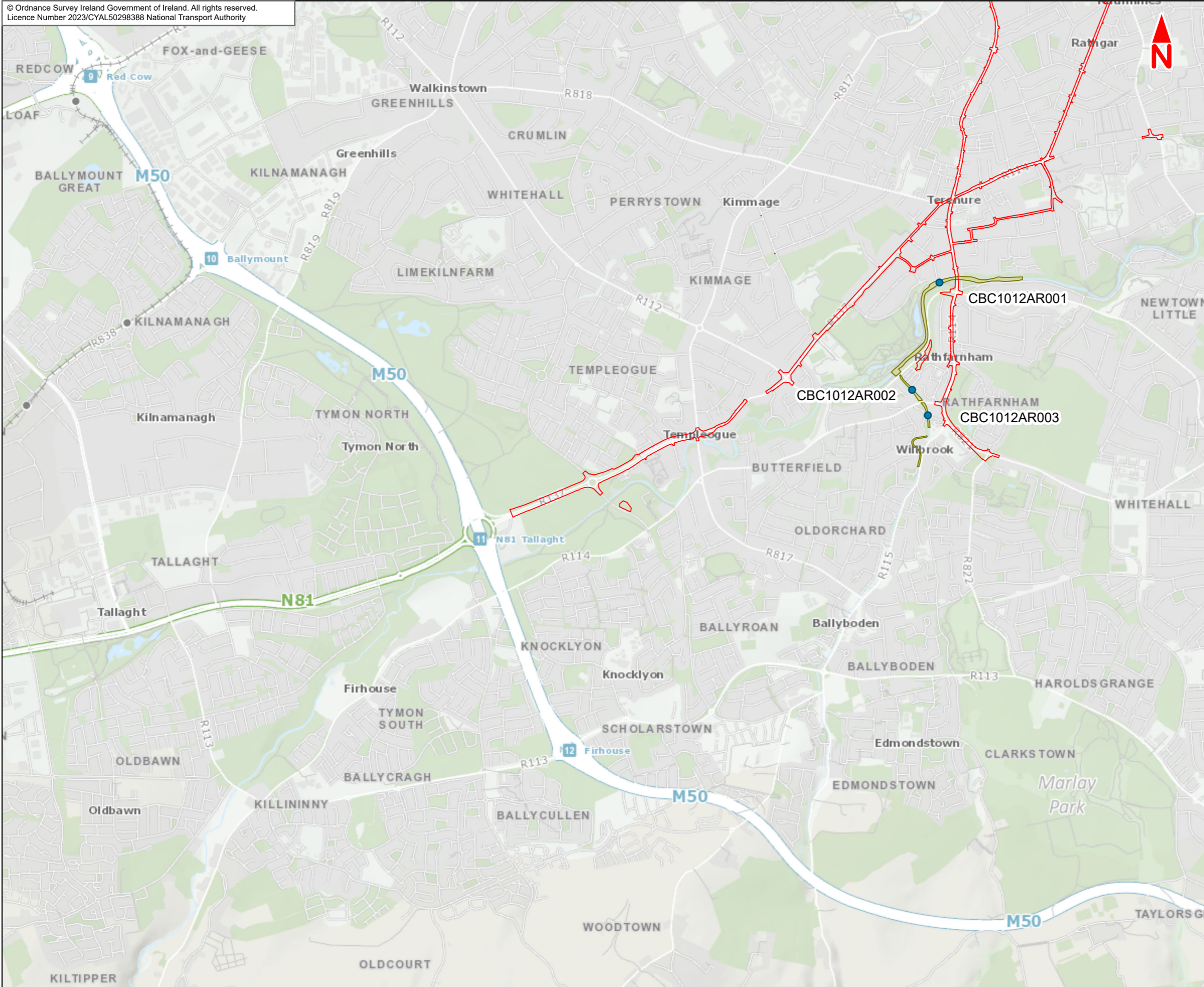
Date 09/02/2023	Scale @ A3 1:25 000	Drawn FC	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

### 12.1.3

Ecological Study Areas: Aquatic  
and Riparian Survey Sites

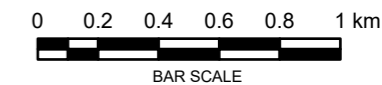






- Legend :**
- Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme
  - Aquatic and Riparian Survey Sites (2020)
  - Extent of Otter and Kingfisher Survey

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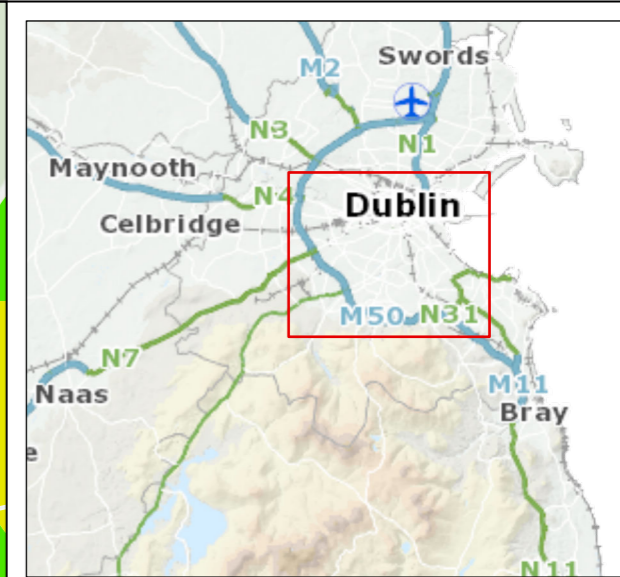
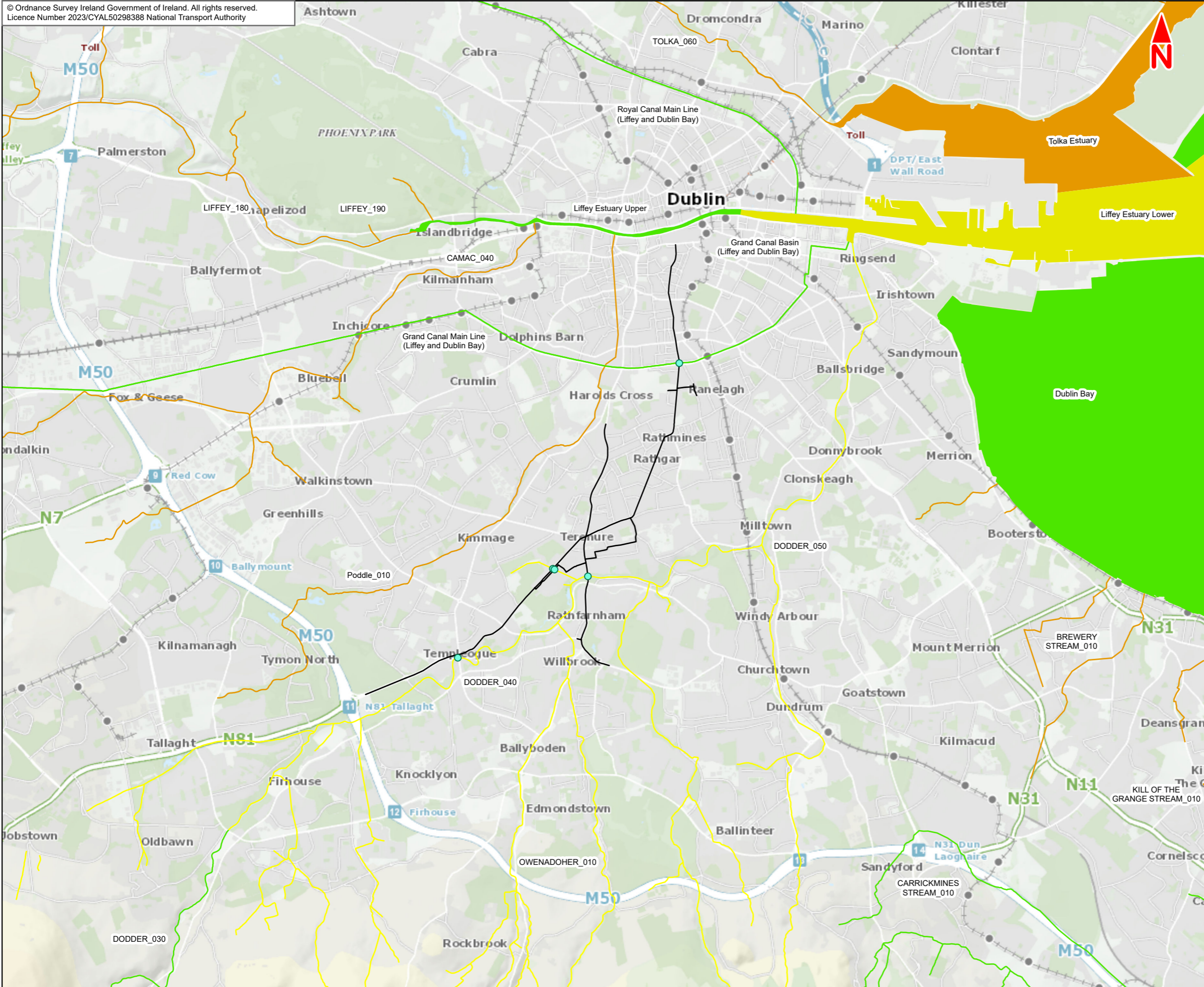
Date	22/02/2023	Scale @ A3	1:25 000	Drawn	FC
Project Code	BCIDE	Originator Code	JAC	Checked	PW
				Approved	DK
				QMS Code	

<b>Programme Title</b> BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
<b>Drawing Title</b> Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 12.1.3 Ecological Study Areas: Aquatic and Riparian Survey Sites			
Drawing File Name	BCIDE-JAC-ENV_BD-1012_XX_00-DR-GG-0901	Sheet Number	1 of 2
Status	A	Rev	M01



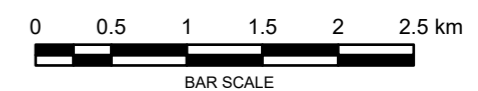


**12.2**  
Hydrological Connectivity to  
the Proposed Scheme



- Legend :**
- Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme
  - Scheme Waterbody Crossings
  - Canal Waterbody WFD Status 2016 - 2021**
  - Good
  - River Waterbody WFD Status 2016 - 2021**
  - Good
  - Moderate
  - Poor
  - Transitional Waterbody WFD Status 2016 - 2021**
  - Good
  - Moderate
  - Poor
  - Coastal Waterbody WFD Status 2016 - 2021**
  - Good

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Consultant: **JACOBS ARUP SYSTRA**

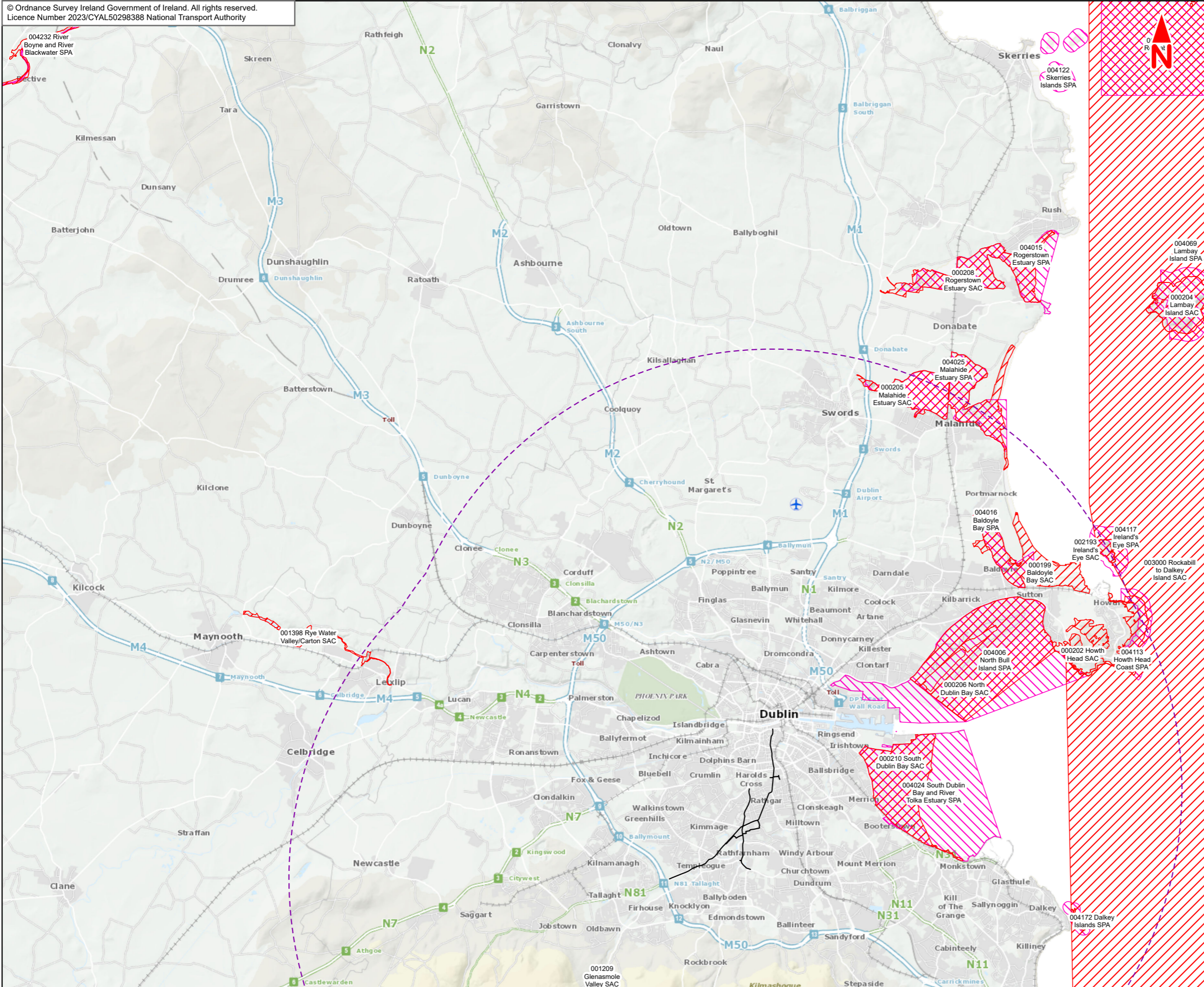
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 Project Code: BCIDE | Originator Code: JAC

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Drawing Title: Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 12.2 Hydrological Connectivity to the Proposed Scheme			
Drawing File Name: BCIDE-JAC-ENV_BD-1012_XX_00-DR-GG-0003	Sheet Number: 1 of 1	Status: A	Rev: M01

The background of the slide is a vibrant yellow. It is decorated with several abstract, overlapping shapes in shades of blue and green. These shapes include rounded rectangles, elongated ovals, and curved bands. Interspersed among these shapes are several white circles of varying sizes, some of which are partially enclosed by the colored shapes. The overall aesthetic is modern and geometric.

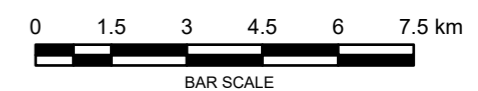
## 12.3

### European Sites in the Vicinity of the Proposed Scheme



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

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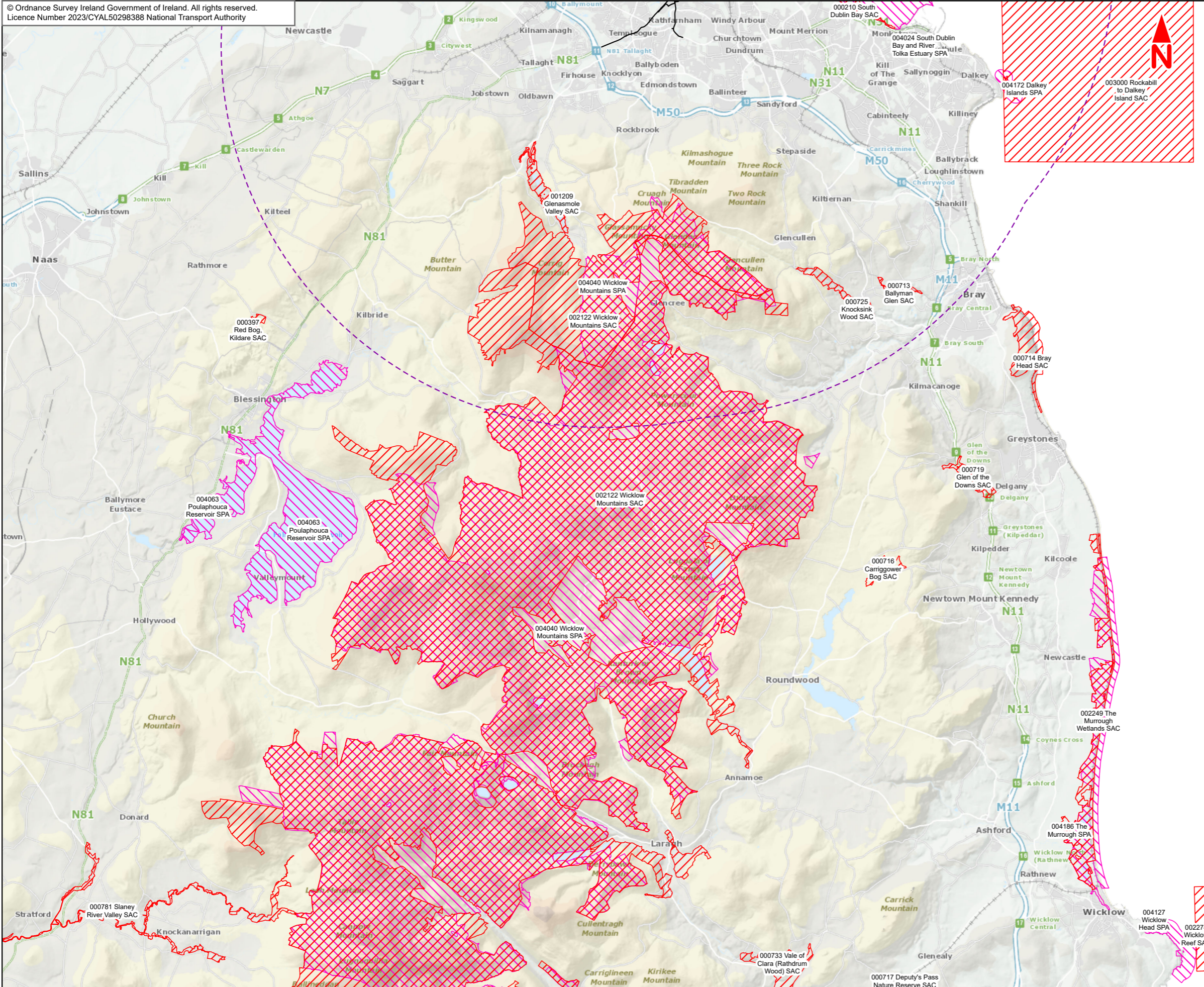
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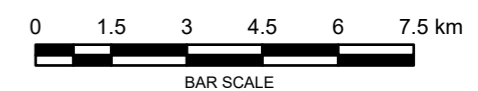
Date: 10/02/2023 | Scale @ A3: 1:150 000  
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 Project Code: BCIDE | Originator Code: JAC | QMS Code:

Programme Title: <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title: Templeogue / Rathfarnham to City Centre Scheme Figure 12.3 European sites in the Vicinity of the Proposed Scheme			
Drawing File Name: BCIDE-JAC-ENV_BD-1012_XX_00-DR-GG-0001	Sheet Number: 1 of 2	Status: A	Rev: M01



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

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Date: 10/02/2023 | Scale @ A3: 1:150 000 | Drawn: FC | Checked: PW | Approved: DK

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

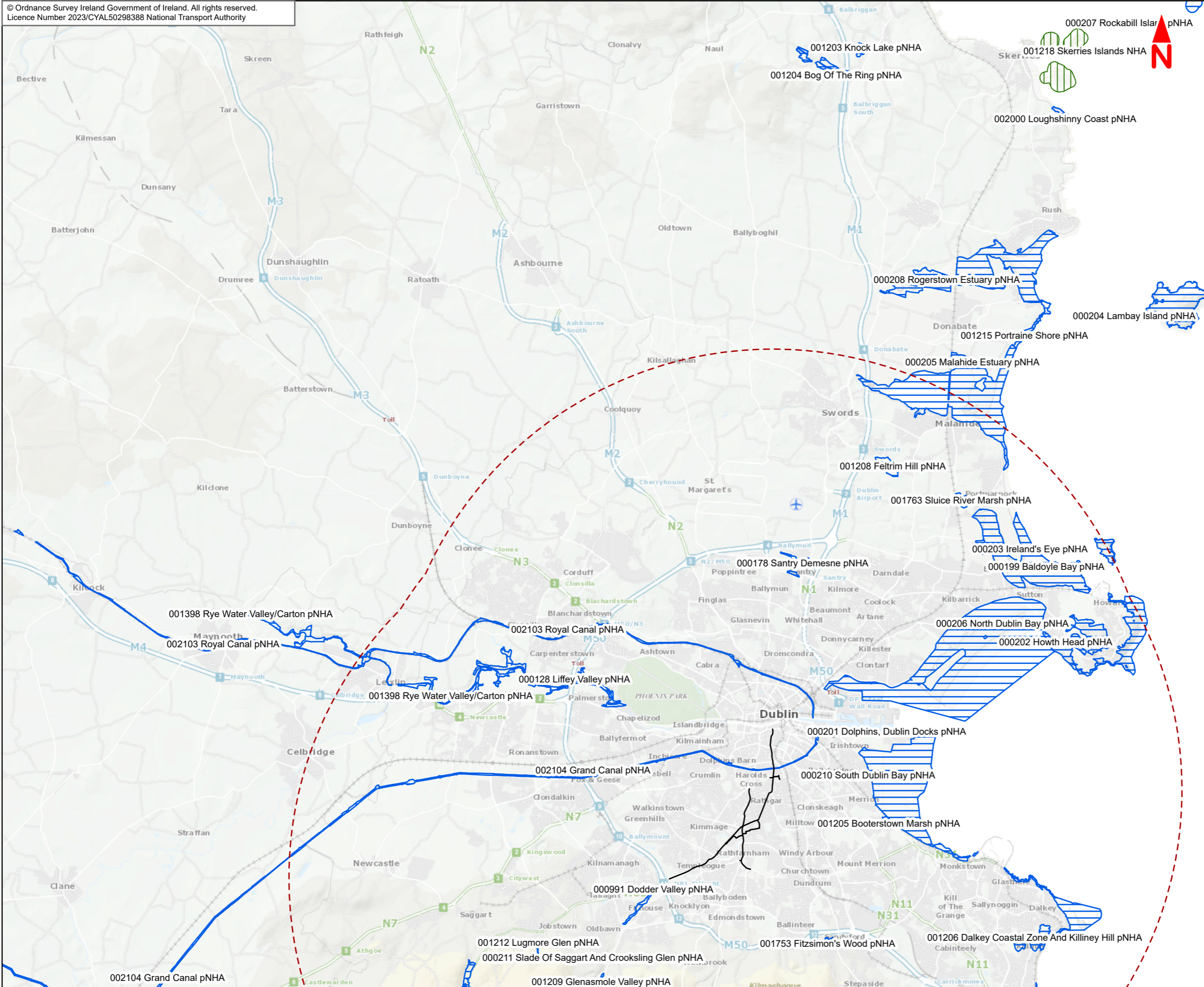
Programme Title: <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title: Templeogue / Rathfarnham to City Centre Scheme Figure 12.3 European sites in the Vicinity of the Proposed Scheme			
Drawing File Name: BCIDE-JAC-ENV_BD-1012_XX_00-DR-GG-0091	Sheet Number: 2 of 2	Status: A	Rev: M01

## 12.4

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

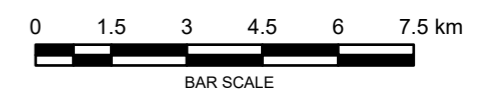






- Legend :**
- Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme
  - 15km Study Area
  - Natural Heritage Area
  - Proposed Natural Heritage Area

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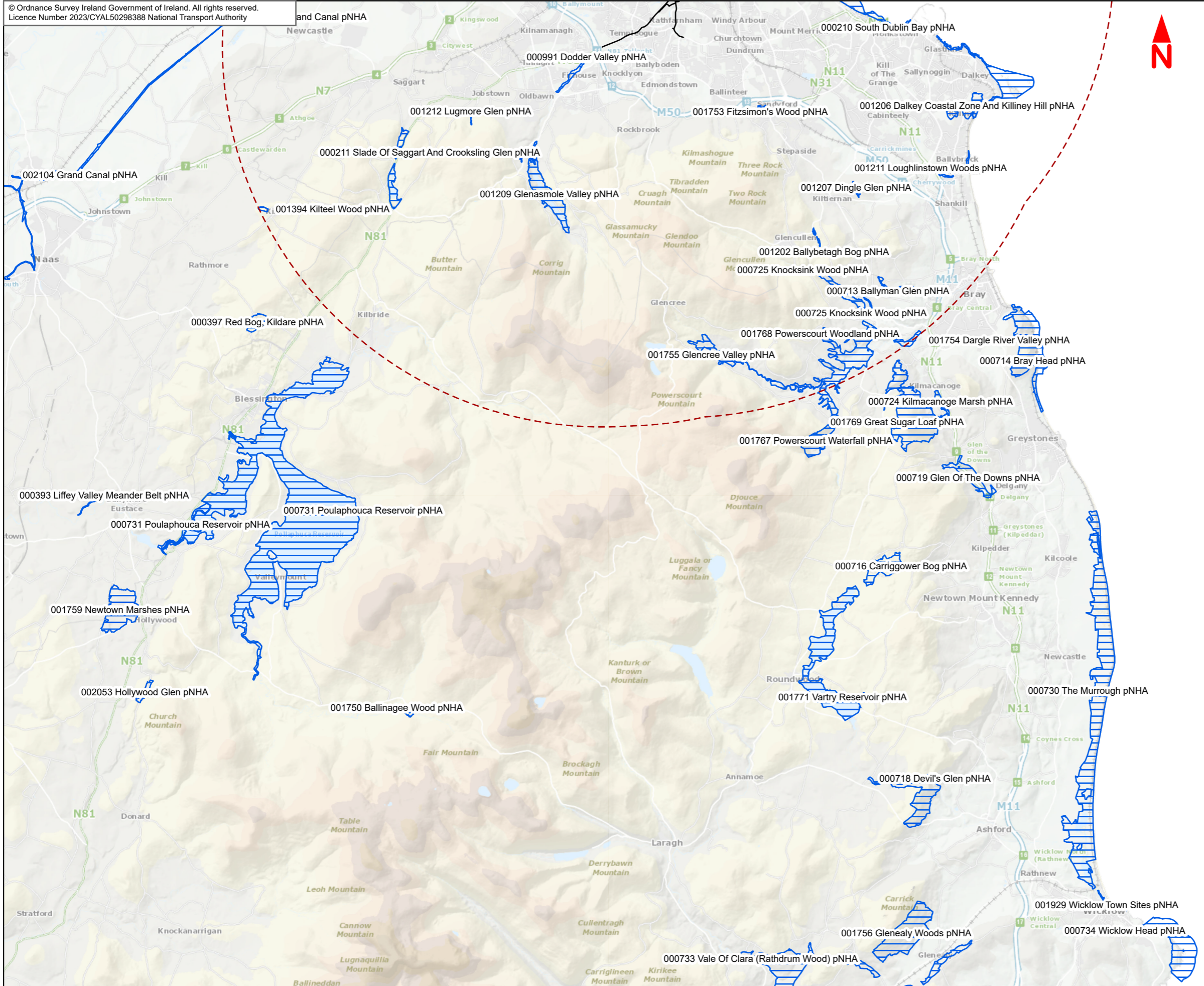
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M01	Feb 2023	FC	PW	DK	ISSUE FOR PHASE 4: PLANNING

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

Consultant: **JACOBS ARUP SYSTRA**

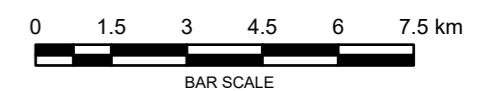
Date: 09/02/2023 | Scale @ A3: 1:150 000  
 Project Code: BCIDE | Originator Code: JAC  
 Drawn: FC | Checked: PW | Approved: DK

Programme Title: <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title: Templeogue / Rathfarnham 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-1012_XX_00-DR-GG-0002	Sheet Number: 1 of 2	Status: A	Rev: M01



- Legend :**
- Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme
  - 15km Study Area
  - Proposed Natural Heritage Area

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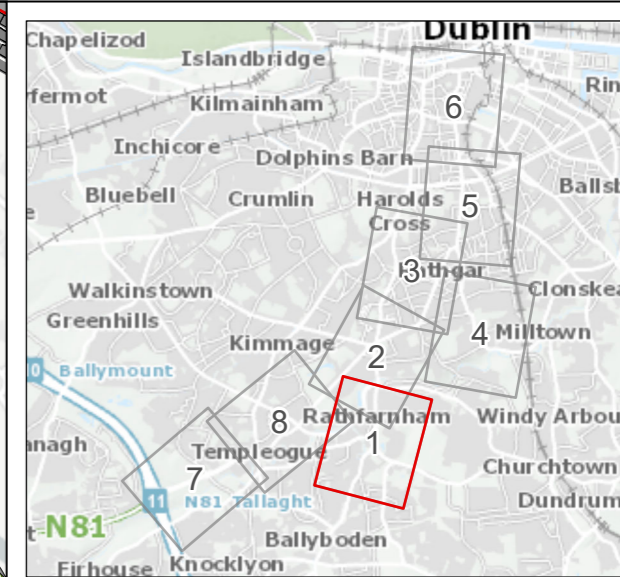
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M01	Feb 2023	FC	PW	DK	ISSUE FOR PHASE 4: PLANNING

Client <b>NTA</b> Udarás Náisiúnta Iompair National Transport Authority		Consultant <b>JACOBS</b> <b>ARUP SYSTRA</b>		
Date 09/02/2023	Scale @ A3 1:150 000	Drawn FC	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 Templeogue / Rathfarnham 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-1012_XX_00-DR-GG-0092	Sheet Number 2 of 2	Status A	Rev M01	

The background features a vibrant yellow field with abstract, overlapping shapes in dark blue, light blue, and teal. Several white circles of varying sizes are scattered throughout, some appearing as cutouts or highlights within the colored shapes. The overall style is modern and graphic.

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



**Legend :**

Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme

**Fossitt Habitat Types**

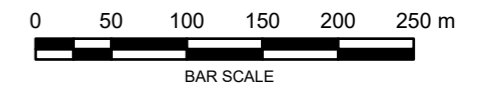
- BL1
- BL3
- WL2
- WS3
- BC4
- BL3
- GA2
- GS2
- Res
- WD1
- WD5
- WL1
- WL2
- WS3

**Other Habitat Types**

- Res

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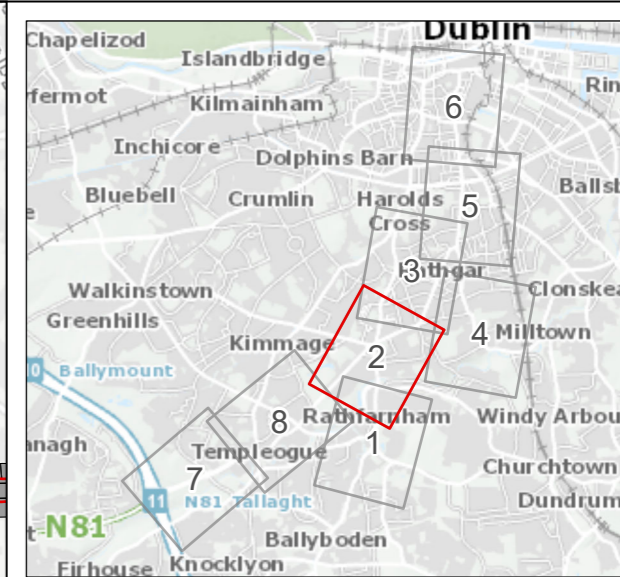
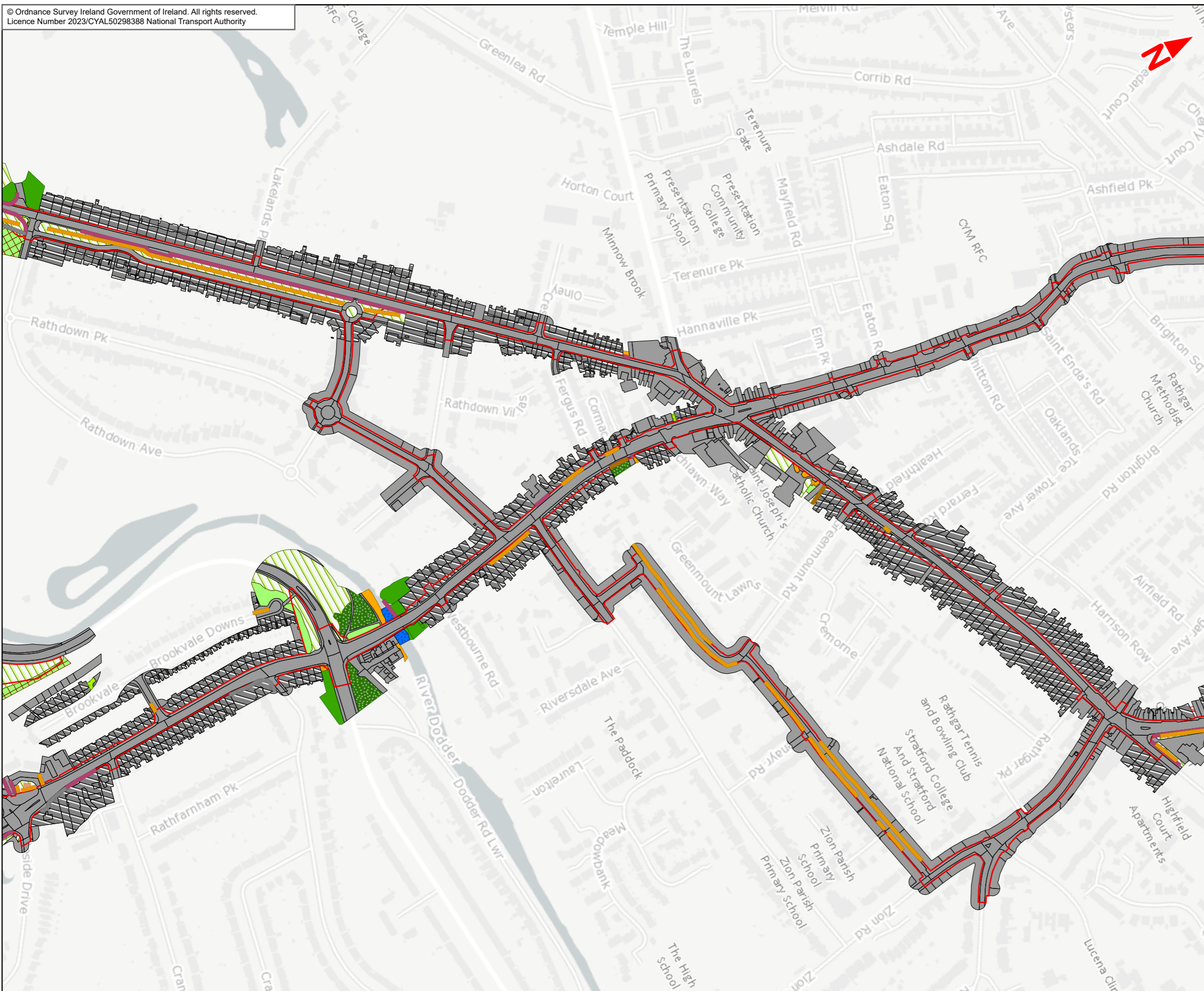
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National Transport Authority

Consultant  
**JACOBS ARUP SYSTRA**

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 12.5 Habitat Survey Results - Fossitt 2000 Habitat Classification				
Drawing File Name BCIDE-JAC-ENV_BD-1012_XX_00-DR-GG-0201	Sheet Number 1 of 8	Status A	Rev M01	

Date 14/02/2023	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		



**Legend :**

Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme

**Fossitt Habitat Types**

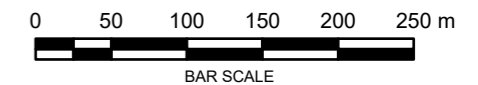
- BL1
- BL3
- WL1
- WL2
- WS3
- BL3
- ED2
- FW2
- GA2
- GS2
- Res
- WD1
- WD5
- WL1
- WL2
- WS1
- WS3

**Other Habitat Types**

- Res

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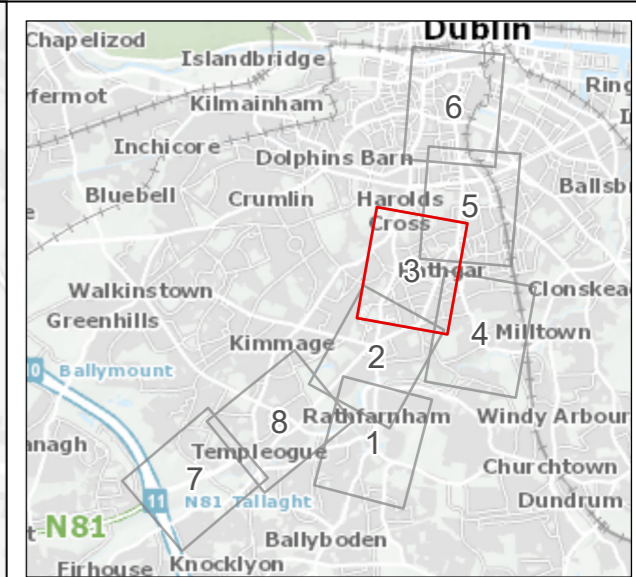
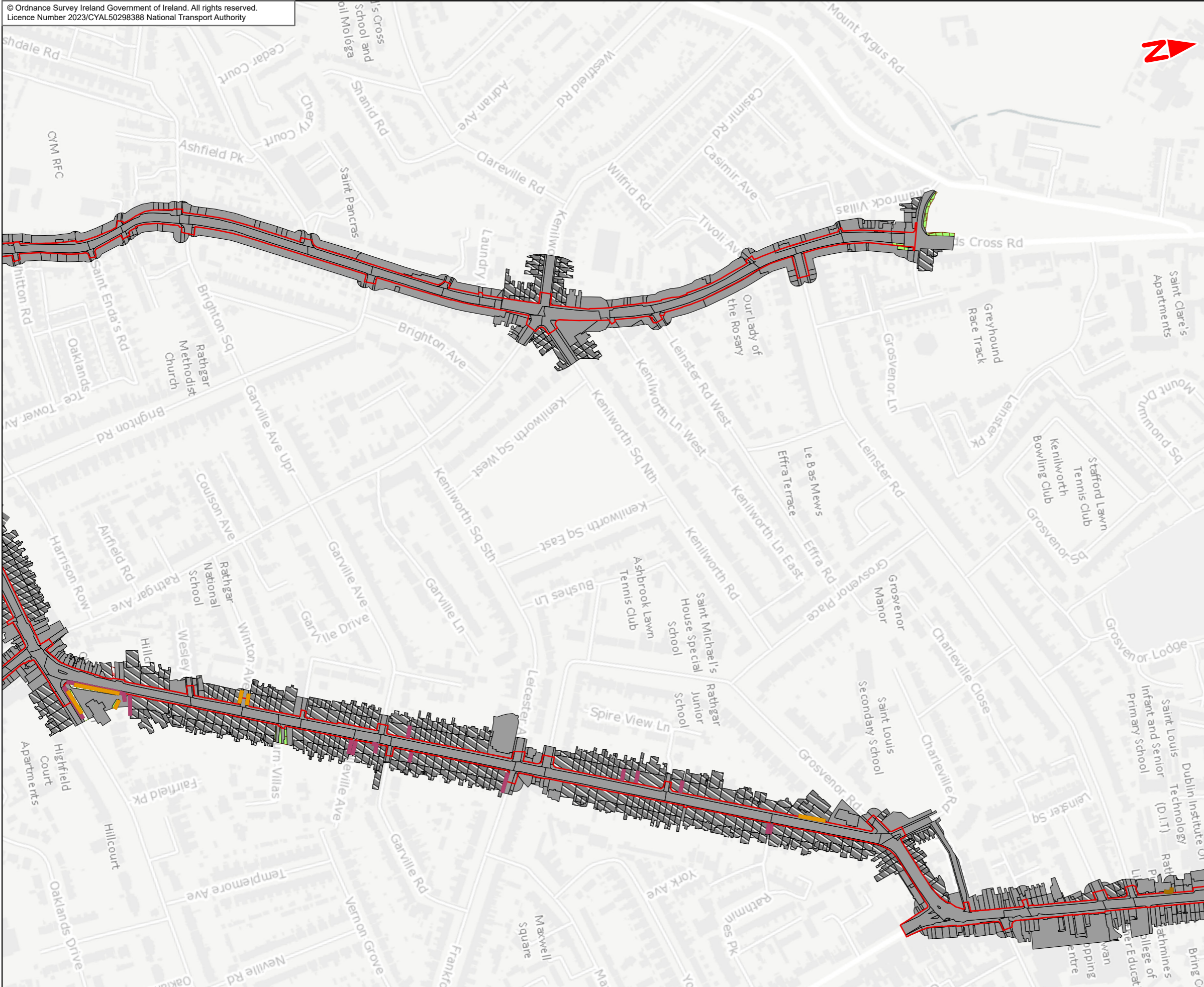
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Date 14/02/2023	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

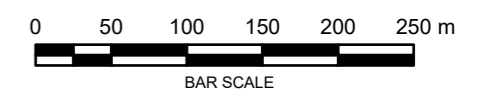
Programme Title <b>BUSCONNECTS DUBLIN</b> <b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 12.5 Habitat Survey Results - Fossitt 2000 Habitat Classification				
Drawing File Name BCIDE-JAC-ENV_BD-1012_XX_00-DR-GG-0202	Sheet Number 2 of 8	Status A	Rev M01	



- Legend :**
- Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme
- Fossitt Habitat Types**
- BL1
  - WL1
  - WL2
  - BL3
  - ED2
  - GA2
  - Res
  - WL1
  - WL2
- Other Habitat Types**
- Res

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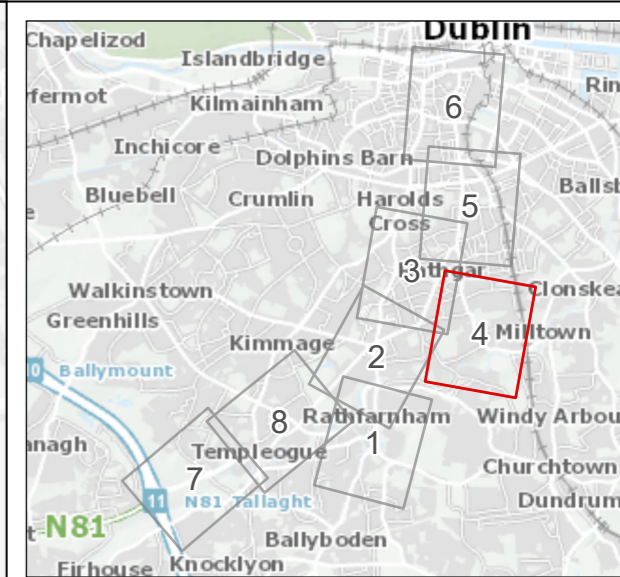
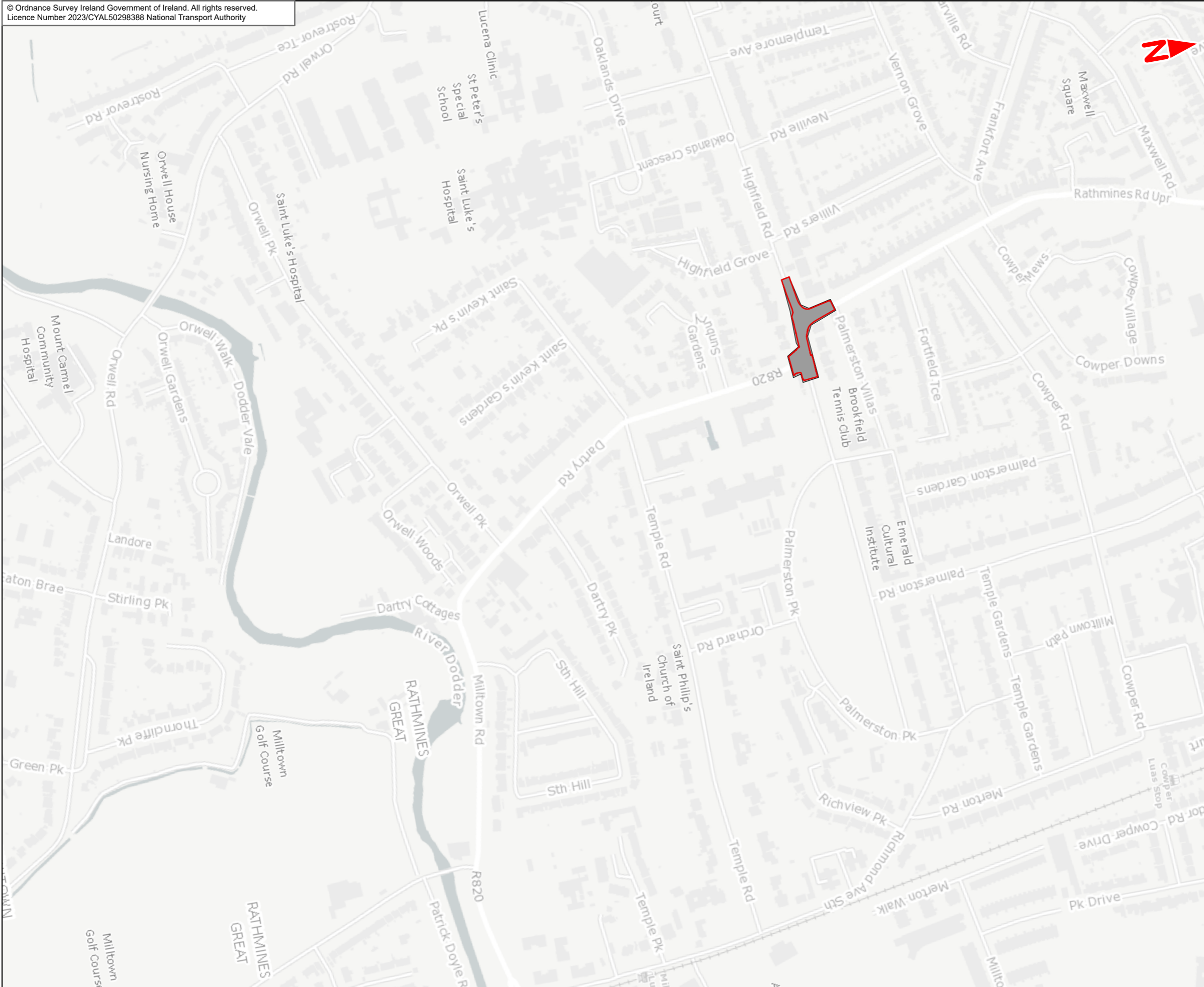
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Project Code BCIDE	Originator Code JAC	QMS Code		

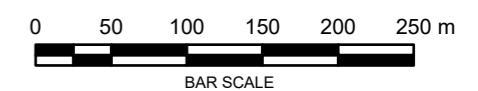
Programme Title <b>BUSCONNECTS DUBLIN</b> <b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 12.5 Habitat Survey Results - Fossitt 2000 Habitat Classification				
Drawing File Name BCIDE-JAC-ENV_BD-1012_XX_00-DR-GG-0203	Sheet Number 3 of 8	Status A	Rev M01	



- Legend :**
- Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme
  - BL3

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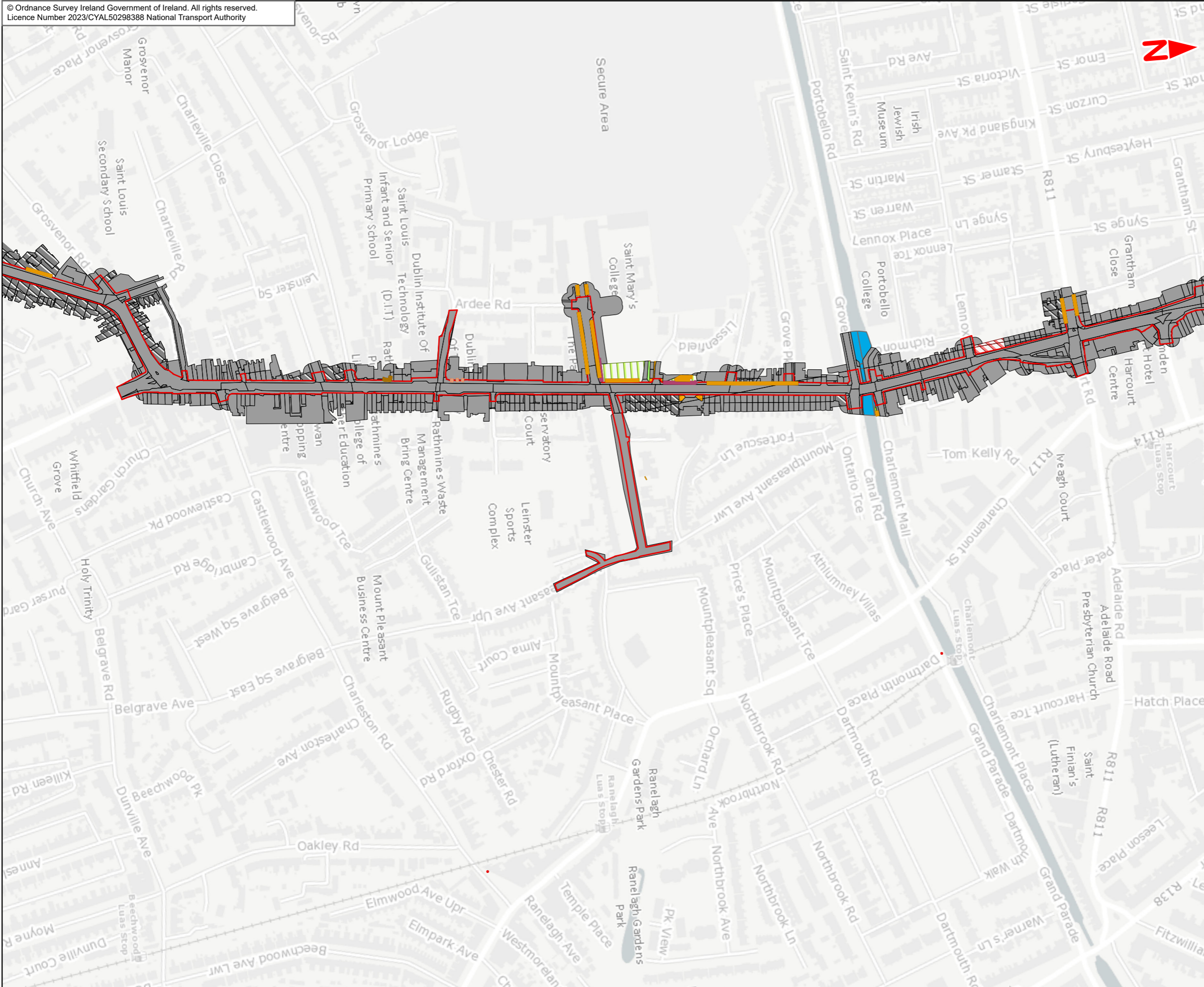
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National Transport Authority

Consultant  
**JACOBS ARUP SYSTRA**

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 12.5 Habitat Survey Results - Fossitt 2000 Habitat Classification				
Drawing File Name BCIDE-JAC-ENV BD-1012_XX_00-DR-GG-0204	Sheet Number 4 of 8	Status A	Rev M01	

Date 14/02/2023	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		



**Legend :**

- Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme

**Fossitt Habitat Types**

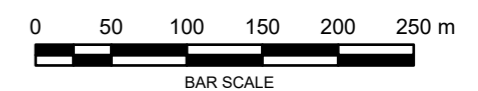
- BL1
- WL1
- WL2
- WS3
- BL3
- ED2
- FW3
- GA2
- GS4
- Res
- WL1
- WS3

**Other Habitat Types**

- Res

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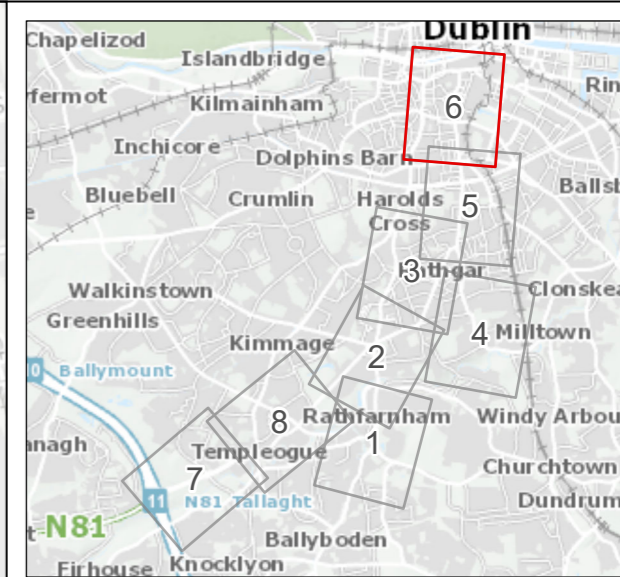
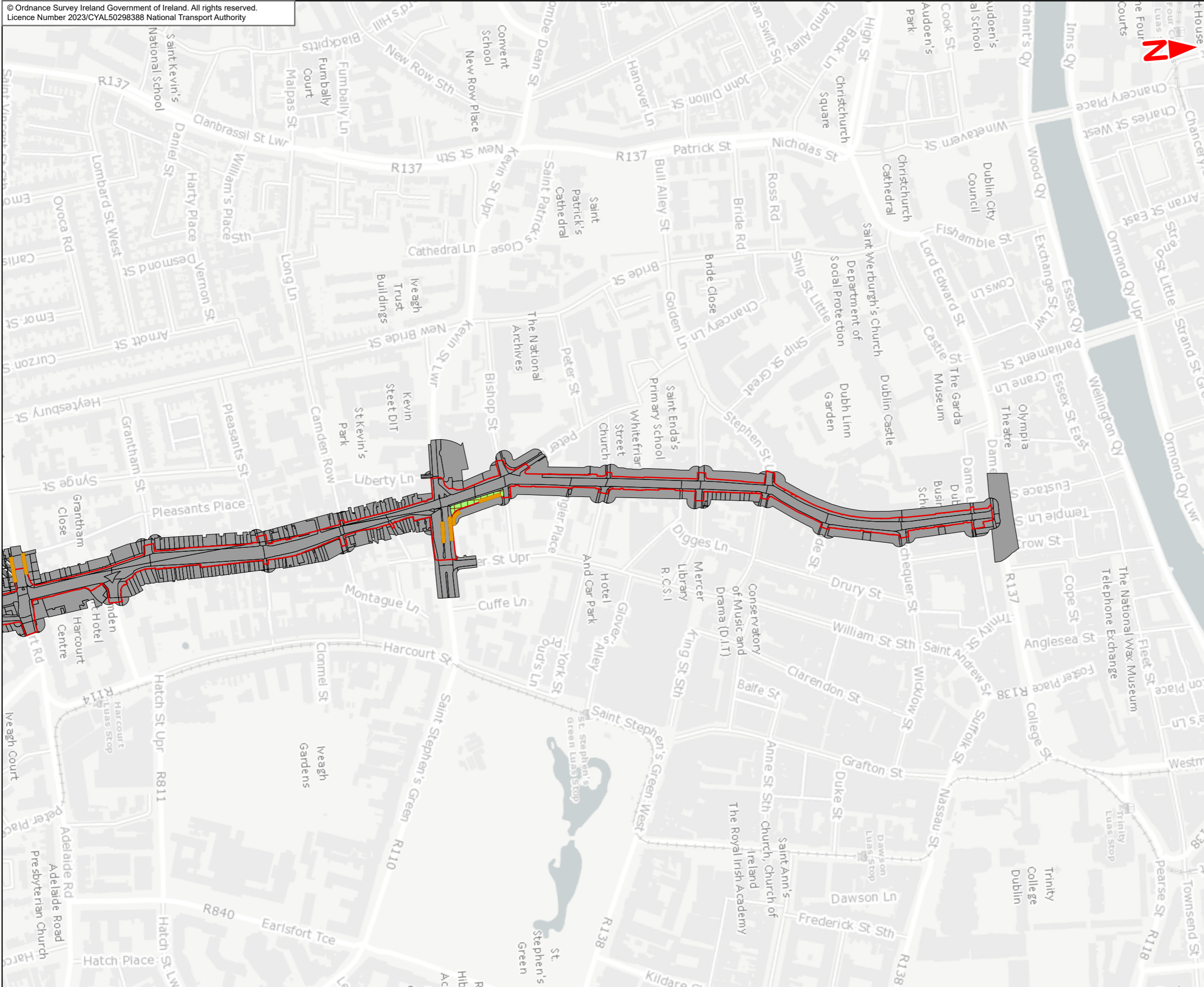
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National Transport Authority

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

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 12.5 Habitat Survey Results - Fossitt 2000 Habitat Classification				
Drawing File Name BCIDE-JAC-ENV_BD-1012_XX_00-DR-GG-0205	Sheet Number 5 of 8	Status A	Rev M01	

Date 14/02/2023	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		





**Legend :**

Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme

**Fossitt Habitat Types**

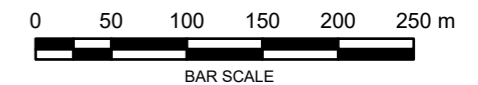
- WL2
- BL3
- Res
- WL2

**Other Habitat Types**

- Res

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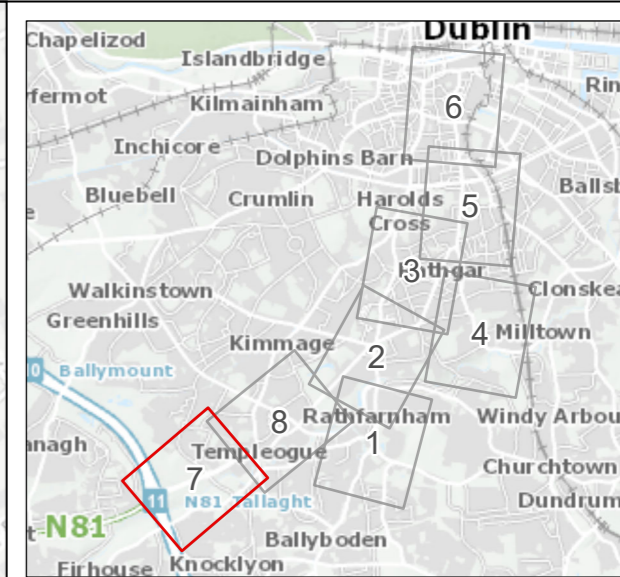
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**NTA**  
Udarás Náisiúnta Iompair  
National Transport Authority

Consultant  
**JACOBS ARUP SYSTRA**

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 12.5 Habitat Survey Results - Fossitt 2000 Habitat Classification			
Drawing File Name BCIDE-JAC-ENV_BD-1012_XX_00-DR-GG-0206	Sheet Number 6 of 8	Status A	Rev M01

Date 14/02/2023	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		



**Legend :**

Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme

**Fossitt Habitat Types**

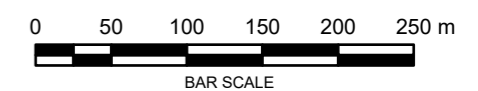
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- BL3
- WL1
- WL2
- WS3
- BL3
- ED1
- GA2
- GS2
- GS4
- Res
- WD1
- WD5
- WL1
- WL2
- WS1
- WS3

**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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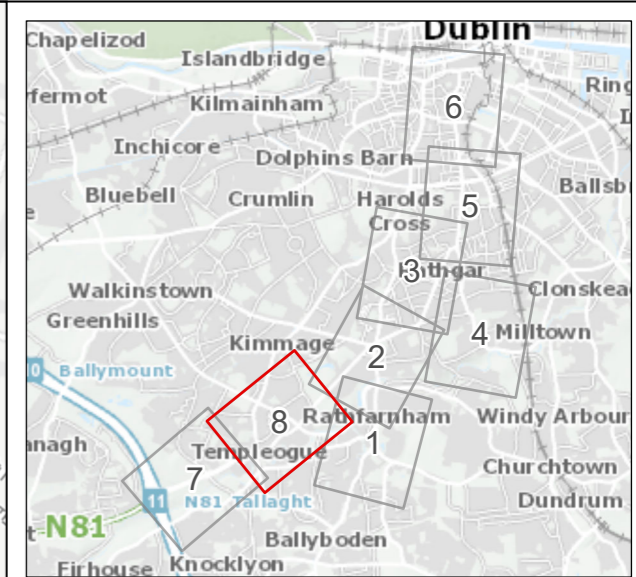
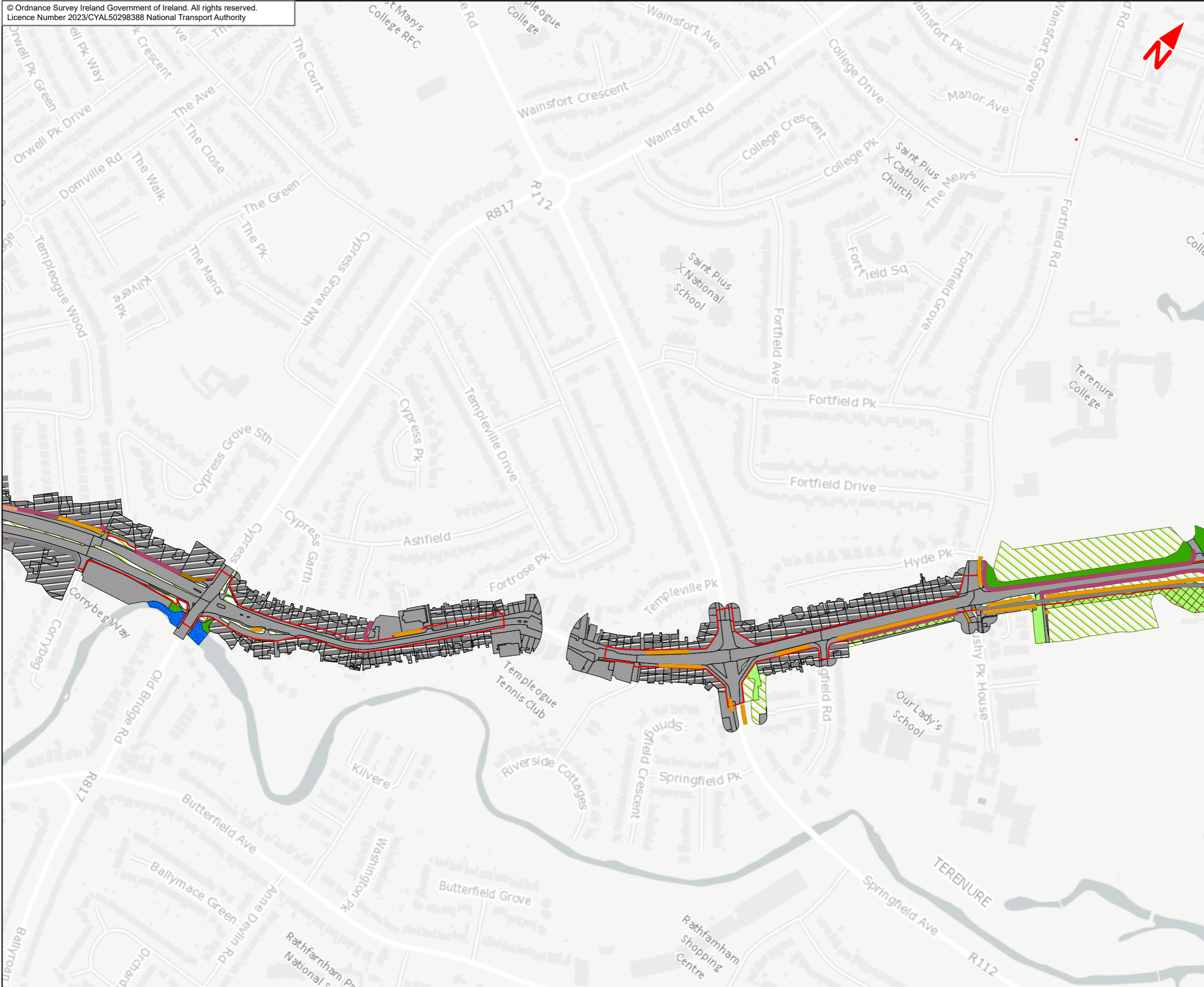
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Drawing Title Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 12.5 Habitat Survey Results - Fossitt 2000 Habitat Classification				
Drawing File Name BCIDE-JAC-ENV BD-1012_XX_00-DR-GG-0207	Sheet Number 7 of 8	Status A	Rev M01	

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Project Code BCIDE	Originator Code JAC	QMS Code		



**Legend :**

Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme

**Fossitt Habitat Types**

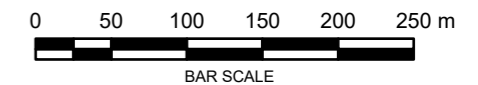
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- WL2
- WS3
- BL3
- ED2
- FW2
- GA2
- GS2
- Res
- WD1
- WL1
- WL2
- WS3

**Other Habitat Types**

- Res

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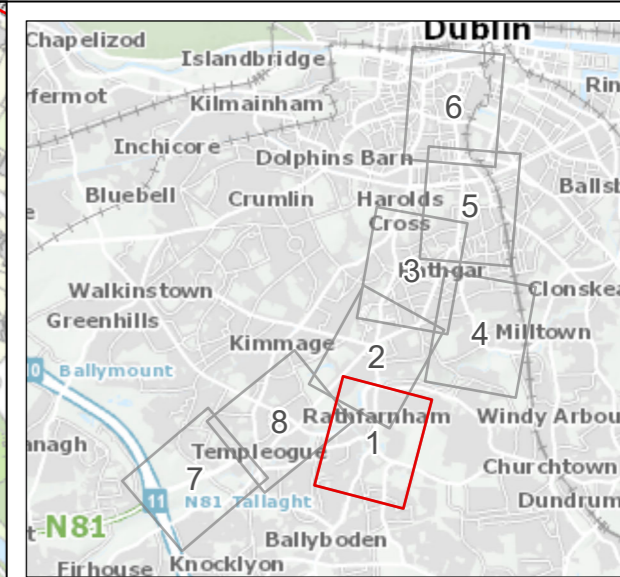
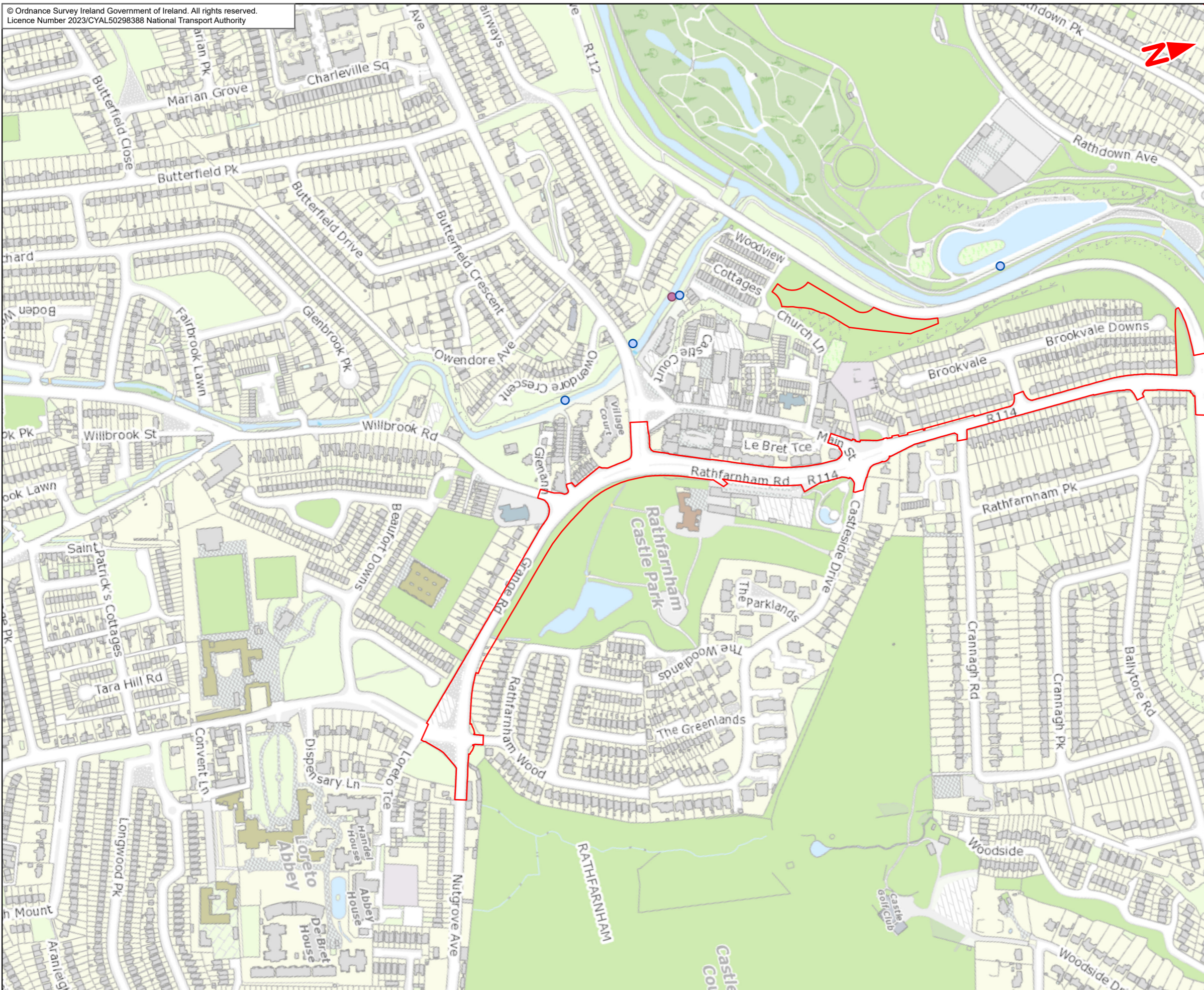
Consultant  
**JACOBS ARUP SYSTRA**

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 12.5 Habitat Survey Results - Fossitt 2000 Habitat Classification			
Drawing File Name BCIDE-JAC-ENV_BD-1012_XX_00-DR-GG-0208	Sheet Number 8 of 8	Status A	Rev M01

Date 14/02/2023	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
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**12.6**  
Non-Native Invasive Plant  
Species Survey Results



**Legend :**

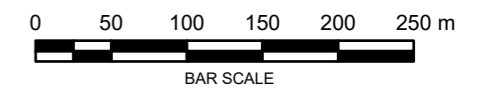
Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme

**Species Name**

- *Allium triquetrum*
- *Reynoutria japonica*

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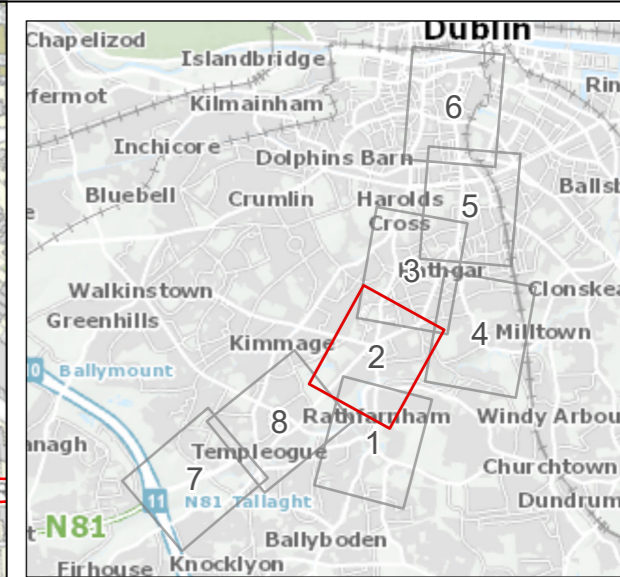
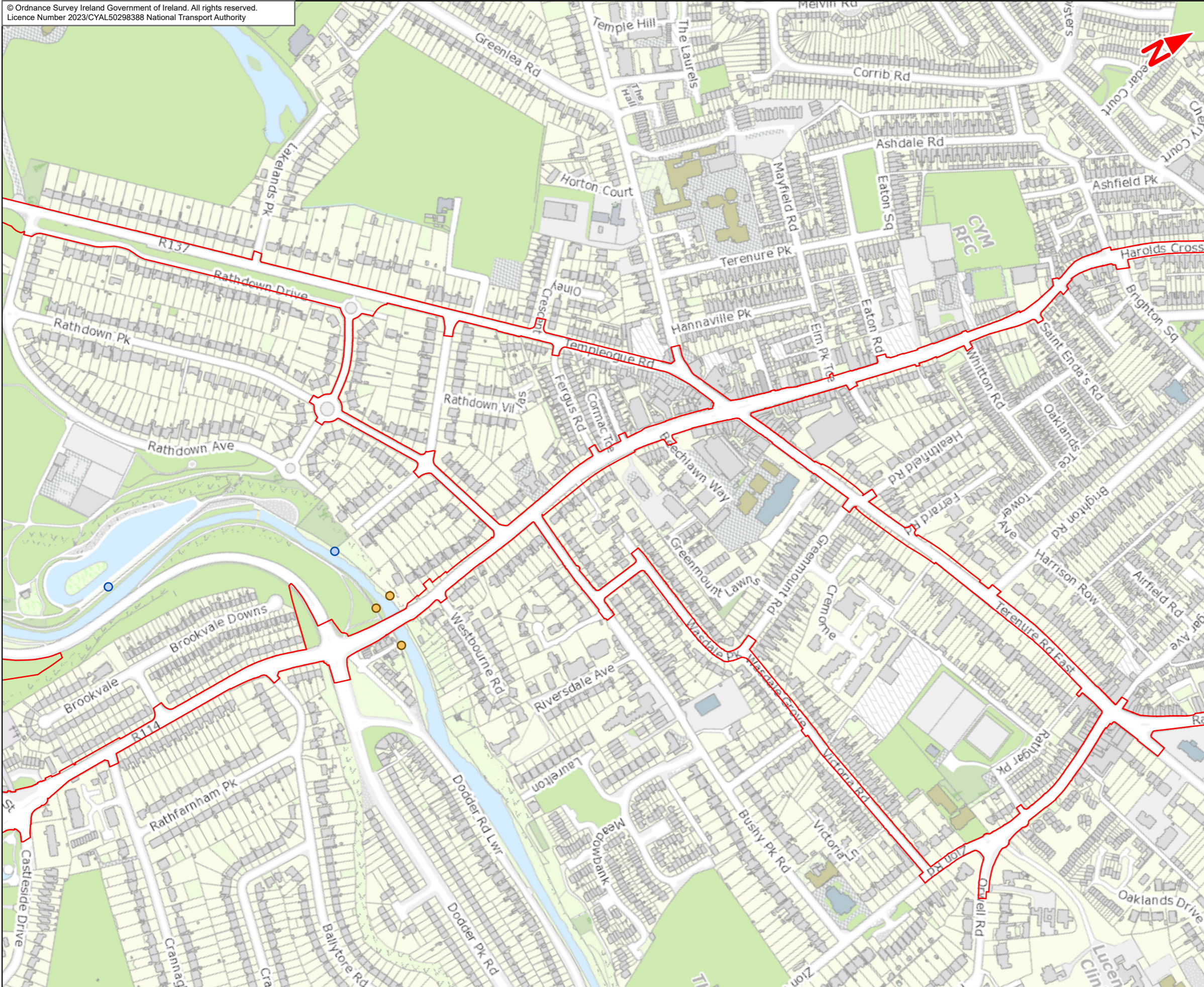
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Date 09/02/2023	Scale @ A3 1:5 000	Drawn FC	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

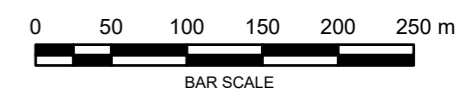
Programme Title <b>BUSCONNECTS DUBLIN</b> <b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 12.6 Non-Native Invasive Plant Species Survey Results				
Drawing File Name BCIDE-JAC-ENV_BD-1012_XX_00-DR-GG-0701	Sheet Number 1 of 8	Status A	Rev M01	



- Legend :**
- Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme
  - *Impatiens glandulifera*
  - *Reynoutria japonica*

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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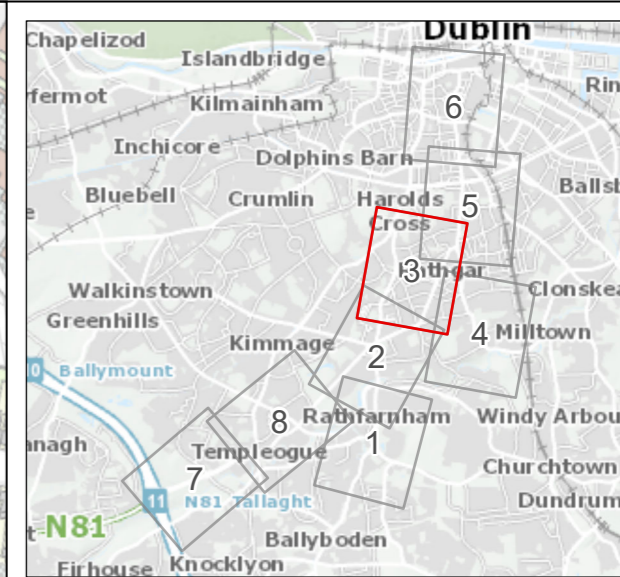
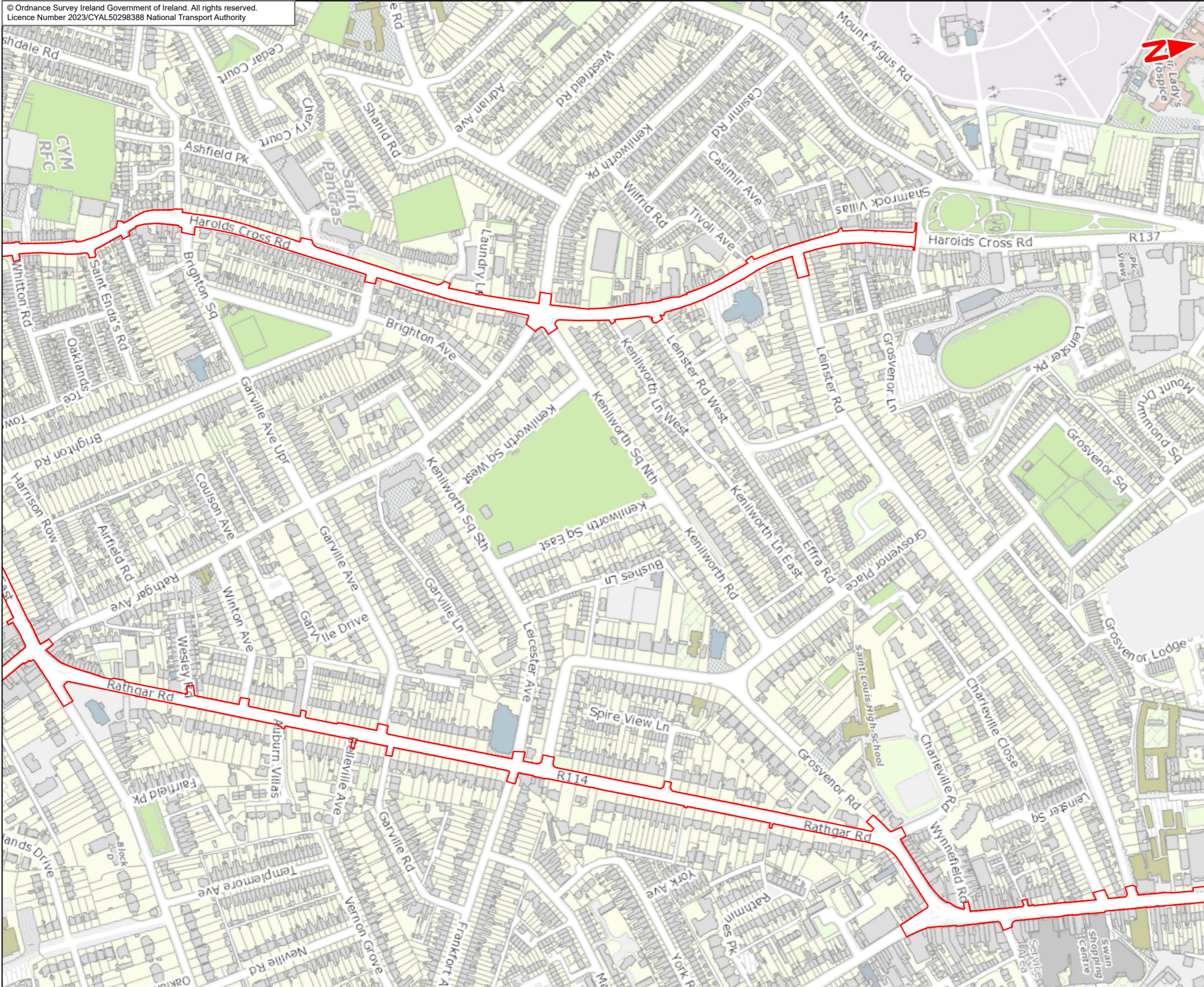
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**JACOBS ARUP SYSTRA**

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 12.6 Non-Native Invasive Plant Species Survey Results				
Drawing File Name BCIDE-JAC-ENV BD-1012_XX_00-DR-GG-0702	Sheet Number 2 of 8	Status A	Rev M01	

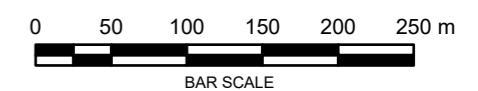
Date 09/02/2023	Scale @ A3 1:5 000	Drawn FC	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		



**Legend :**  
 Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme

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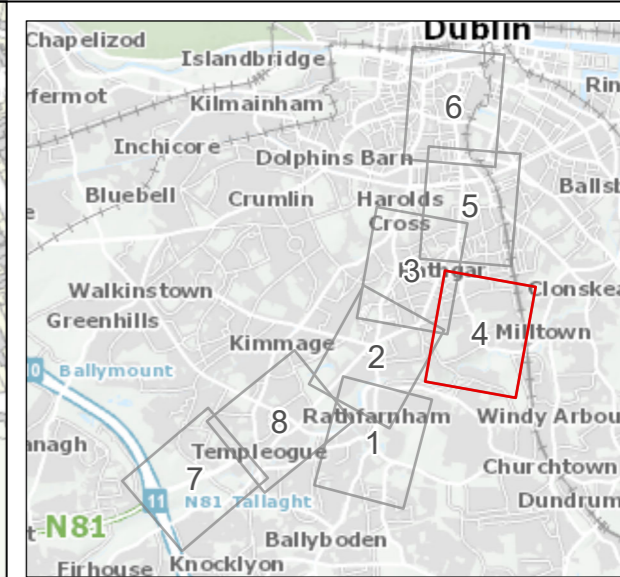
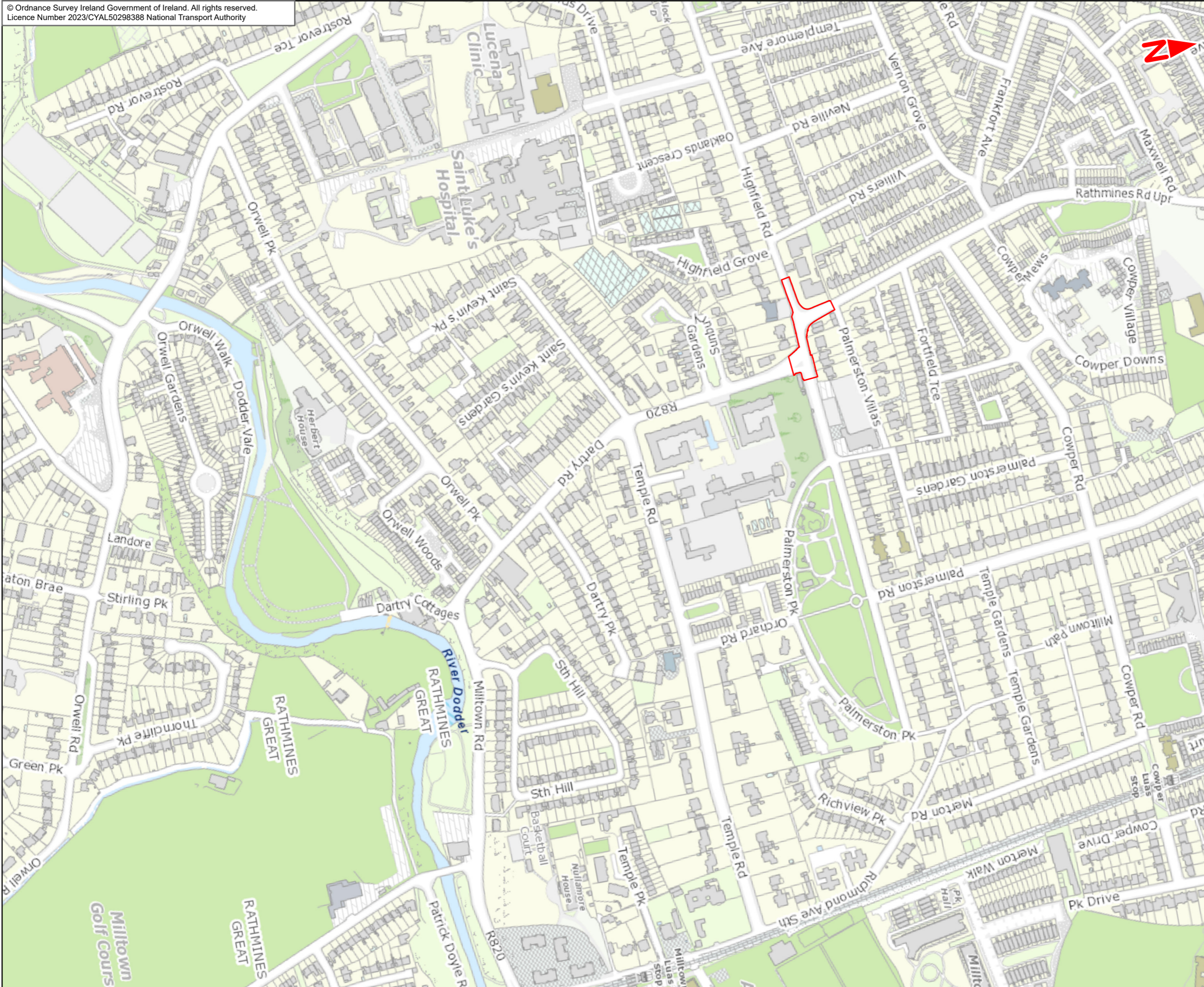
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Date 09/02/2023	Scale @ A3 1:5 000	Drawn FC	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

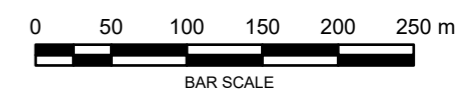
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Drawing Title Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 12.6 Non-Native Invasive Plant Species Survey Results				
Drawing File Name BCIDE-JAC-ENV_BD-1012_XX_00-DR-GG-0703	Sheet Number 3 of 8	Status A	Rev M01	



**Legend :**  
 Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme

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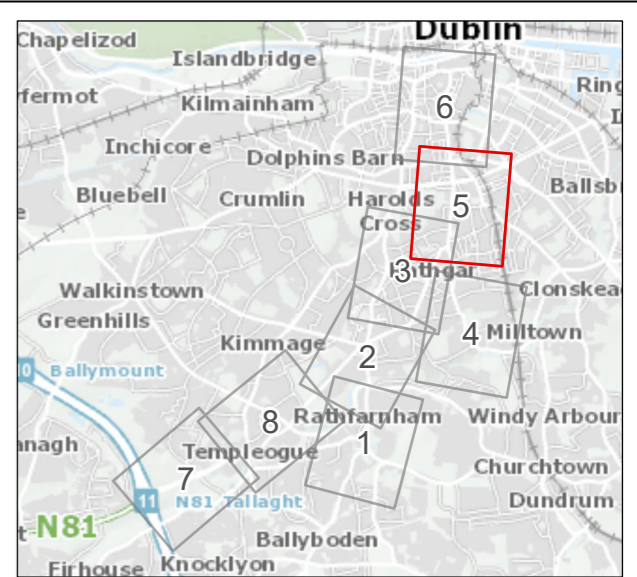
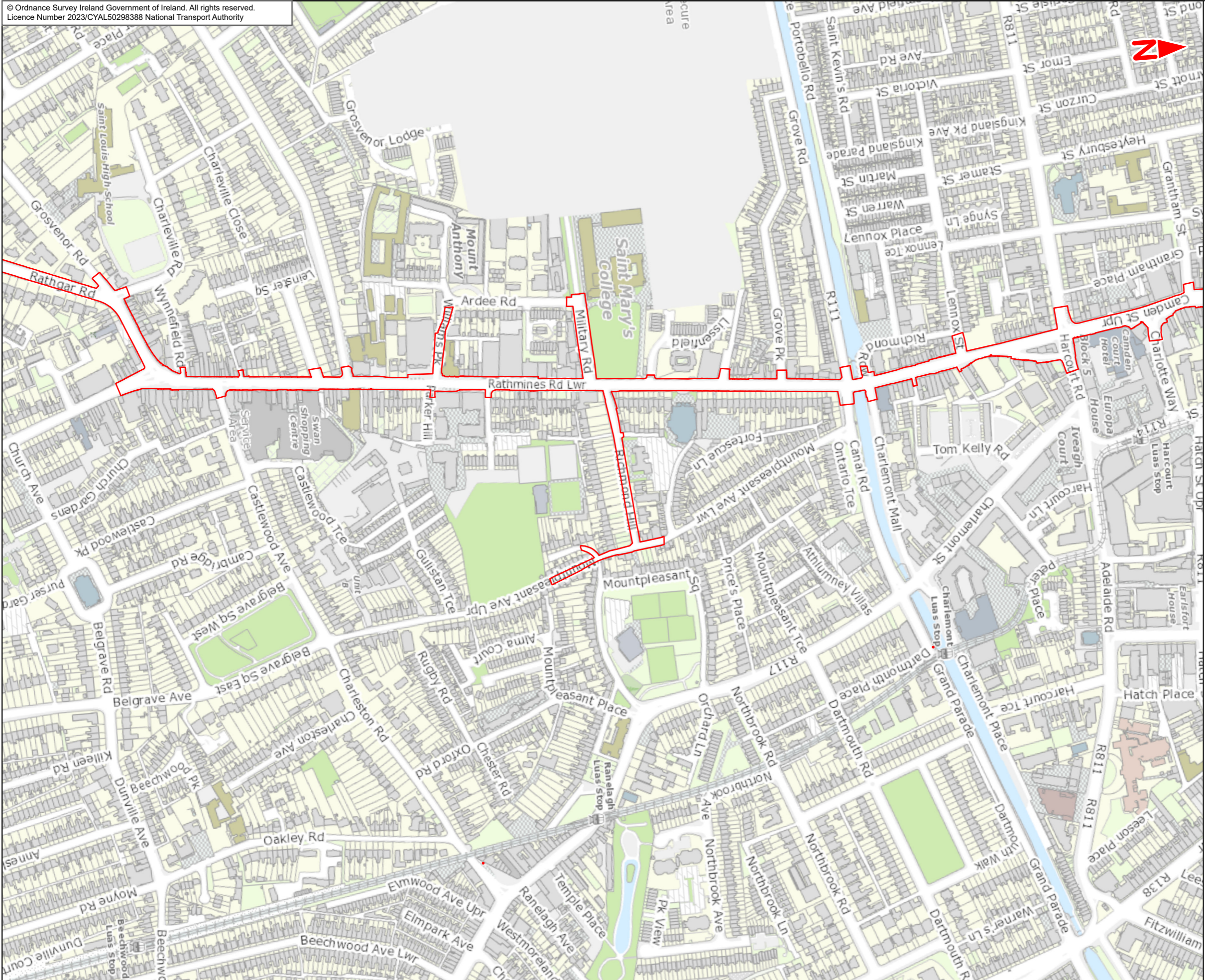
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**JACOBS**  
**ARUP SYSTRA**

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 12.6 Non-Native Invasive Plant Species Survey Results			
Drawing File Name BCIDE-JAC-ENV BD-1012_XX_00-DR-GG-0704	Sheet Number 4 of 8	Status A	Rev M01

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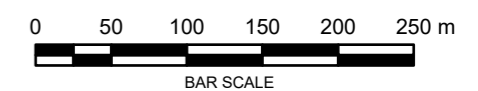




**Legend :**  
 Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme

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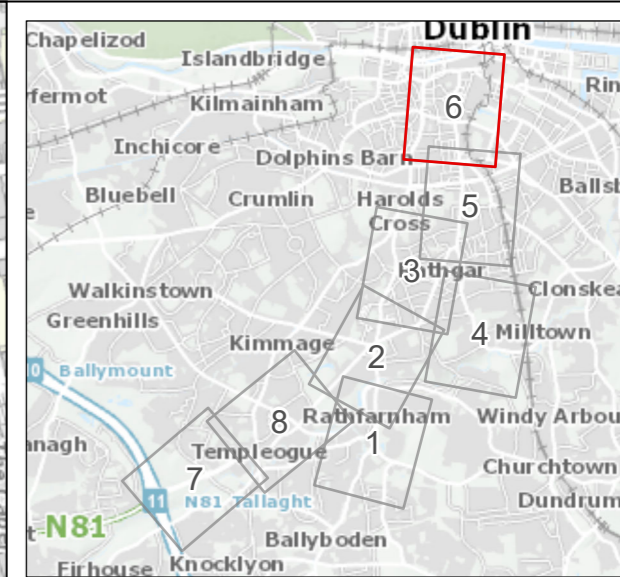
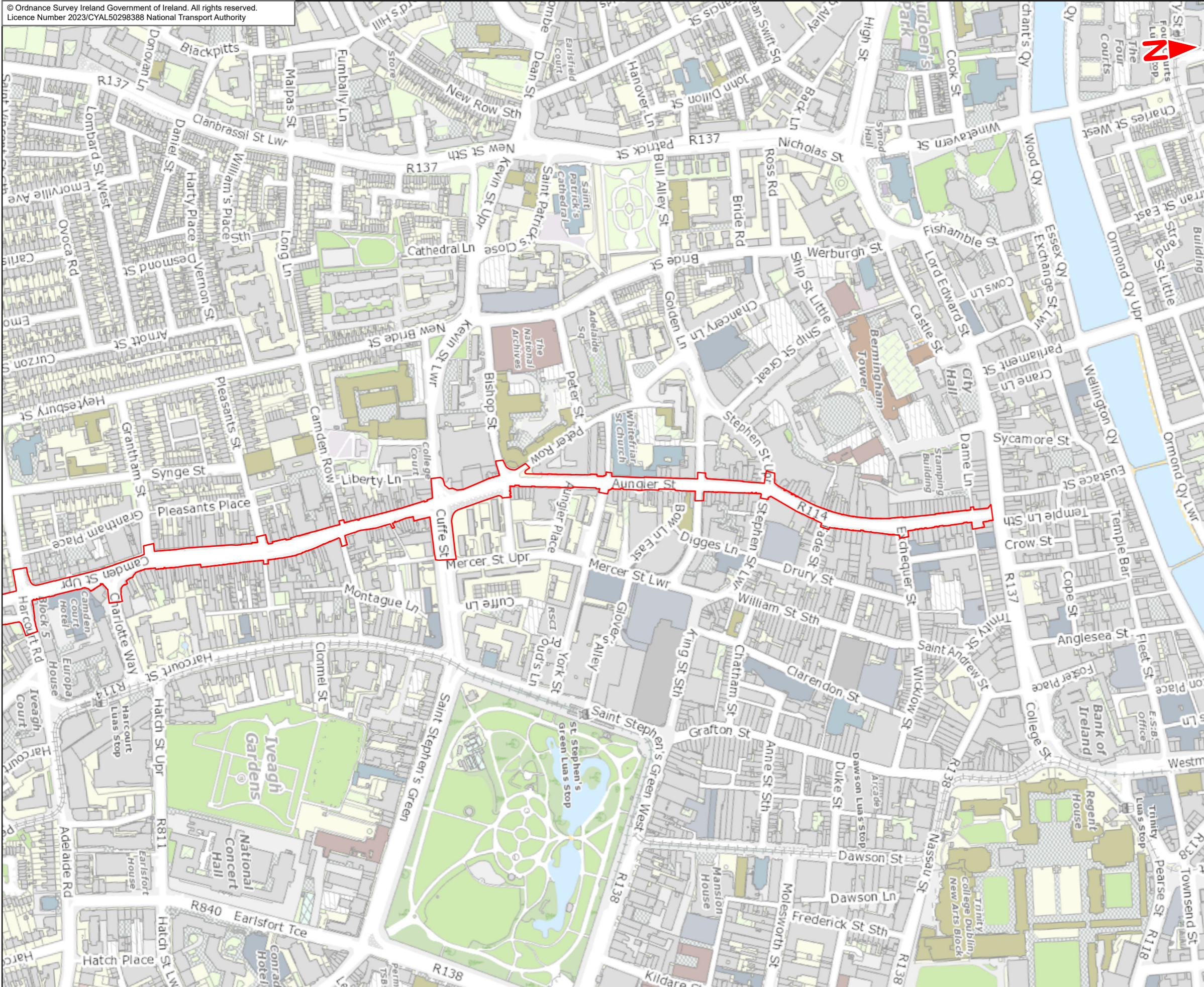
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National Transport Authority

Consultant: **JACOBS ARUP SYSTRA**

Date: 09/02/2023 Scale @ A3: 1:5 000  
 Project Code: BCIDE Originator Code: JAC

Drawn: FC Checked: PW Approved: DK  
 QMS Code:

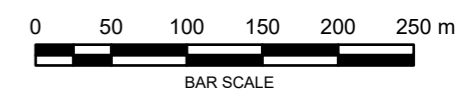
Programme Title: <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title: Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 12.6			
Non-Native Invasive Plant Species Survey Results			
Drawing File Name: BCIDE-JAC-ENV BD-1012_XX_00-DR-GG-0705	Sheet Number: 5 of 8	Status: A	Rev: M01



**Legend :**  
 Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme

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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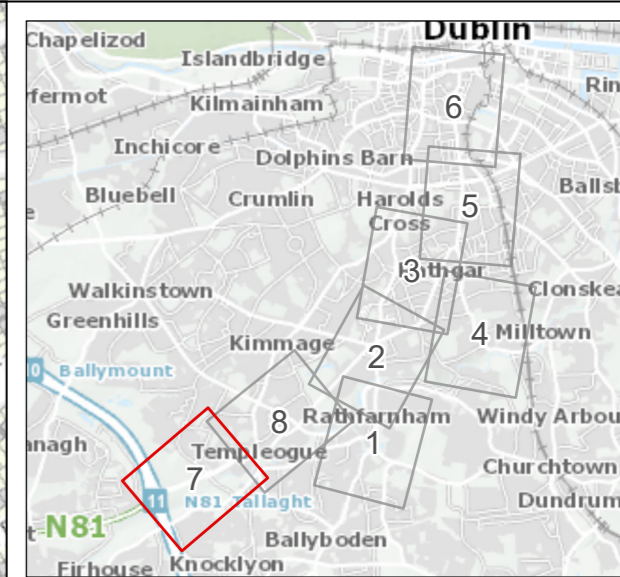
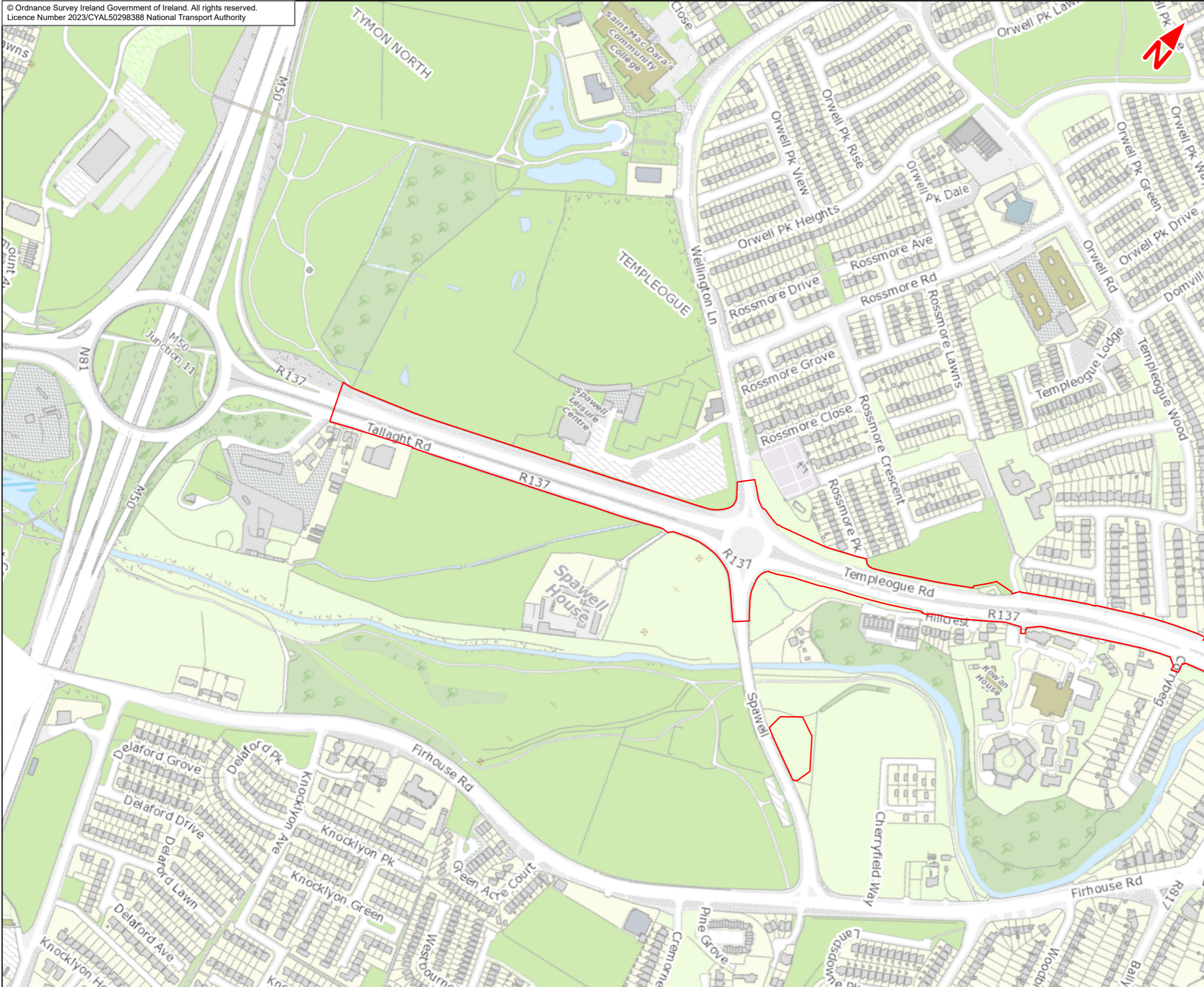
Rev	Date	Drn	Chk'd	App'd	Description
M01	Feb 2023	FC	PW	DK	ISSUE FOR PHASE 4 : PLANNING

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 Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 12.6 Non-Native Invasive Plant Species Survey Results			
Drawing File Name BCIDE-JAC-ENV_BD-1012_XX_00-DR-GG-0706	Sheet Number 6 of 8	Status A	Rev M01

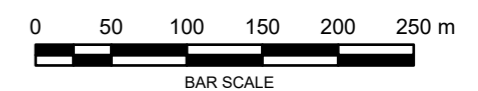
Date 09/02/2023	Scale @ A3 1:5 000	Drawn FC	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		



**Legend :**  
 Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme

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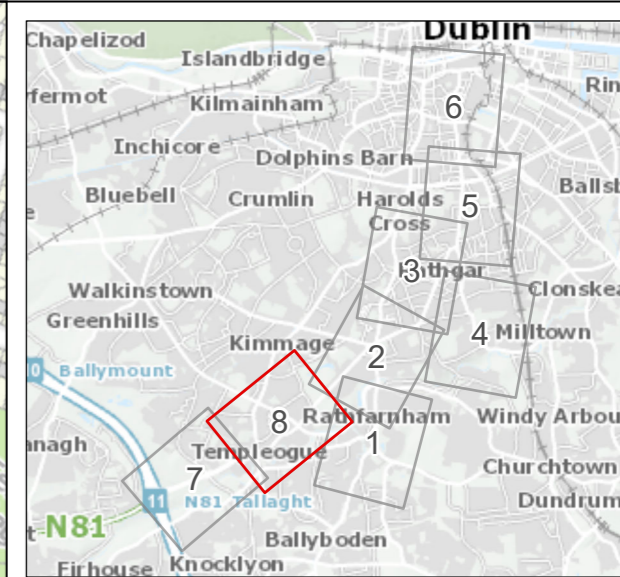
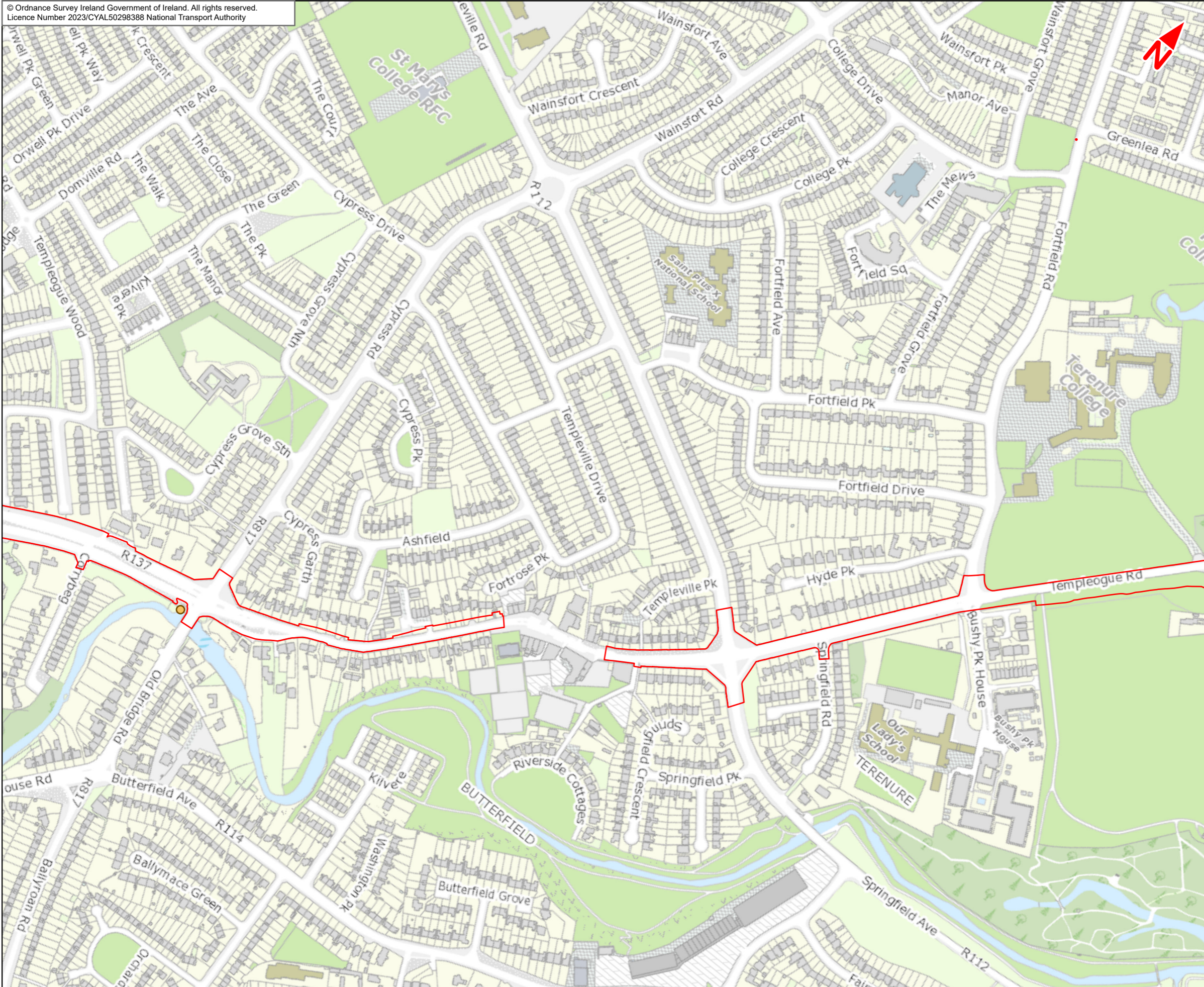
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Client: **NTA**  
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National Transport Authority

Consultant: **JACOBS ARUP SYSTRA**

Date: 09/02/2023 Scale @ A3: 1:5 000  
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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: Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 12.6 Non-Native Invasive Plant Species Survey Results			
Drawing File Name: BCIDE-JAC-ENV BD-1012_XX_00-DR-GG-0707	Sheet Number: 7 of 8	Status: A	Rev: M01



**Legend :**

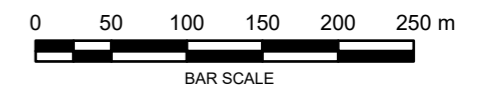
Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme

**Species Name**

● *Impatiens glandulifera*

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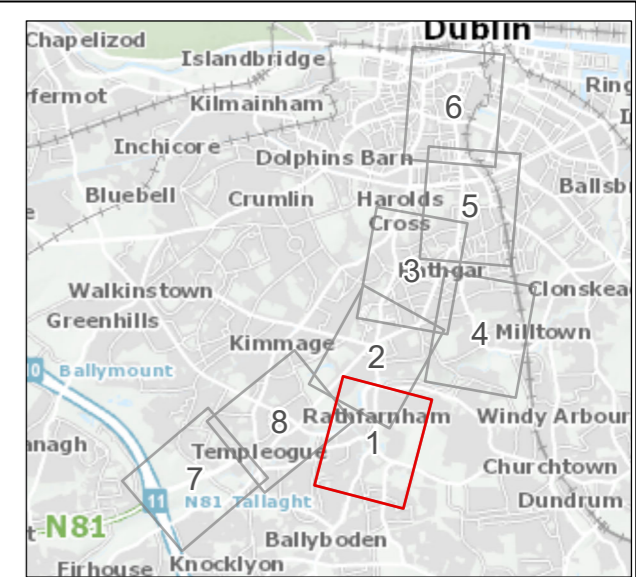
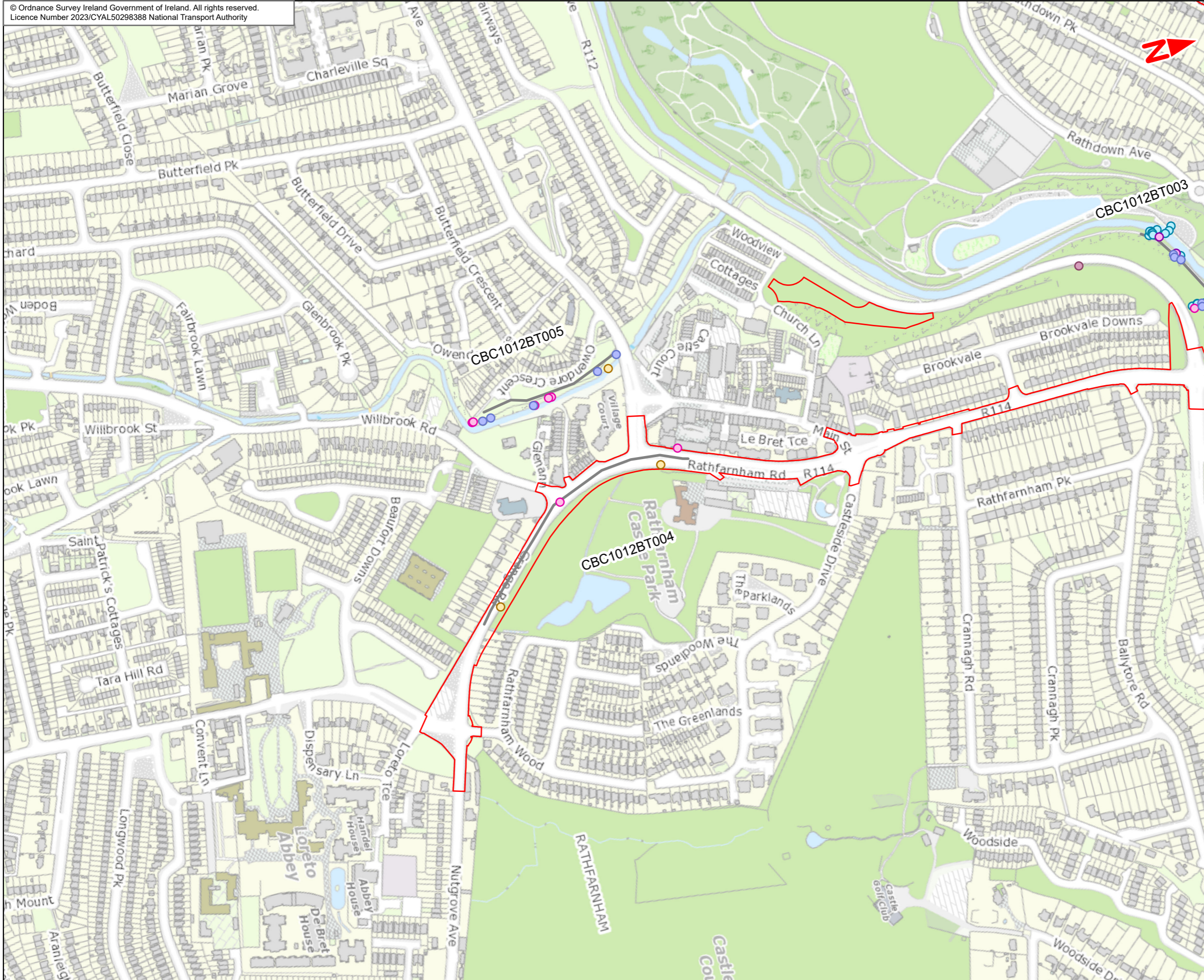
Client <b>NTA</b> Udarás Náisiúnta Iompair National Transport Authority		Consultant <b>JACOBS</b> <b>ARUP SYSTRA</b>		
Date 09/02/2023	Scale @ A3 1:5 000	Drawn FC	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

Programme Title <b>BUSCONNECTS DUBLIN</b> <b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 12.6 Non-Native Invasive Plant Species Survey Results				
Drawing File Name BCIDE-JAC-ENV_BD-1012_XX_00-DR-GG-0708	Sheet Number 8 of 8	Status A	Rev M01	

The background of the slide is a vibrant yellow. It is decorated with several abstract, overlapping shapes in shades of blue and green. These shapes include rounded rectangles, elongated ovals, and curved bands. Interspersed among these shapes are several white circles of varying sizes, some of which are partially enclosed by the colored shapes. The overall aesthetic is modern and geometric.

## 12.7.1

### Bat Survey Results: Bat Activity Survey Results



**Legend :**

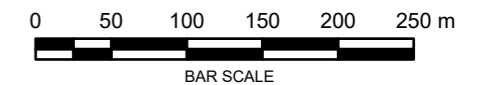
Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme

Bat Survey Transects

**Bat Species**

- *Myotis daubentonii*
- *Myotis sp.*
- *Nyctalus leisleri*
- *Pipistrellus pipistrellus*
- *Pipistrellus pygmaeus*
- *Pipistrellus sp.*

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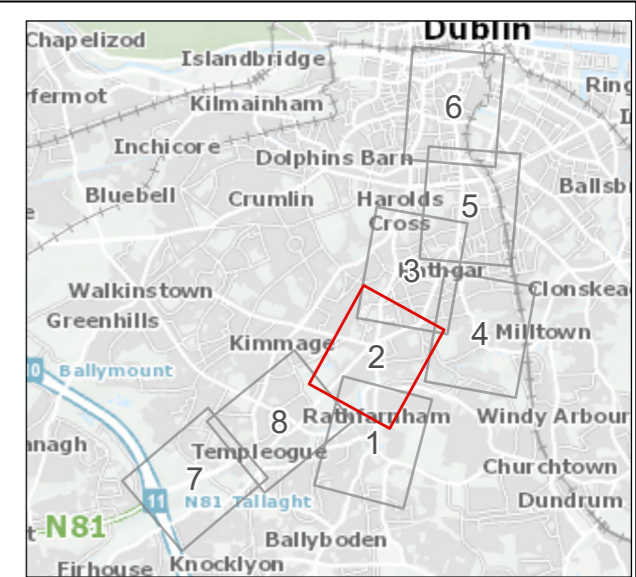
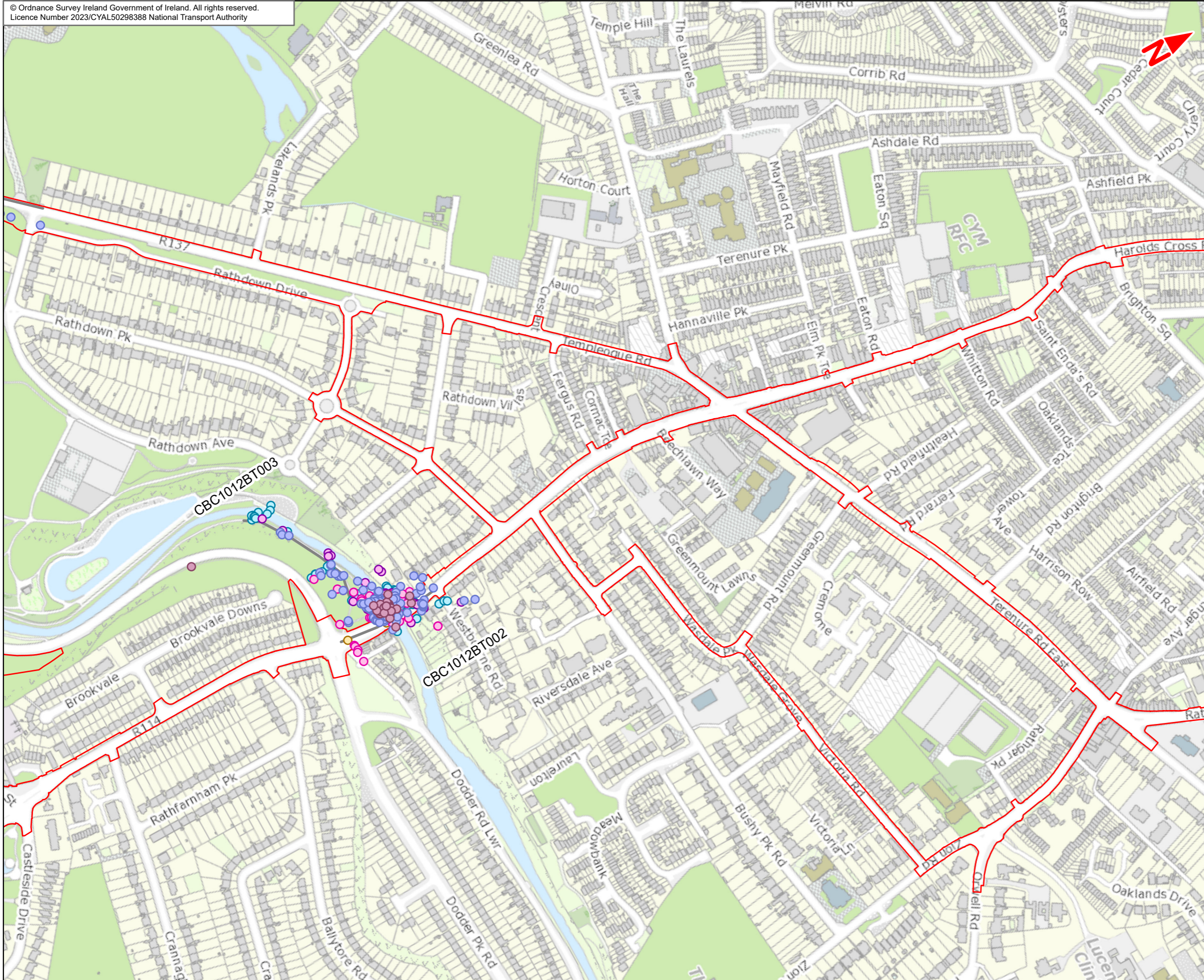
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**Consultant**  
**Jacobs**  
**ARUP SYSTRA**

Drawn: FC  
Checked: PW  
Approved: DK

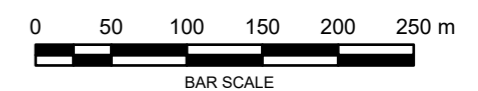
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Programme Title <b>BUSCONNECTS DUBLIN</b> <b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 12.7.1 Bat Survey Results: Bat Activity Survey Results			
Drawing File Name BCIDE-JAC-ENV_BD-1012_XX_00-DR-GG-0401	Sheet Number 1 of 8	Status A	Rev M01



- Legend :**
- Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme
  - Bat Survey Transects
- Bat Species**
- *Myotis daubentonii*
  - *Myotis sp.*
  - *Nyctalus leisleri*
  - *Pipistrellus pipistrellus*
  - *Pipistrellus pygmaeus*
  - *Pipistrellus sp.*

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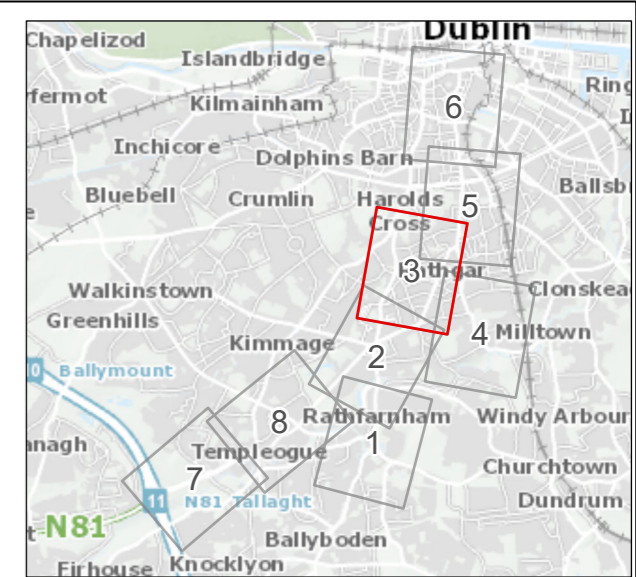
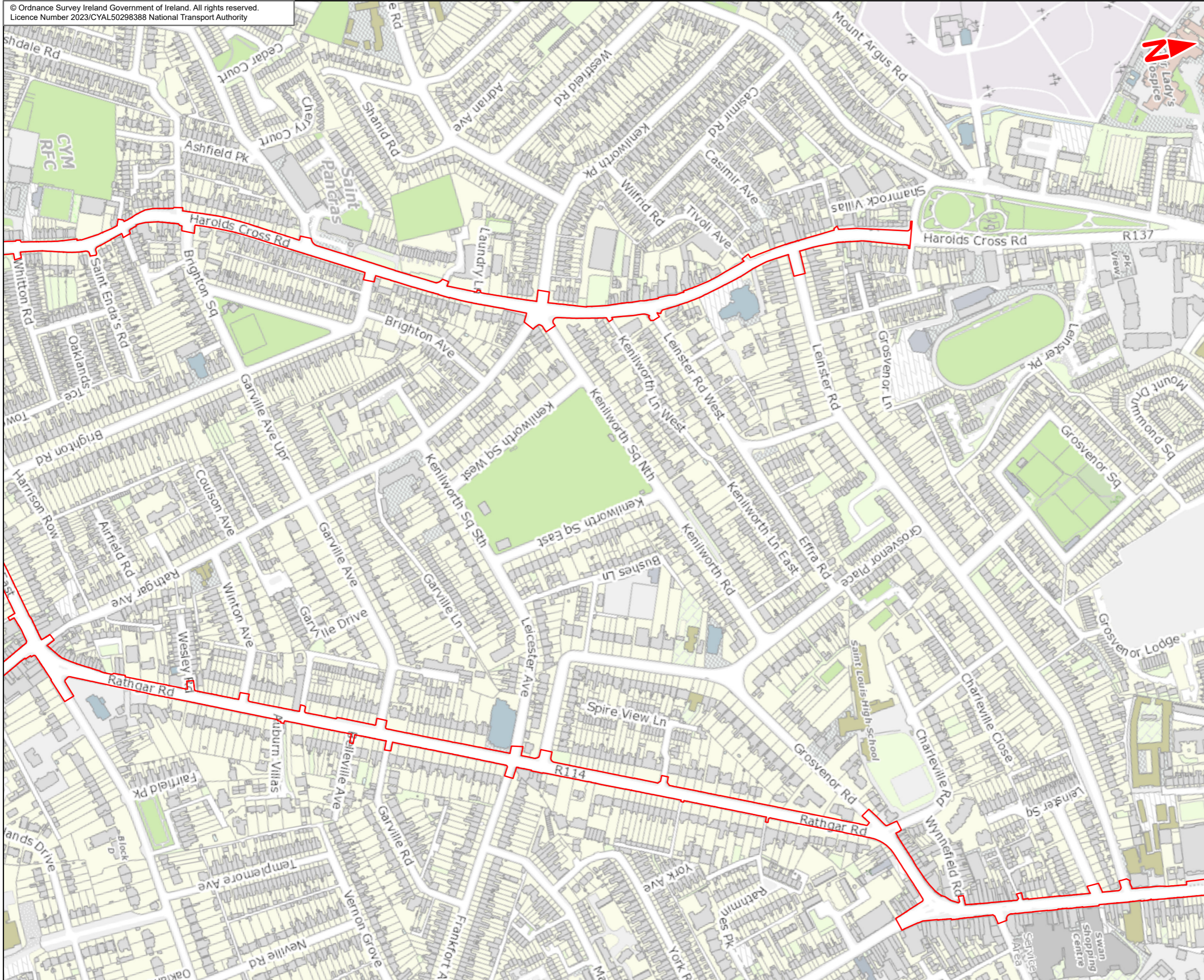
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Scale @ A3: 1:5 000

Project Code: BCIDE  
Originator Code: JAC

Consultant: **Jacobs ARUP SYSTRA**

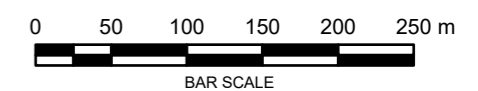
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Checked: PW  
Approved: DK

Programme Title: <b>BUSCONNECTS DUBLIN</b>			
Core Bus Corridors Infrastructure Works			
Drawing Title: Templeogue / Rathfarnham 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-1012_XX_00-DR-GG-0402	Sheet Number: 2 of 8	Status: A	Rev: M01



**Legend :**  
 Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme

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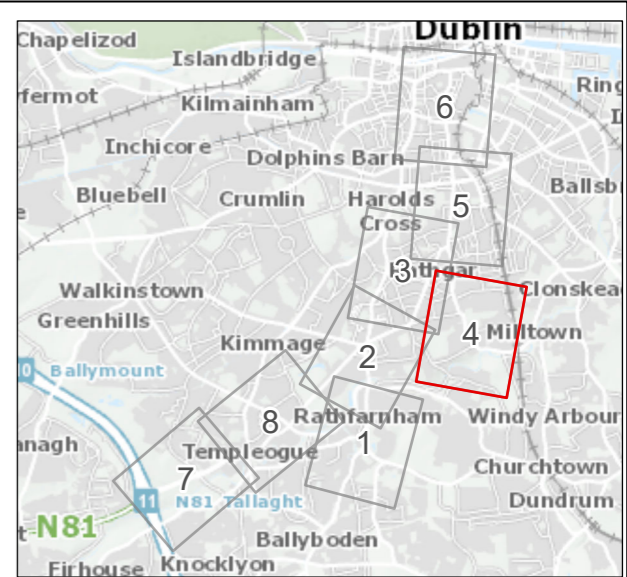
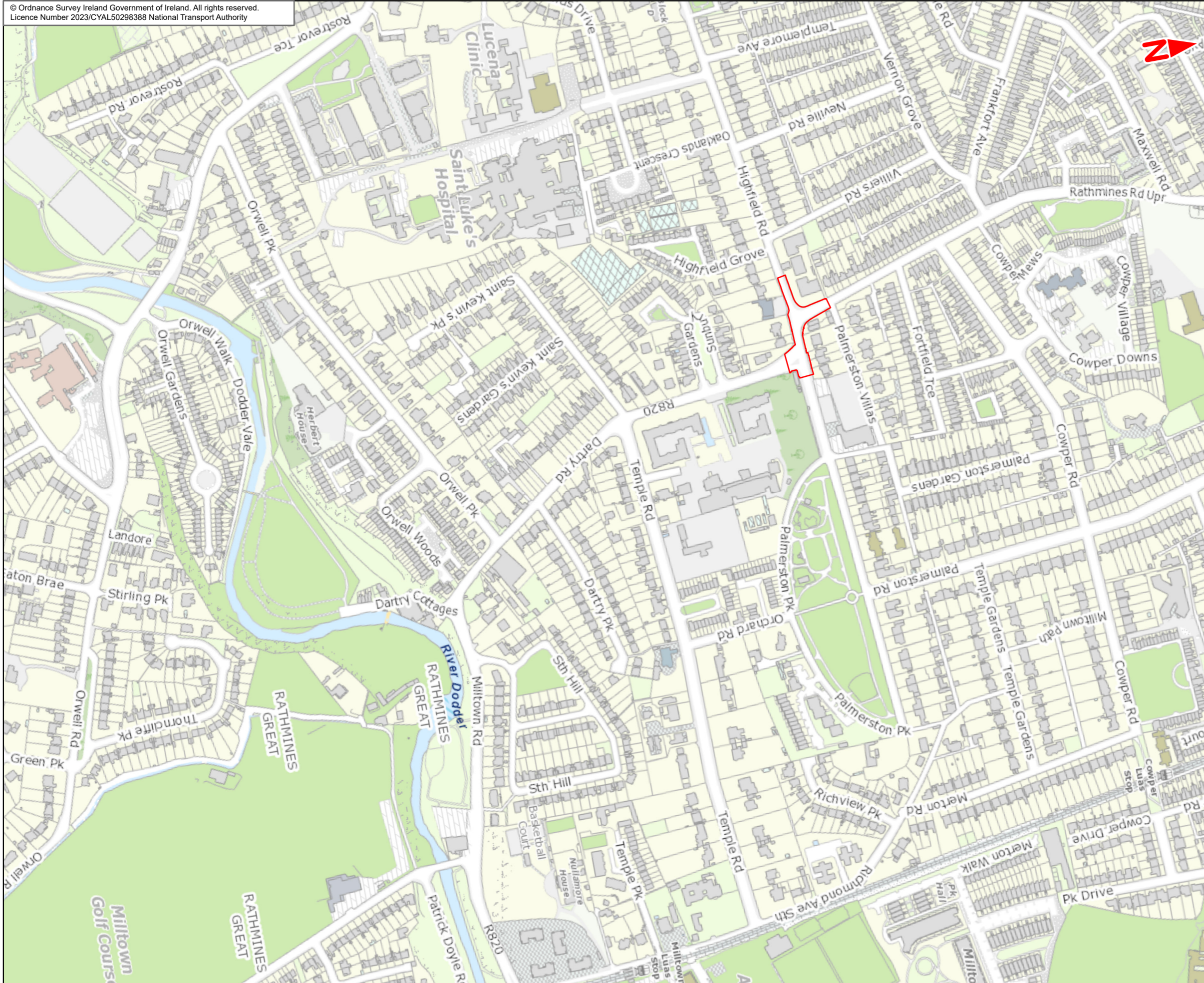
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Consultant: **JACOBS ARUP SYSTRA**

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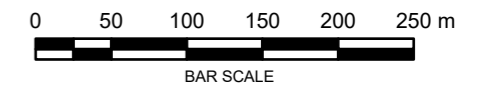
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CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 12.7.1			
Bat Survey Results: Bat Activity Survey Results			
Drawing File Name: BCIDE-JAC-ENV_BD-1012_XX_00-DR-GG-0403	Sheet Number: 3 of 8	Status: A	Rev: M01





**Legend :**  
 Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme

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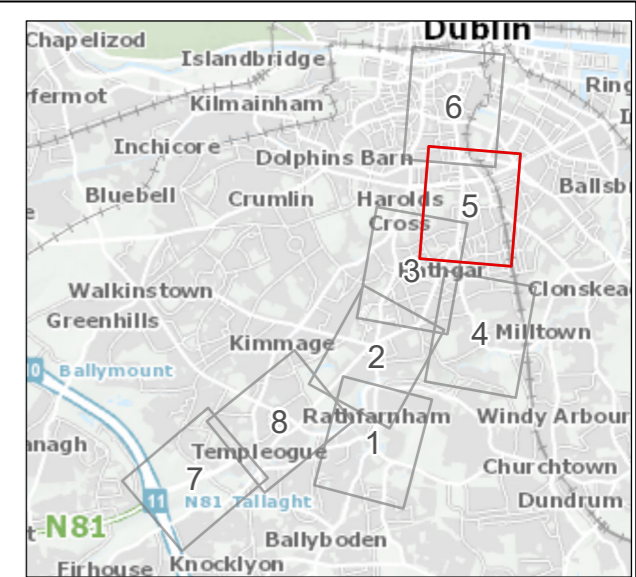
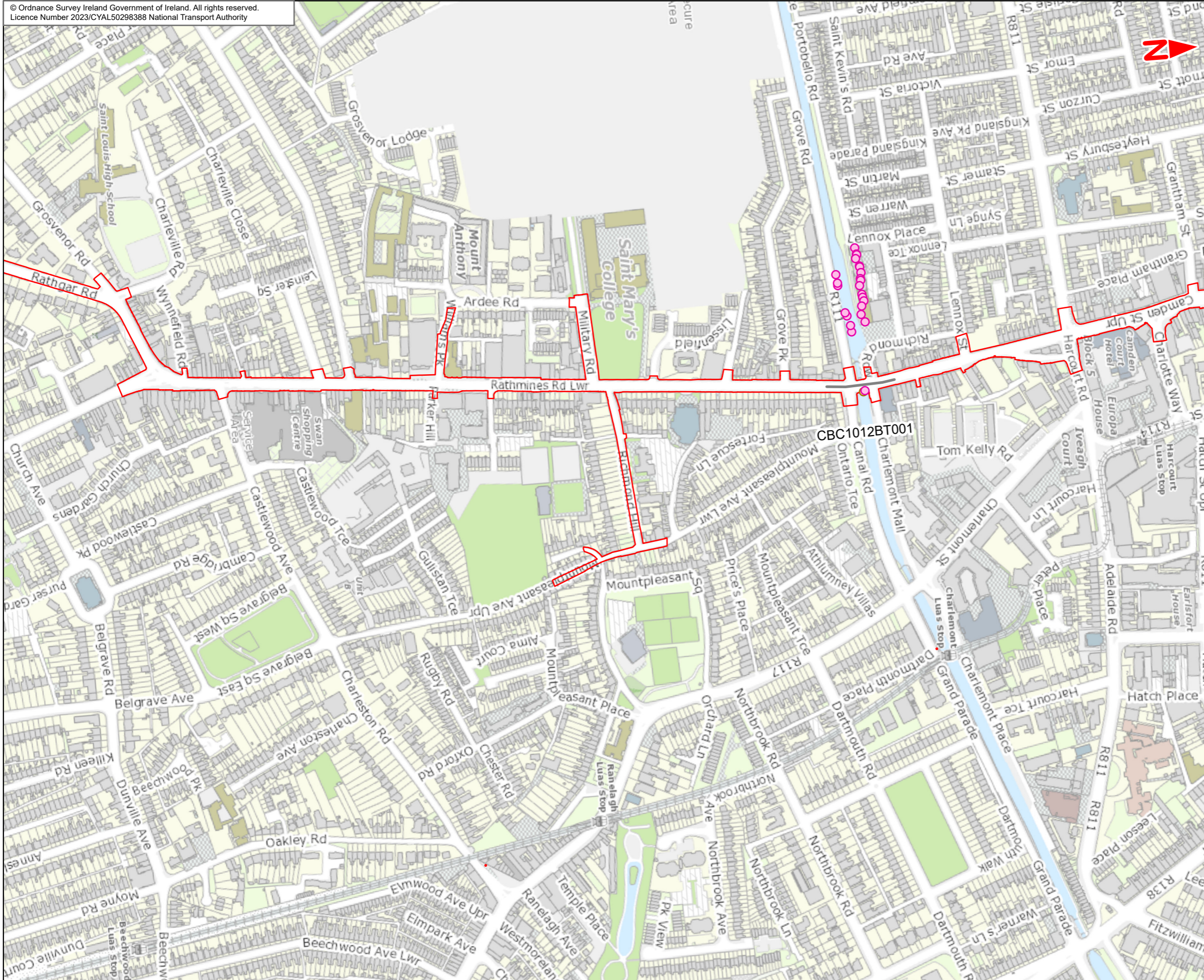
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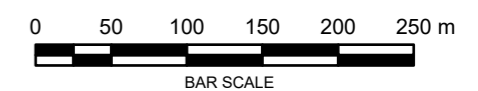
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Drawing Title <b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 12.7.1 Bat Survey Results: Bat Activity Survey Results			
Drawing File Name BCIDE-JAC-ENV_BD-1012_XX_00-DR-GG-0404	Sheet Number 4 of 8	Status A	Rev M01



- Legend :**
- Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme
  - Bat Survey Transects
- Bat Species**
- *Nyctalus leisleri*
  - *Pipistrellus pipistrellus*

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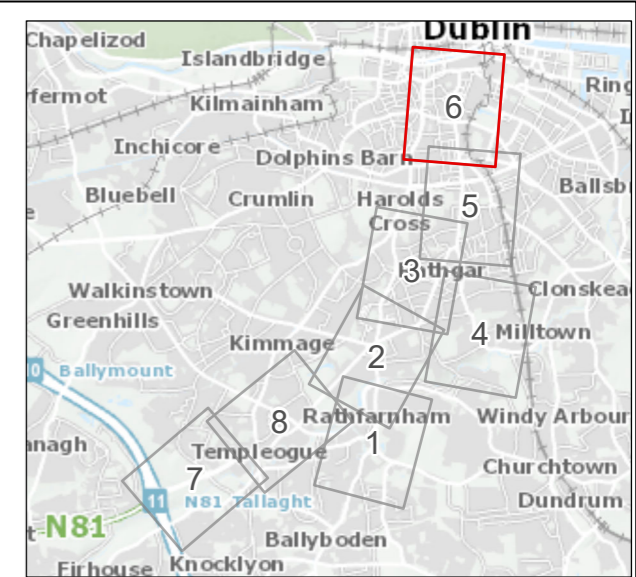
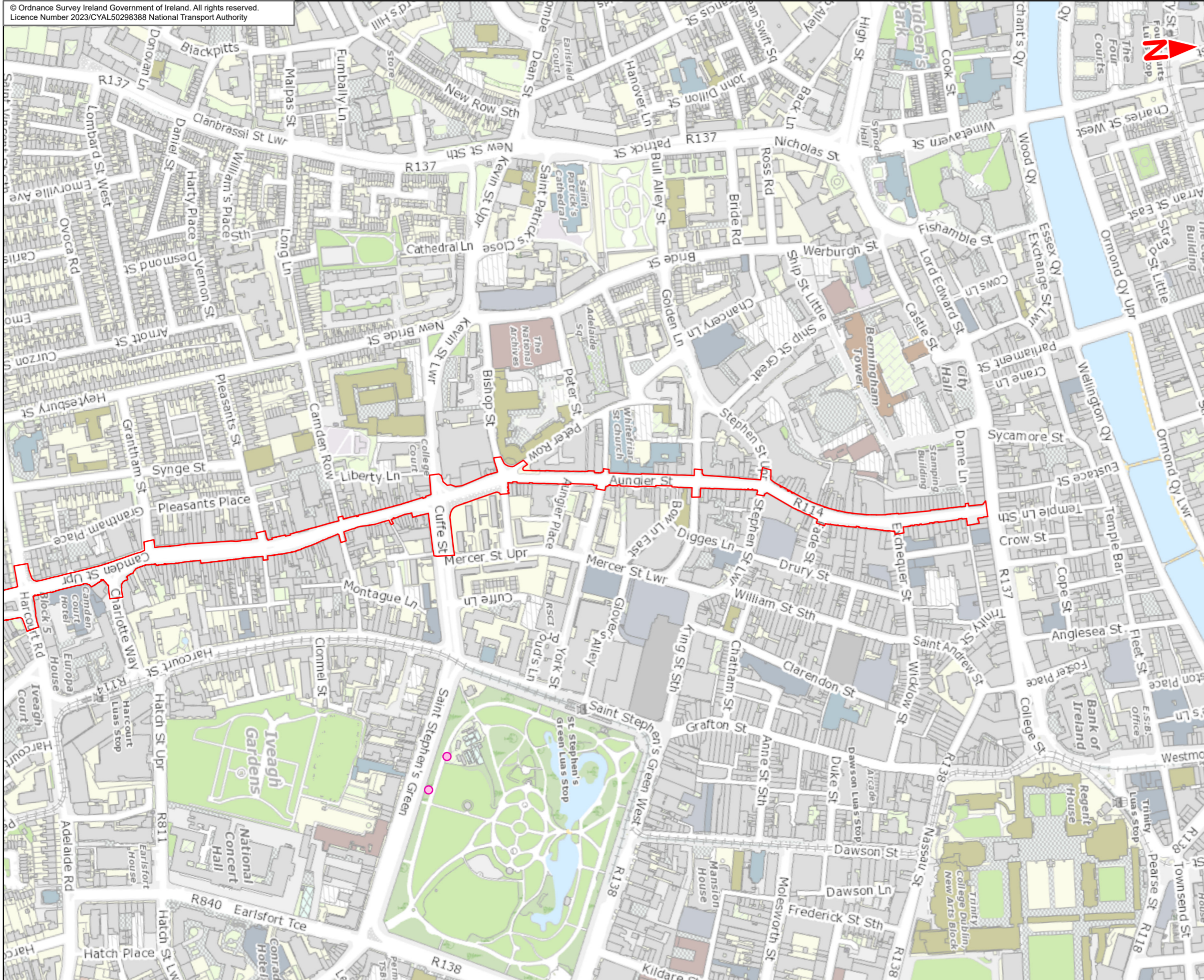
Rev	Date	Dwn	Chk'd	App'd	Description
M01	Feb 2023	FC	PW	DK	ISSUE FOR PHASE 4: PLANNING

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

Consultant  
**Jacobs**  
**ARUP SYSTRA**

Programme Title <b>BUSCONNECTS DUBLIN</b> <b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Templeogue / Rathfarnham 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-1012_XX_00-DR-GG-0405	Sheet Number 5 of 8	Status A	Rev M01	

Date 14/02/2023	Scale @ A3 1:5 000	Drawn FC	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		



- Legend :**
- Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme
  - *Pipistrellus pipistrellus*

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0 50 100 150 200 250 m  
BAR SCALE

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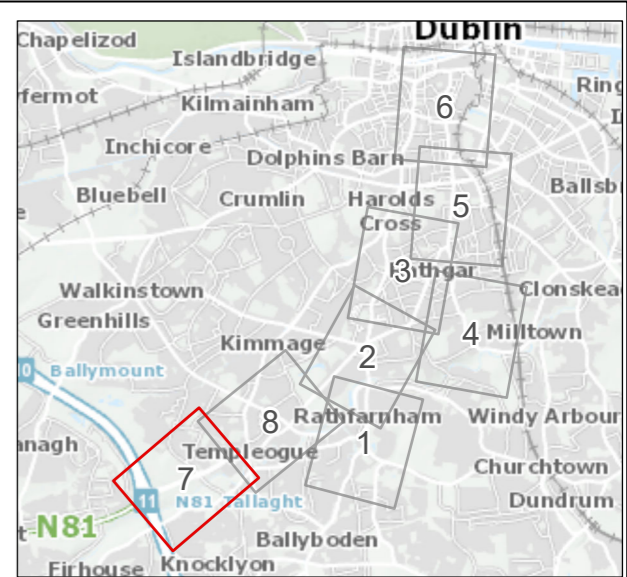
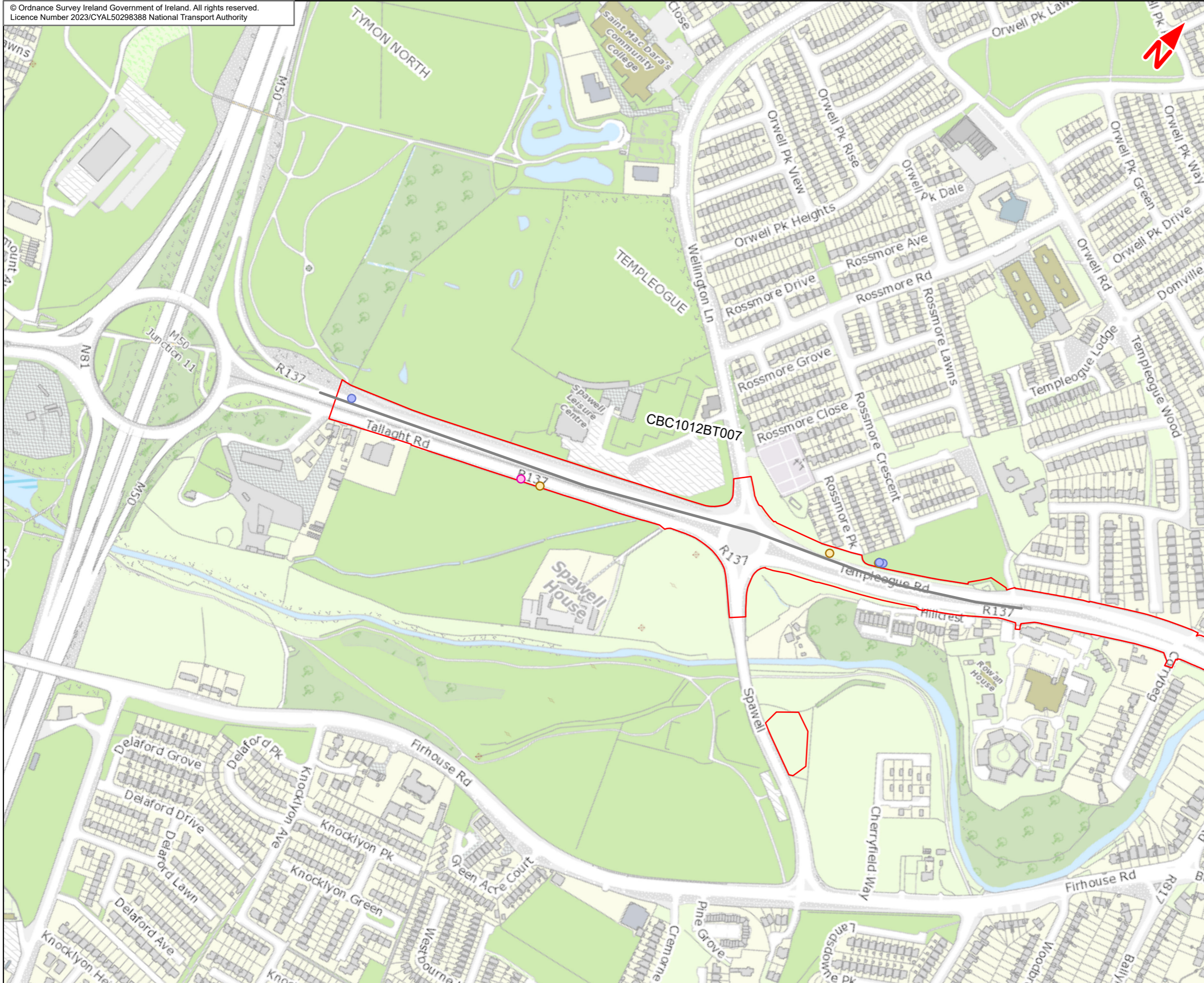
**NTA**  
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National Transport Authority

**Jacobs**  
**ARUP SYSTRA**

Date: 14/02/2023 | Scale @ A3: 1:5 000  
Project Code: BCIDE | Originator Code: JAC

Drawn: FC | Checked: PW | Approved: DK

Programme Title <b>BUSCONNECTS DUBLIN</b>			
CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title Templeogue / Rathfarnham 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-1012_XX_00-DR-GG-0406	Sheet Number 6 of 8	Status A	Rev M01



**Legend :**

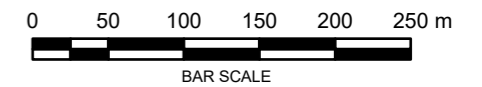
Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme

— Bat Survey Transects

**Bat Species**

- *Nyctalus leisleri*
- *Pipistrellus pipistrellus*
- *Pipistrellus pygmaeus*

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Date: 14/02/2023  
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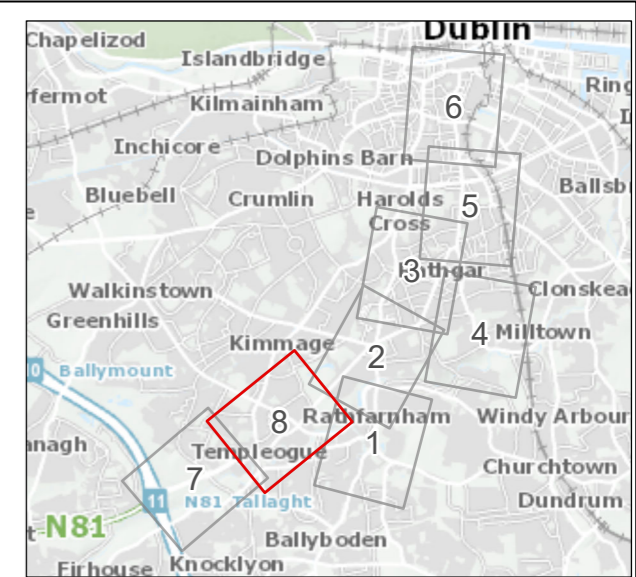
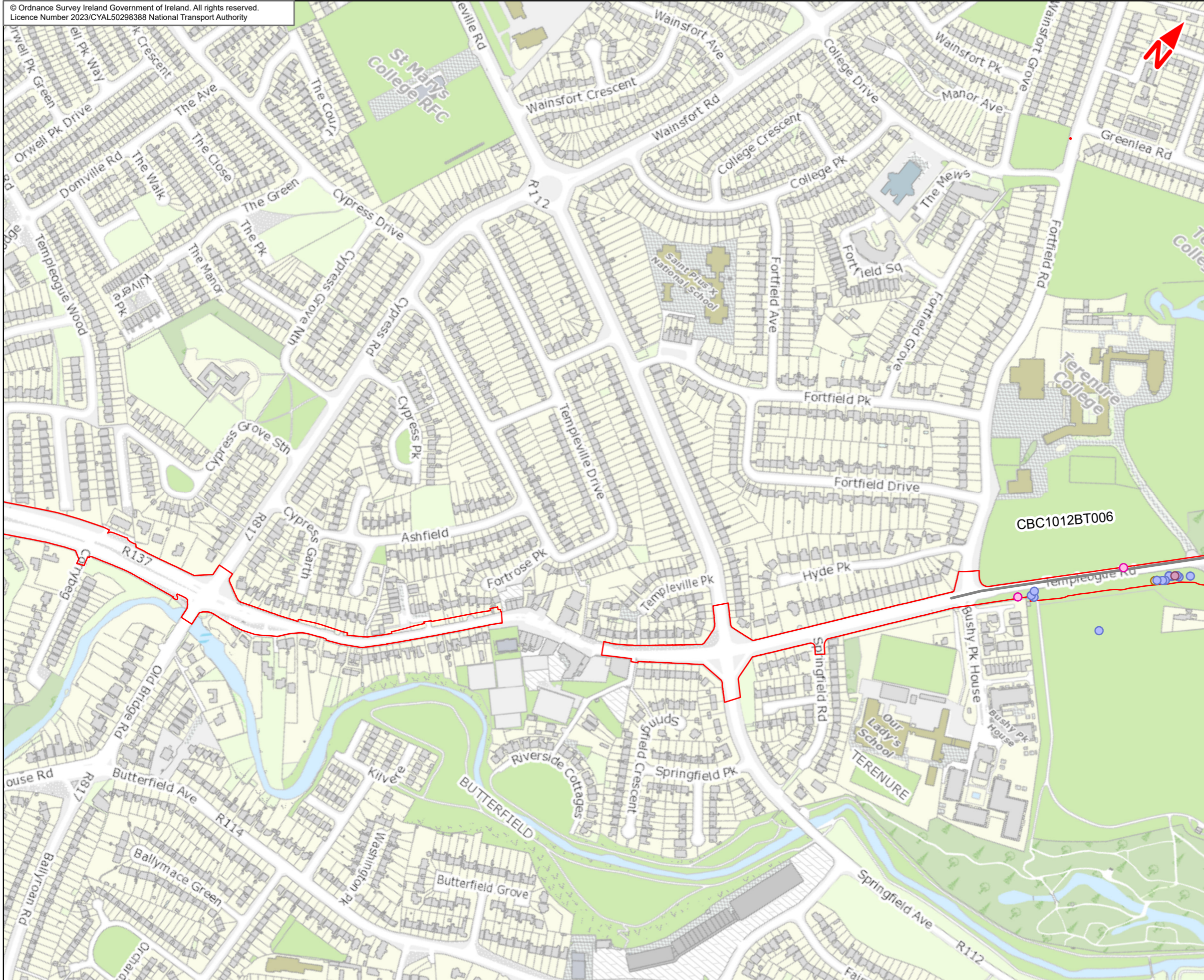
Project Code: BCIDE  
Originator Code: JAC

Consultant  
**Jacobs**  
**ARUP SYSTRA**

Drawn: FC  
Checked: PW  
Approved: DK

QMS Code

Programme Title <b>BUSCONNECTS DUBLIN</b> <b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title Templeogue / Rathfarnham 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-1012_XX_00-DR-GG-0407	Sheet Number 7 of 8	Status A	Rev M01



**Legend :**

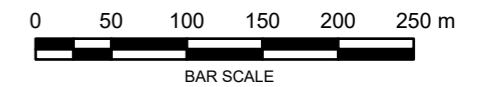
Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme

Bat Survey Transects

**Bat Species**

- *Nyctalus leisleri*
- *Pipistrellus pipistrellus*
- *Pipistrellus pygmaeus*
- *Pipistrellus sp.*

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National Transport Authority

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

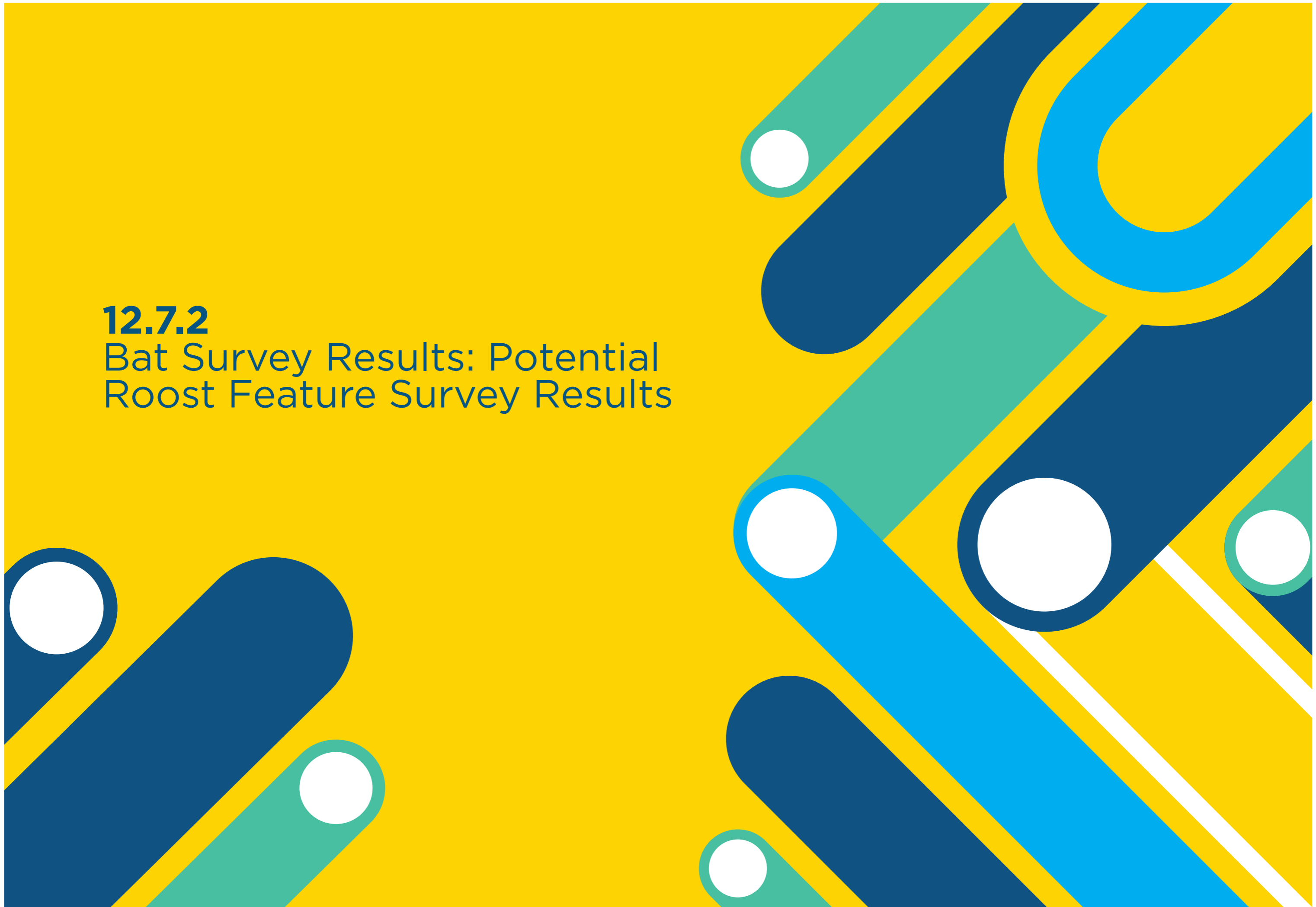
Date: 14/02/2023 | Scale @ A3: 1:5 000  
Project Code: BCIDE | Originator Code: JAC

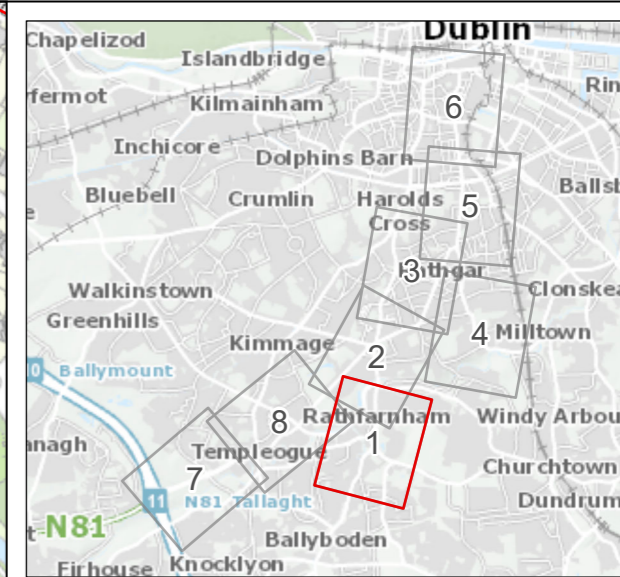
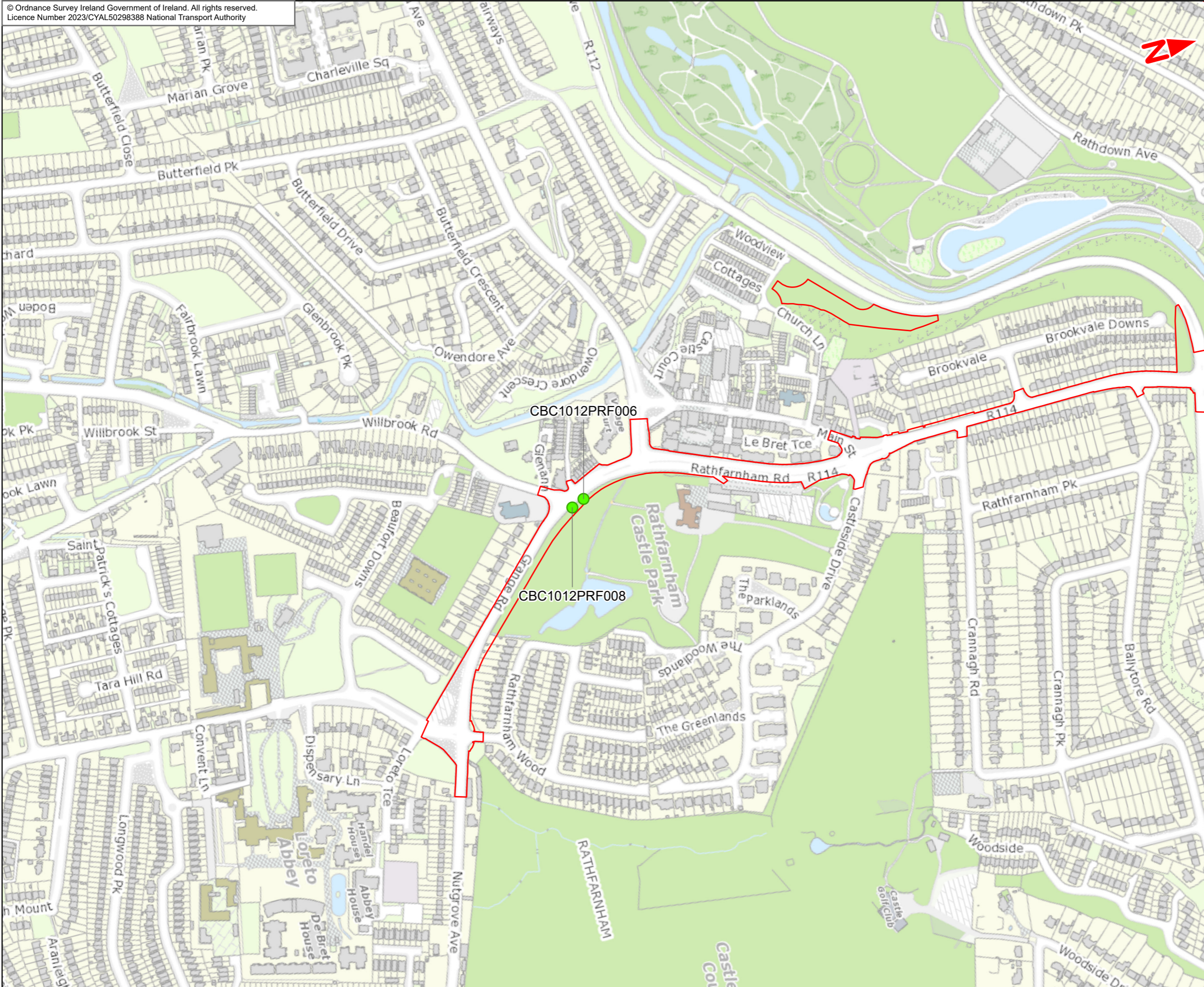
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<b>Programme Title</b> BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
<b>Drawing Title</b> Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 12.7.1 Bat Survey Results: Bat Activity Survey Results			
Drawing File Name BCIDE-JAC-ENV_BD-1012_XX_00-DR-GG-0408	Sheet Number 8 of 8	Status A	Rev M01

## 12.7.2

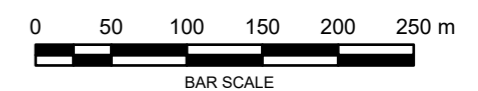
### Bat Survey Results: Potential Roost Feature Survey Results





- Legend :**
- Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme
  - Potential Roost Features

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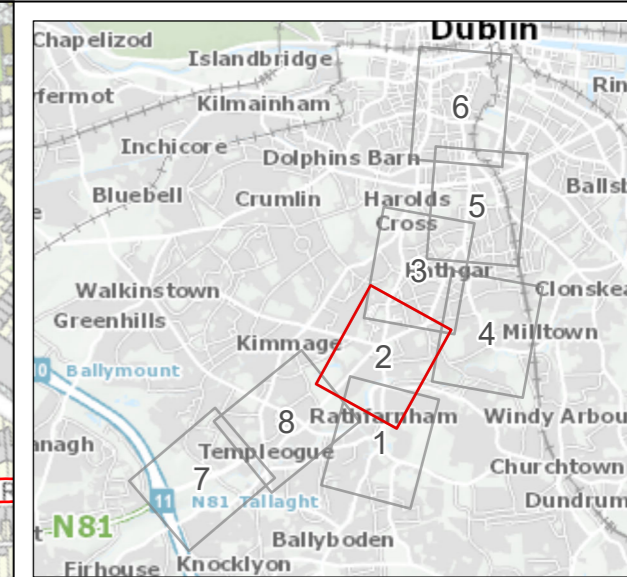
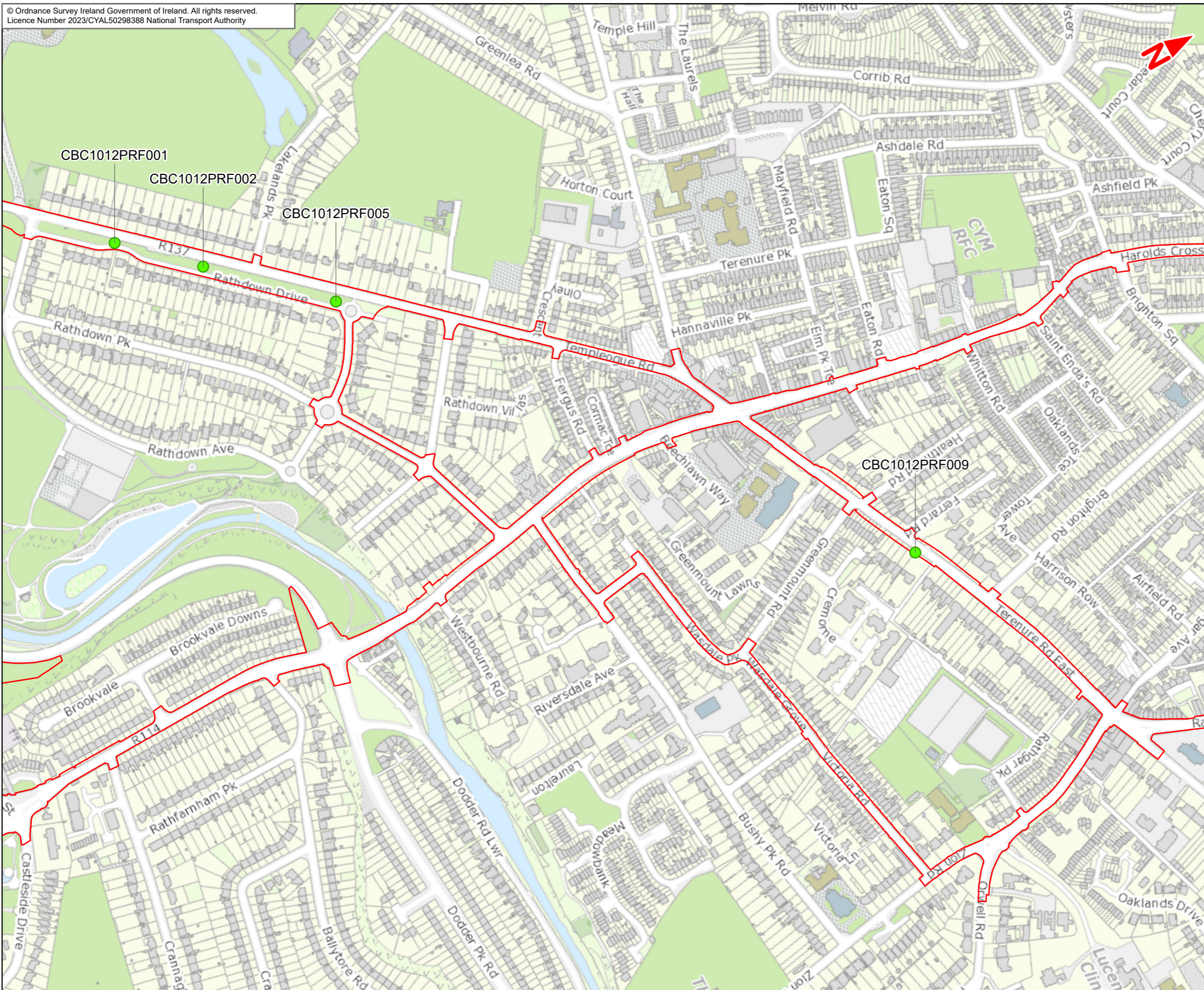
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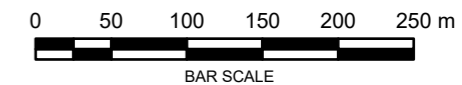
Client <b>NTA</b> Udarás Náisiúnta Iompair National Transport Authority		Consultant <b>JACOBS</b> <b>ARUP SYSTRA</b>		
Date 22/02/2023	Scale @ A3 1:5 000	Drawn FC	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

Programme Title <b>BUSCONNECTS DUBLIN</b> <b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Templeogue / Rathfarnham 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-1012_XX_00-DR-GG-0501	Sheet Number 1 of 8	Status A	Rev M01	



- Legend :**
- Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme
  - Potential Roost Features

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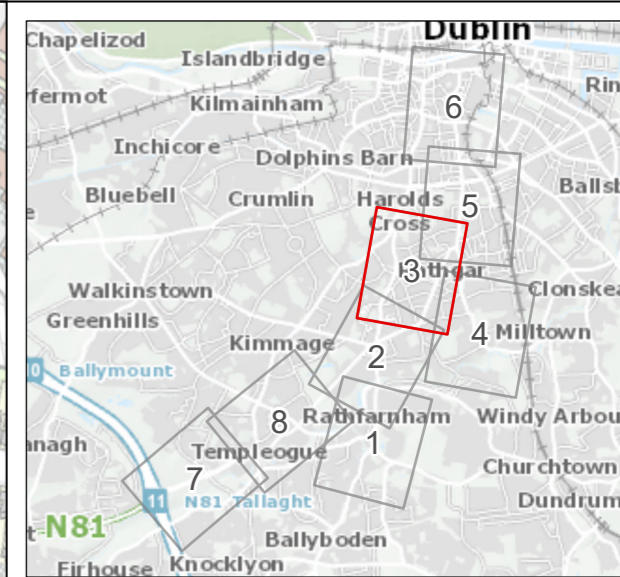
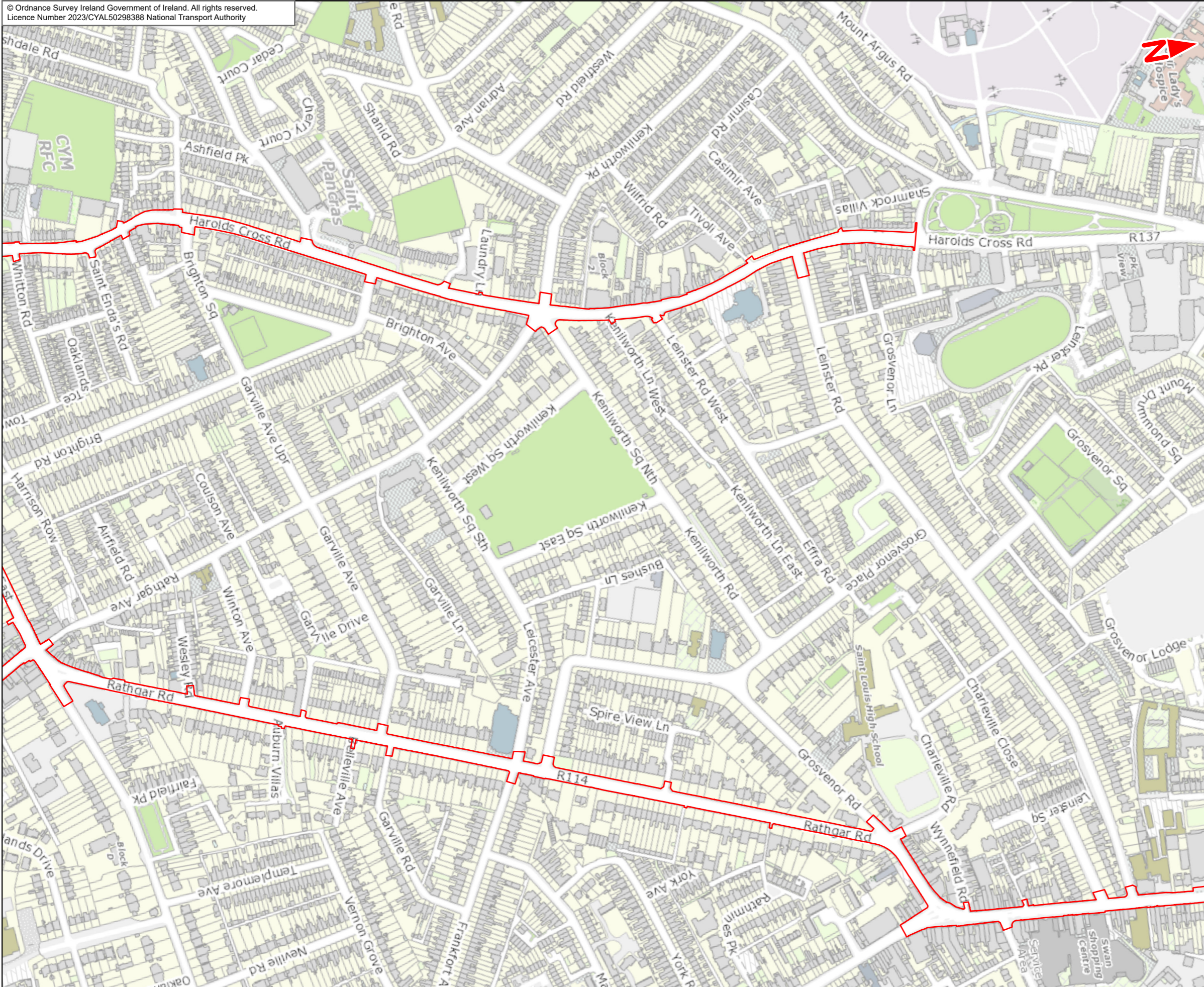


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Client <b>NTA</b> Udarás Náisiúnta Iompair National Transport Authority		Consultant <b>JACOBS</b> <b>ARUP SYSTRA</b>		
Date 22/02/2023	Scale @ A3 1:5 000	Drawn FC	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

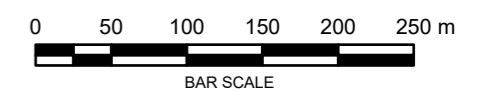
Programme Title <b>BUSCONNECTS DUBLIN</b> <b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 12.7.2 Bat Survey Results: Potential Roost Feature Survey Results				
Drawing File Name BCIDE-JAC-ENV BD-1012_XX_00-DR-GG-0502	Sheet Number 2 of 8	Status A	Rev M01	





**Legend :**  
 Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme

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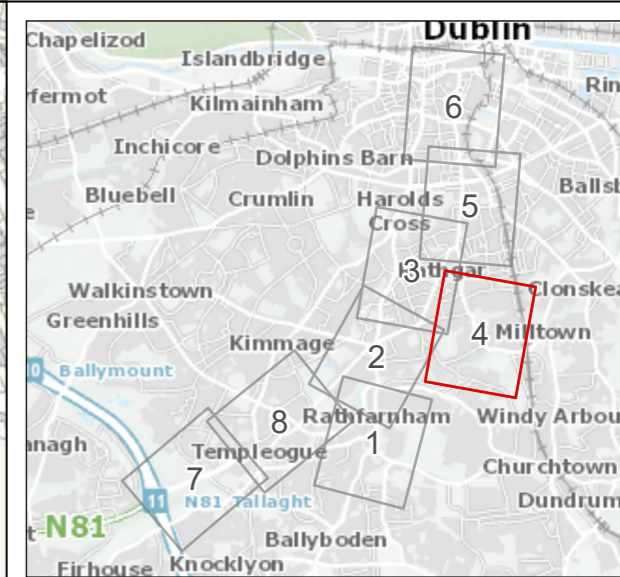
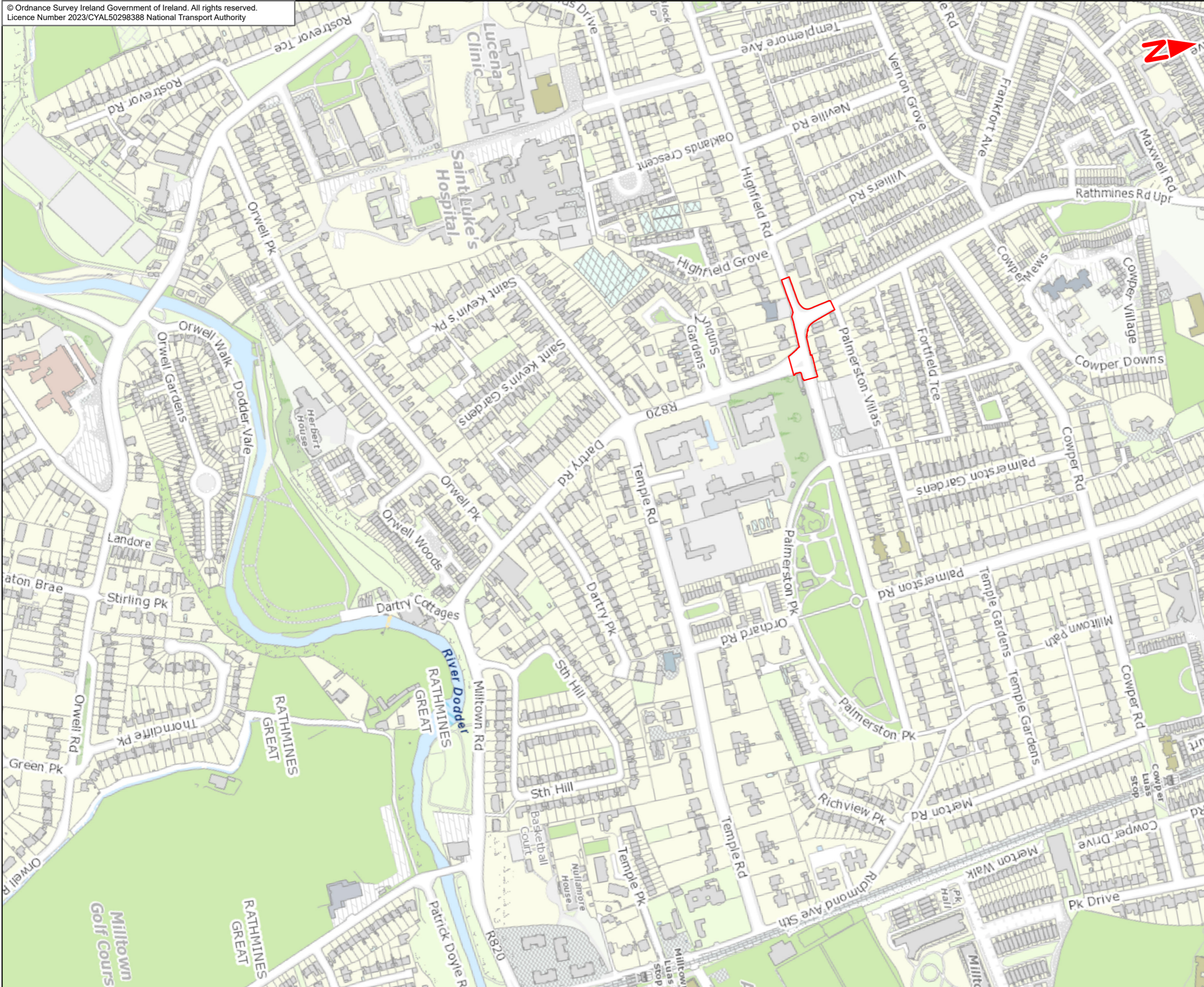
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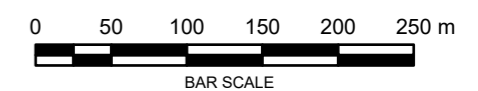
Client <b>NTA</b> Udarás Náisiúnta Iompair National Transport Authority		Consultant <b>JACOBS</b> <b>ARUP SYSTRA</b>		
Date 22/02/2023	Scale @ A3 1:5 000	Drawn FC	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

Programme Title <b>BUSCONNECTS DUBLIN</b> <b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Templeogue / Rathfarnham 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-1012_XX_00-DR-GG-0503	Sheet Number 3 of 8	Status A	Rev M01	



**Legend :**  
 Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme

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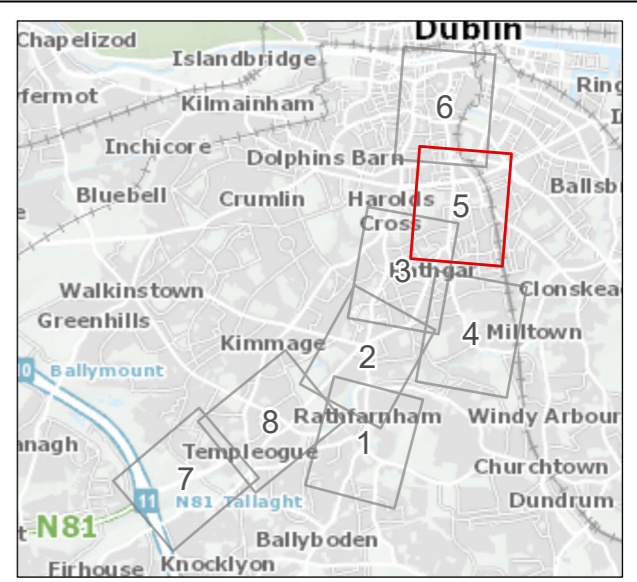
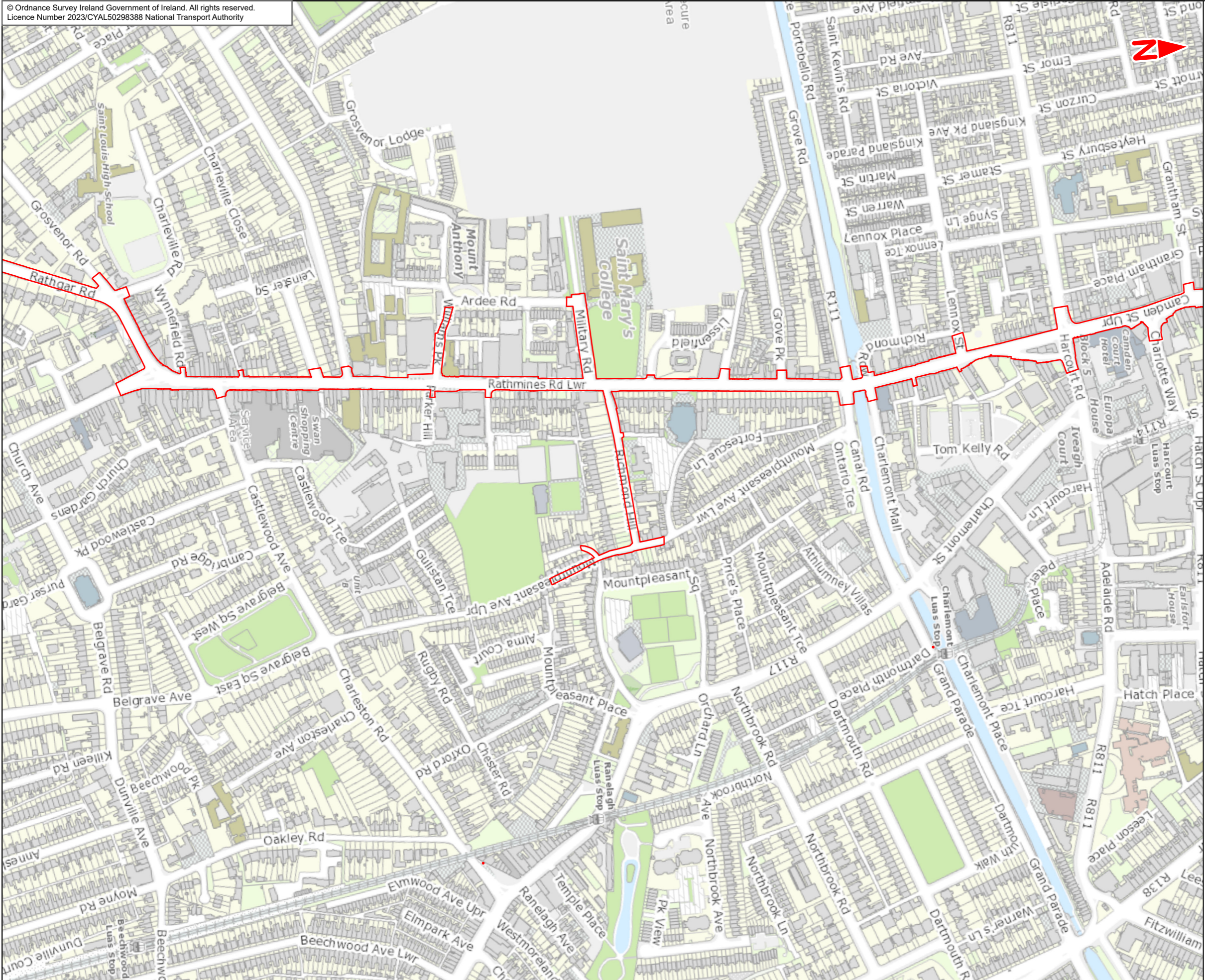
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Consultant  
**JACOBS**  
**ARUP SYSTRA**

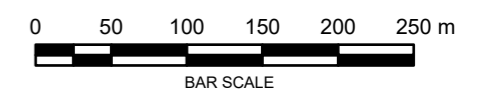
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Drawing Title Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 12.7.2 Bat Survey Results: Potential Roost Feature Survey Results				
Drawing File Name BCIDE-JAC-ENV BD-1012_XX_00-DR-GG-0504	Sheet Number 4 of 8	Status A	Rev M01	

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Project Code BCIDE	Originator Code JAC	QMS Code		



**Legend :**  
 Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme

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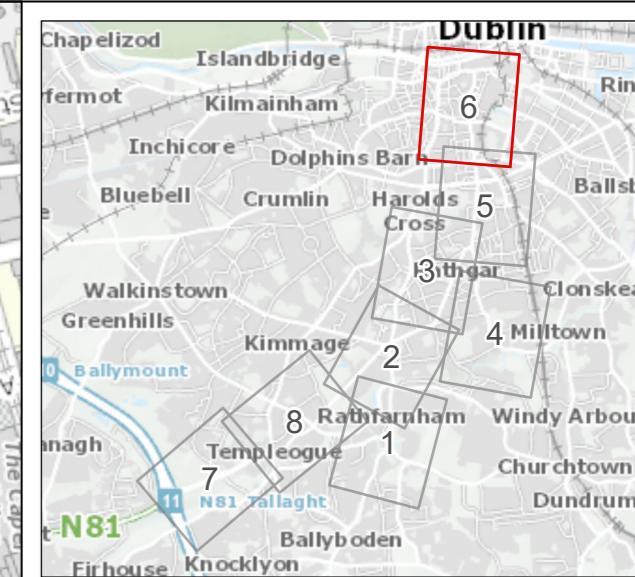
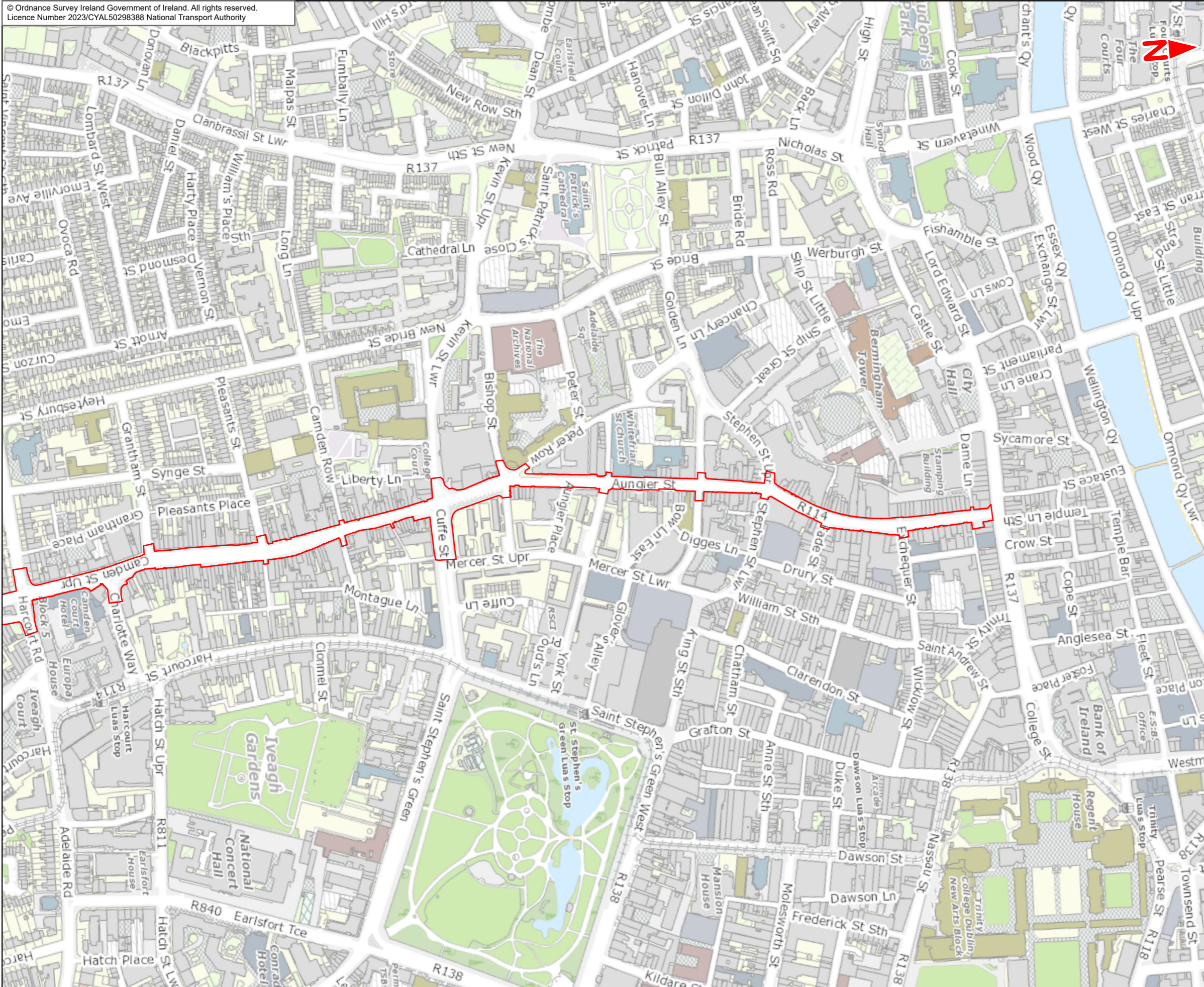
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Consultant: **JACOBS ARUP SYSTRA**

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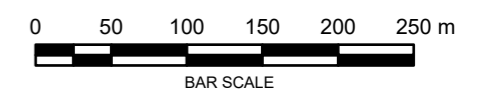
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Drawing Title: Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 12.7.2 Bat Survey Results: Potential Roost Feature Survey Results			
Drawing File Name: BCIDE-JAC-ENV BD-1012_XX_00-DR-GG-0505	Sheet Number: 5 of 8	Status: A	Rev: M01



**Legend :**  
 Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme

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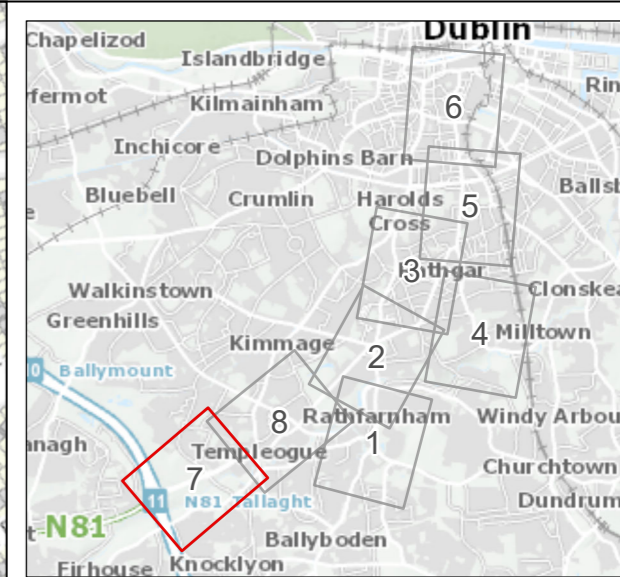
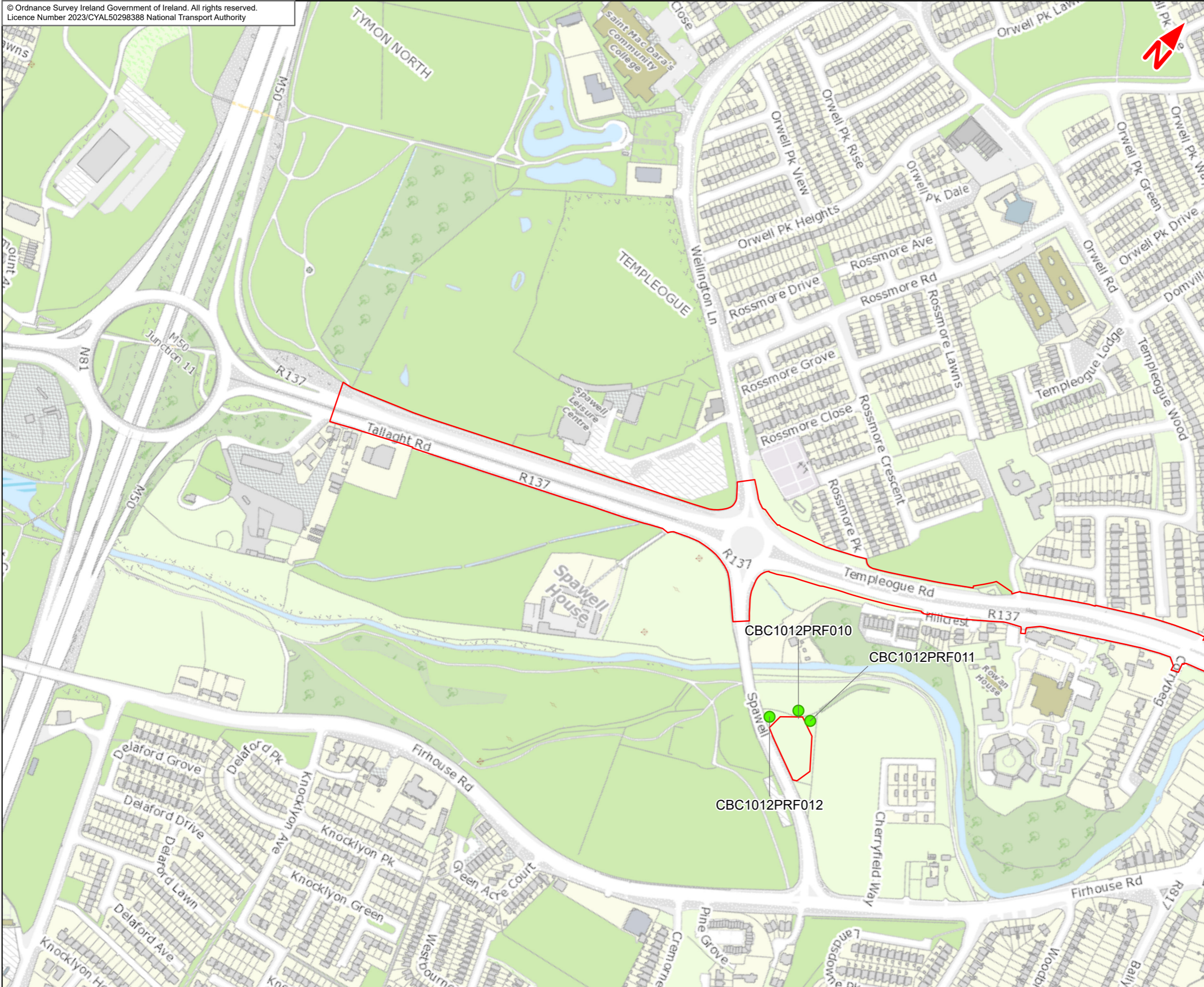
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Consultant  
**JACOBS**  
**ARUP SYSTRA**

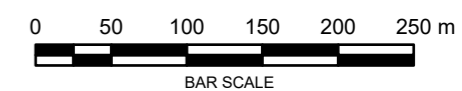
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Drawing File Name BCIDE-JAC-ENV_BD-1012_XX_00-DR-GG-0506	Sheet Number 6 of 8	Status A	Rev M01

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- Legend :**
- Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme
  - Potential Roost Features

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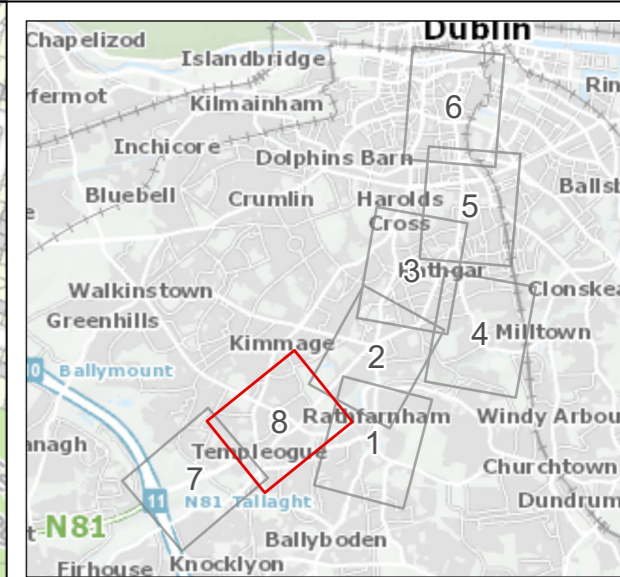
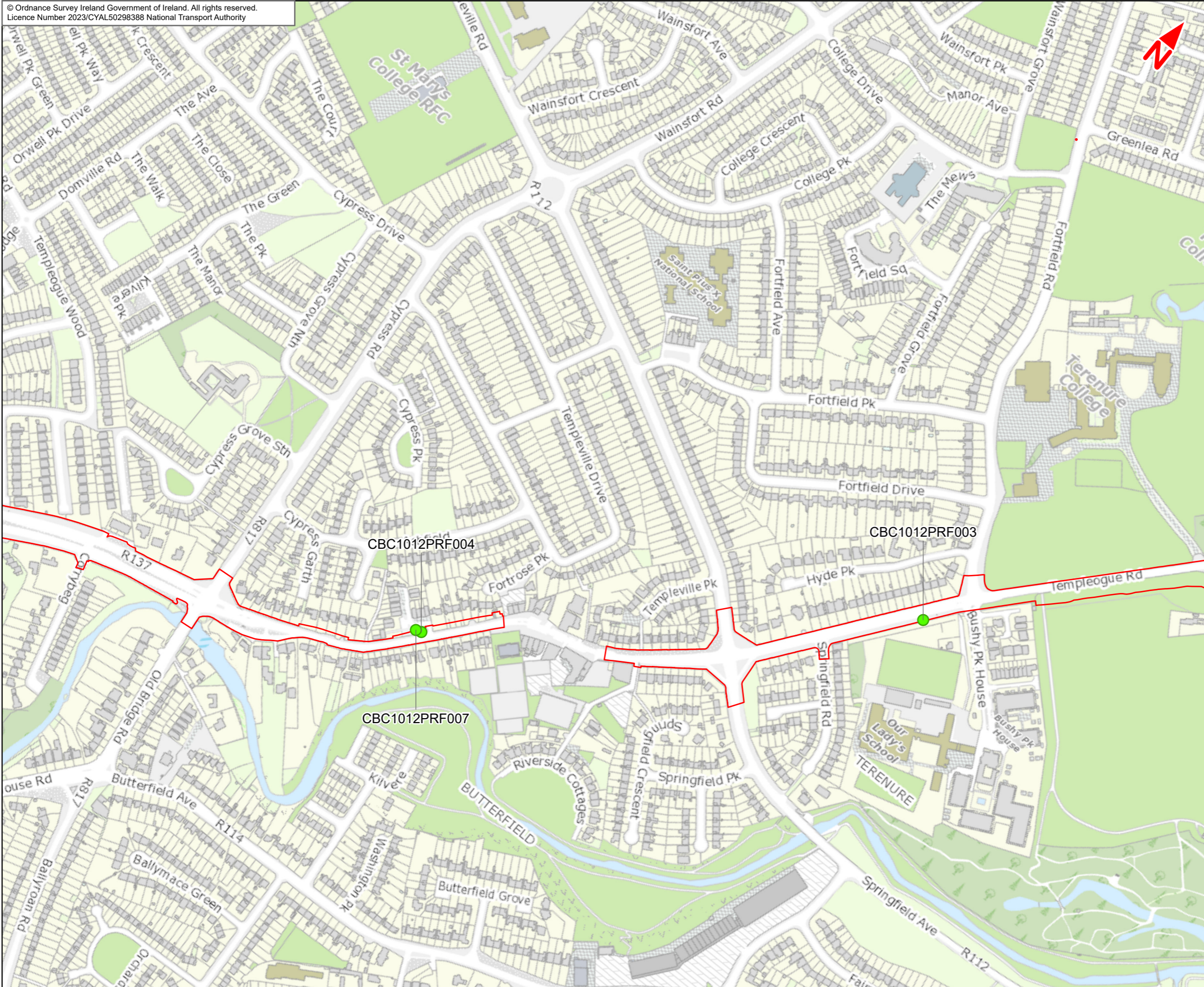
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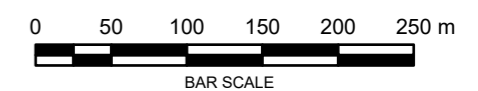
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Drawing Title: Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 12.7.2 Bat Survey Results: Potential Roost Feature Survey Results			
Drawing File Name: BCIDE-JAC-ENV_BD-1012_XX_00-DR-GG-0507	Sheet Number: 7 of 8	Status: A	Rev: M01



- Legend :**
- Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme
  - Potential Roost Features

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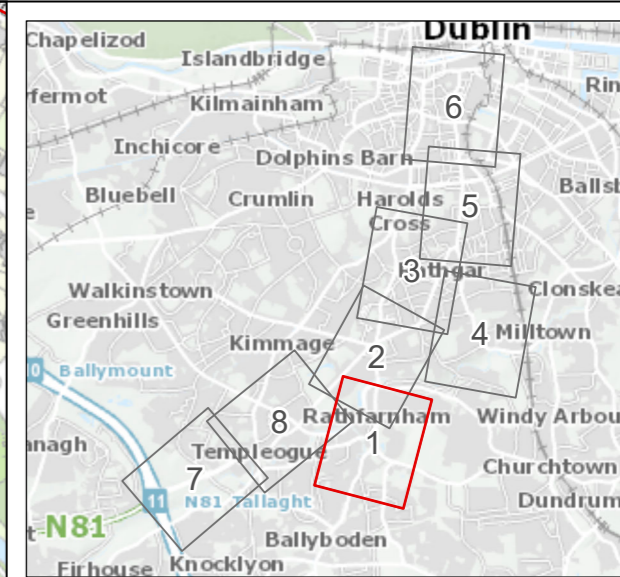
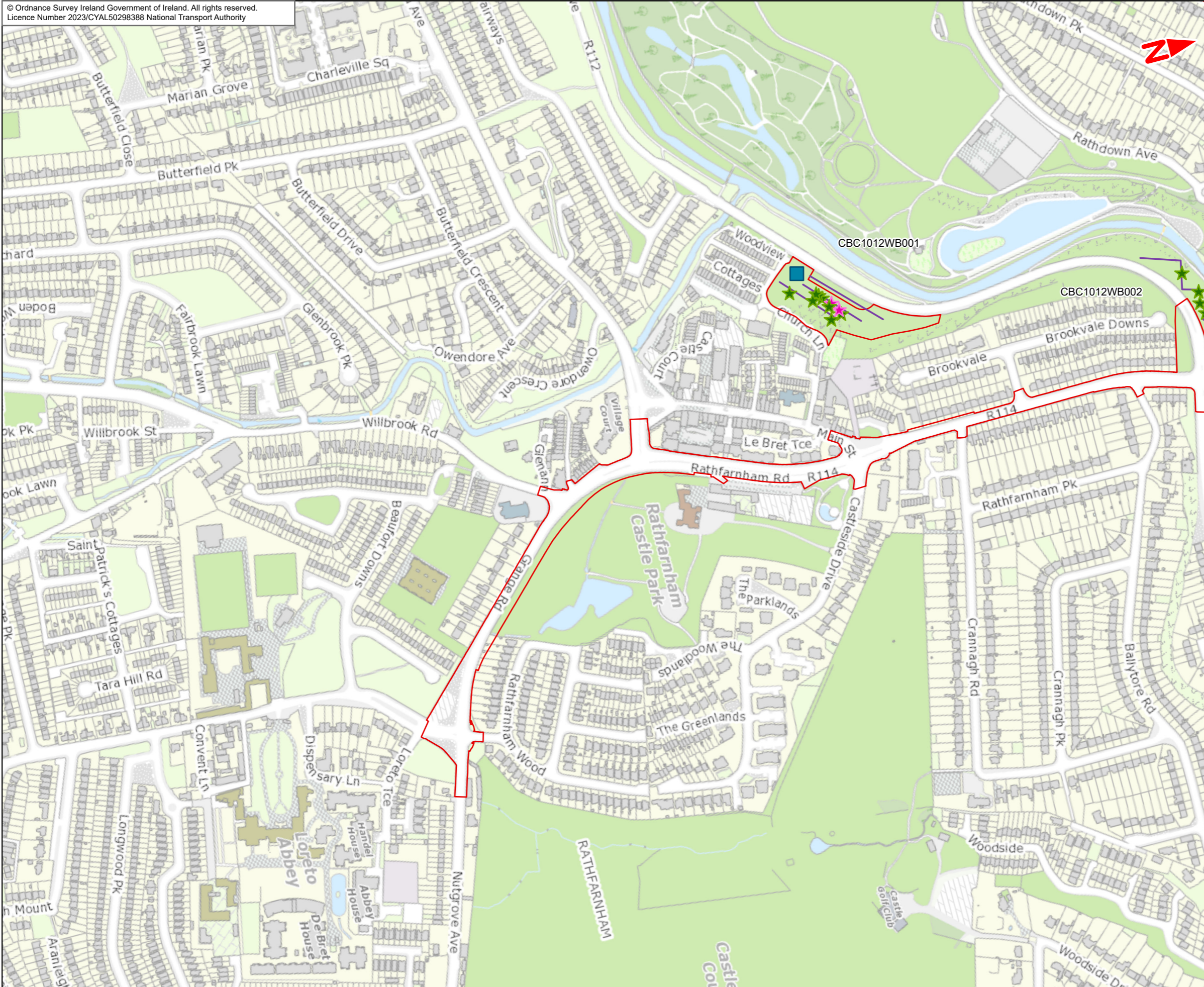
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Date 22/02/2023	Scale @ A3 1:5 000	Drawn FC	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

Programme Title <b>BUSCONNECTS DUBLIN</b> <b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Templeogue / Rathfarnham 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-1012_XX_00-DR-GG-0508	Sheet Number 8 of 8	Status A	Rev M01	

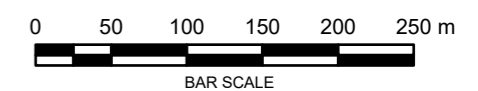


**12.8**  
Wintering Bird Survey Results



- Legend :**
- Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme
  - Winter Bird Survey Transects
- BoCCI Amber List Bird Species**
- ★ Black-headed Gull
  - ★ Herring Gull
- BoCCI Green List Bird Species**
- Grey heron

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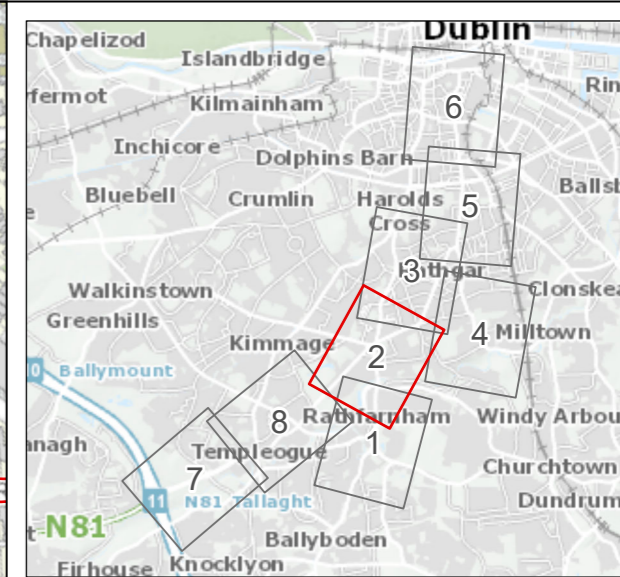
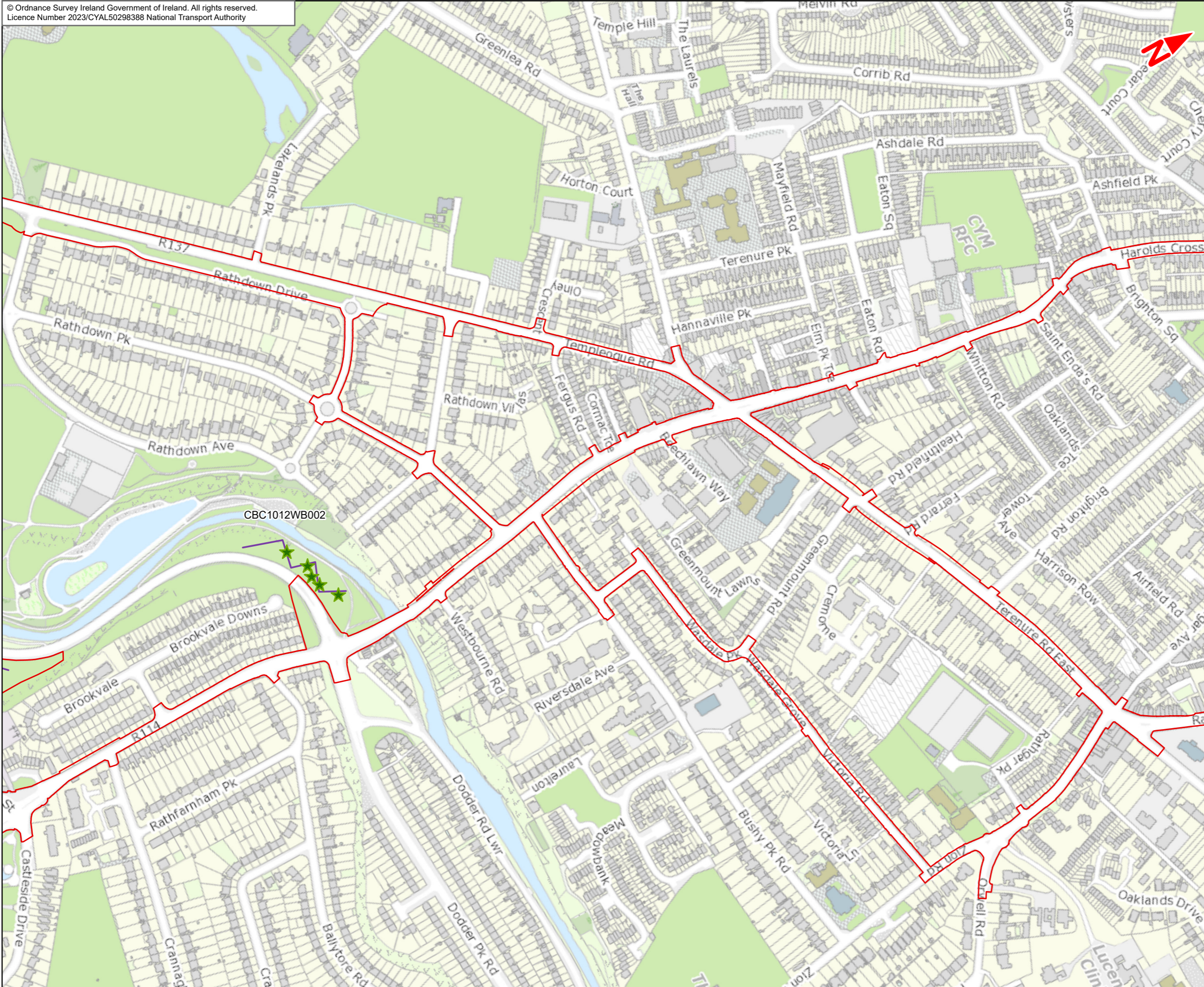


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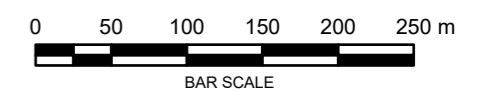
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Drawing File Name BCIDE-JAC-ENV_BD-1012_XX_00-DR-GG-0601	Sheet Number 1 of 8	Status A	Rev M01	





- Legend :**
- Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme
  - Winter Bird Survey Transects
- BoCCI Amber List Bird Species**
- ★ Black-headed Gull

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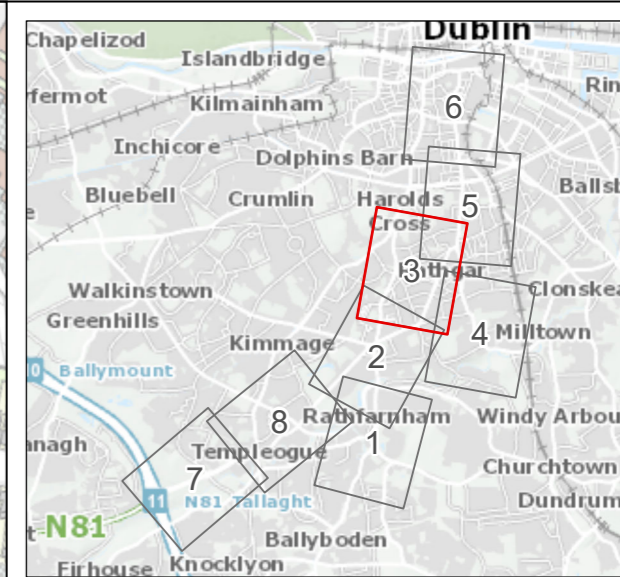
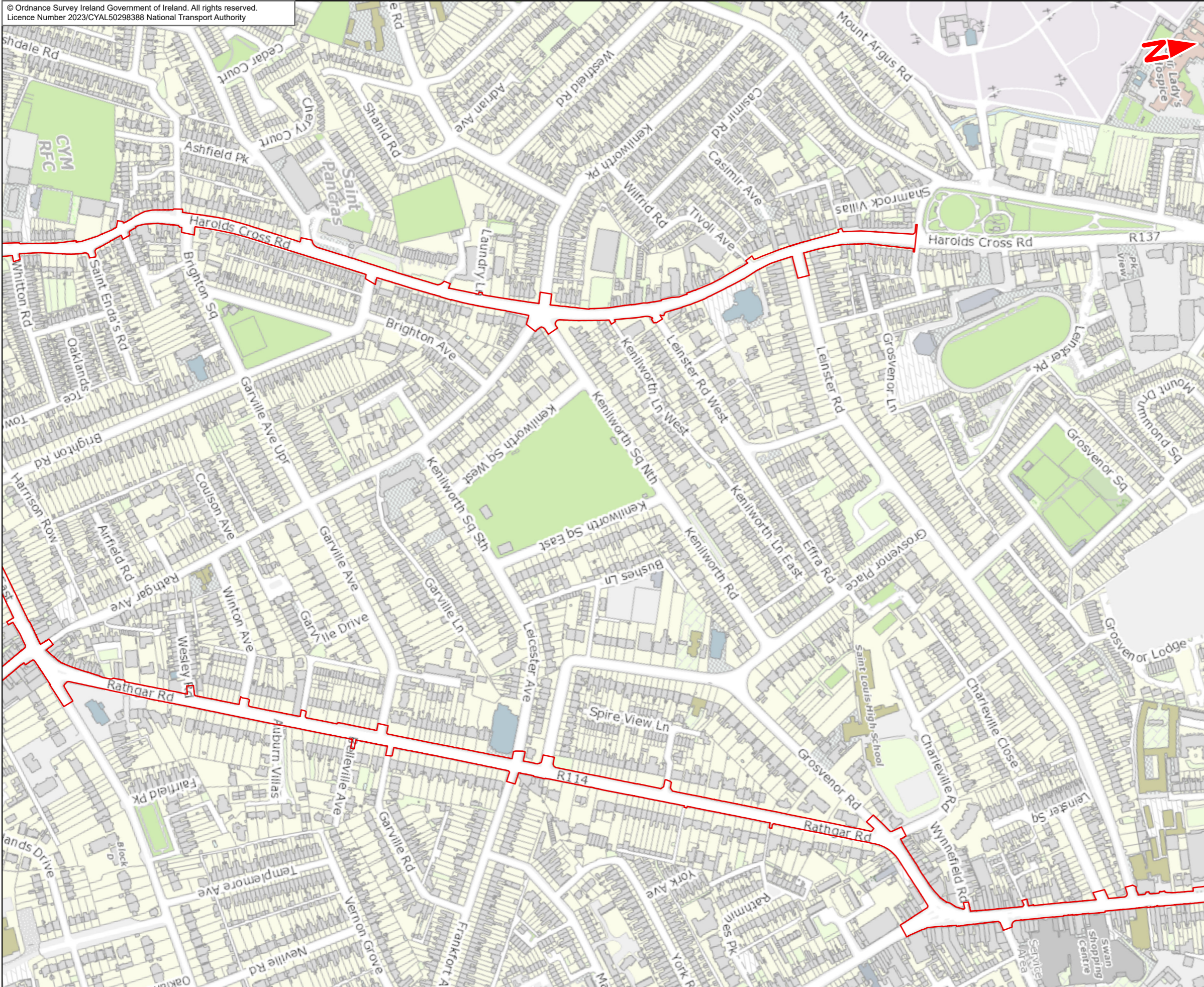
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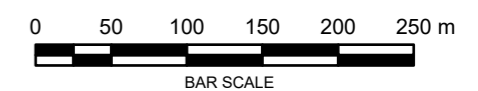
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Drawing Title Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 12.8 Wintering Bird Survey Results				
Drawing File Name BCIDE-JAC-ENV BD-1012_XX_00-DR-GG-0602	Sheet Number 2 of 8	Status A	Rev M01	

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**Legend :**  
 Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme

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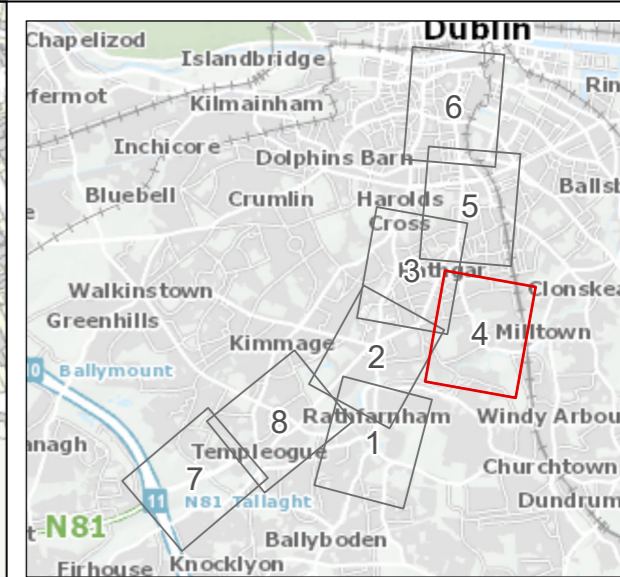
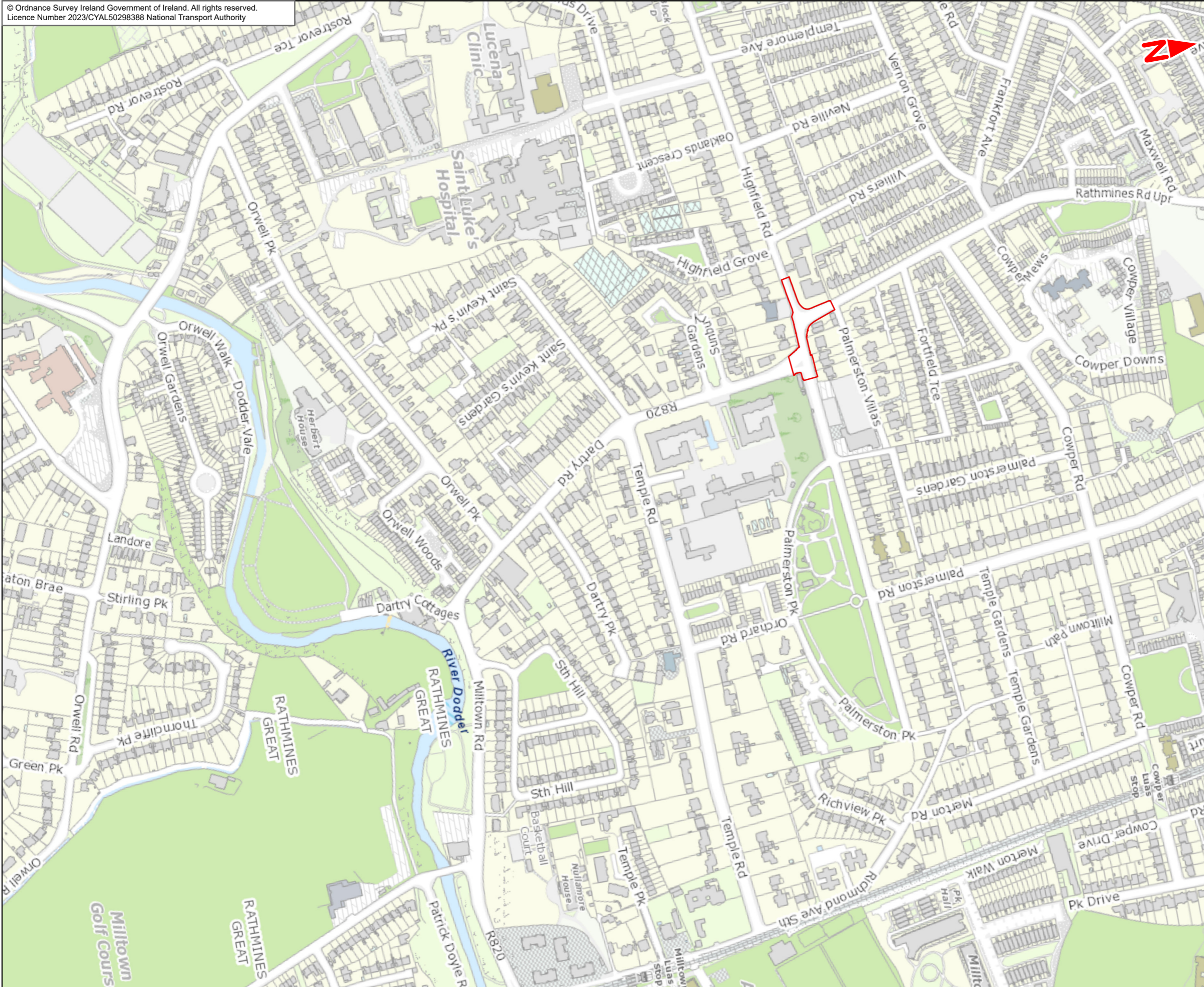
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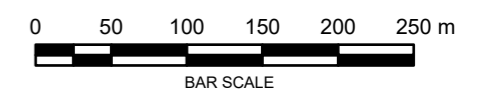
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Date 10/02/2023	Scale @ A3 1:5 000	Drawn FC	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

Programme Title <b>BUSCONNECTS DUBLIN</b> <b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 12.8 Wintering Bird Survey Results				
Drawing File Name BCIDE-JAC-ENV_BD-1012_XX_00-DR-GG-0603	Sheet Number 3 of 8	Status A	Rev M01	



**Legend :**  
 Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme

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M01	Feb 2023	FC	PW	DK	ISSUE FOR PHASE 4 : PLANNING

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**NTA**  
 Udarás Náisiúnta Iompair  
 National Transport Authority

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

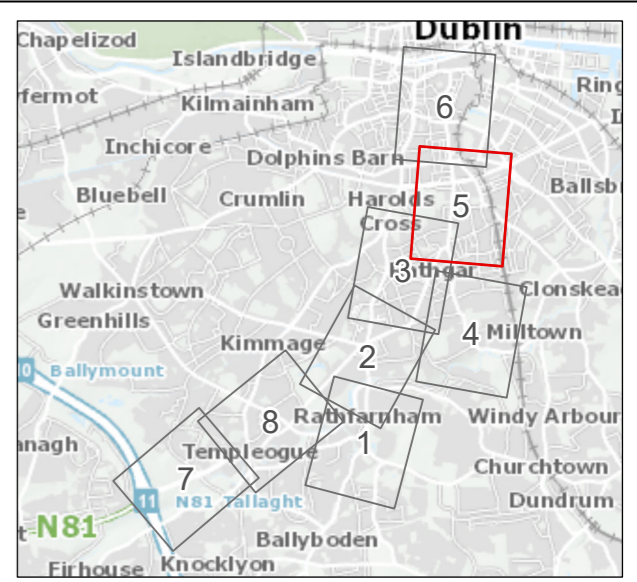
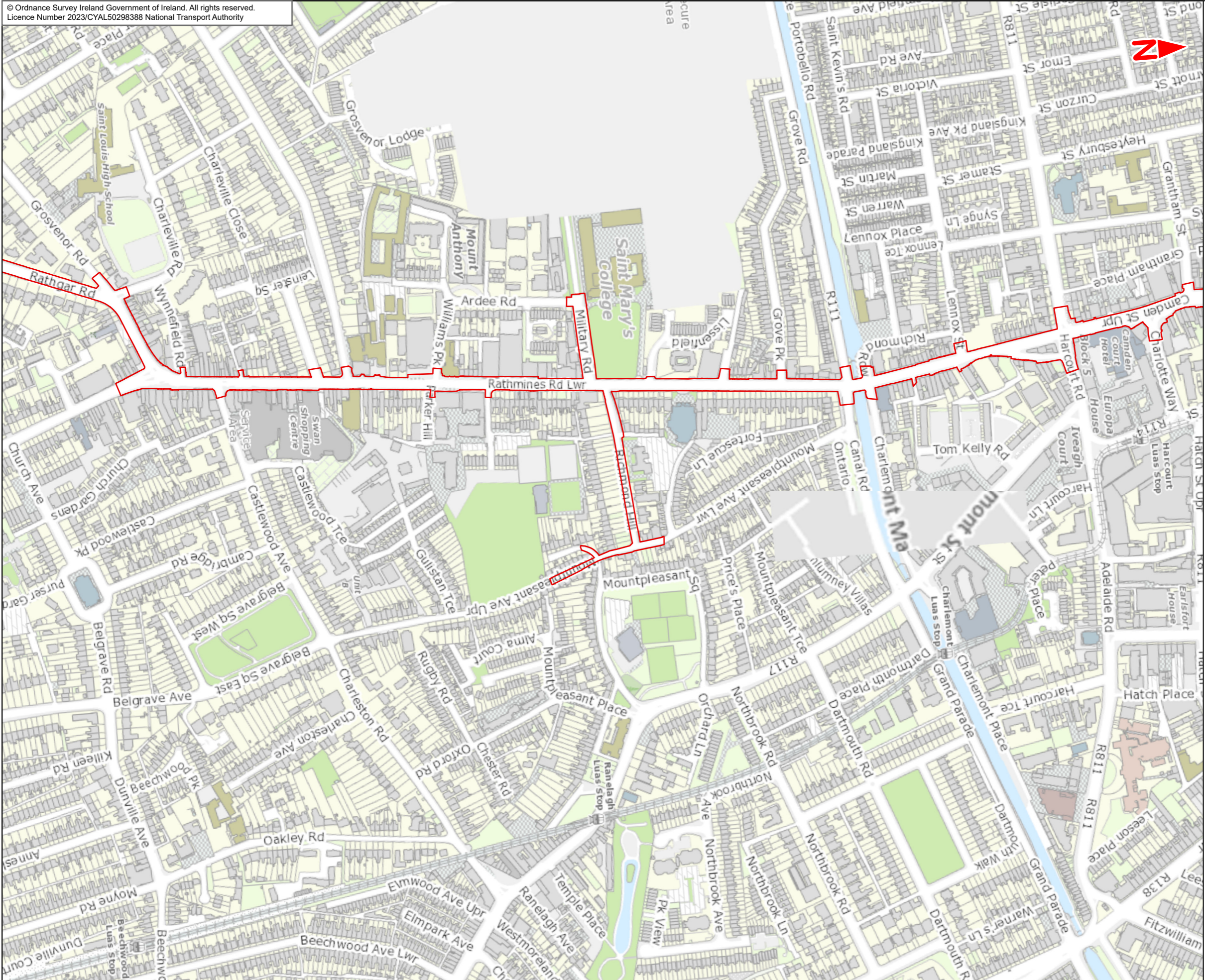
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**BUSCONNECTS DUBLIN**  
**CORE BUS CORRIDORS INFRASTRUCTURE WORKS**

Drawing Title  
 Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme  
 Figure 12.8  
 Wintering Bird Survey Results

Date: 10/02/2023  
 Scale @ A3: 1:5 000  
 Drawn: FC  
 Checked: PW  
 Approved: DK

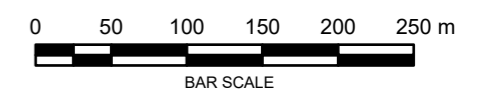
Project Code: BCIDE  
 Originator Code: JAC

Drawing File Name: BCIDE-JAC-ENV\_BD-1012\_XX\_00-DR-GG-0604  
 Sheet Number: 4 of 8  
 Status: A  
 Rev: M01



**Legend :**  
 Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme

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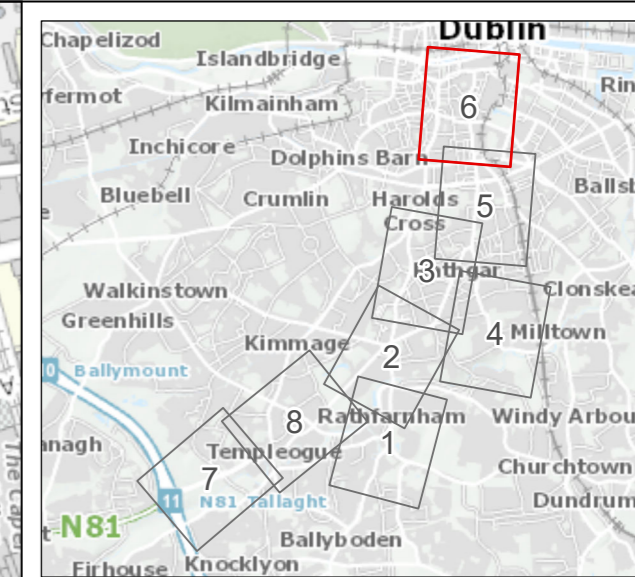
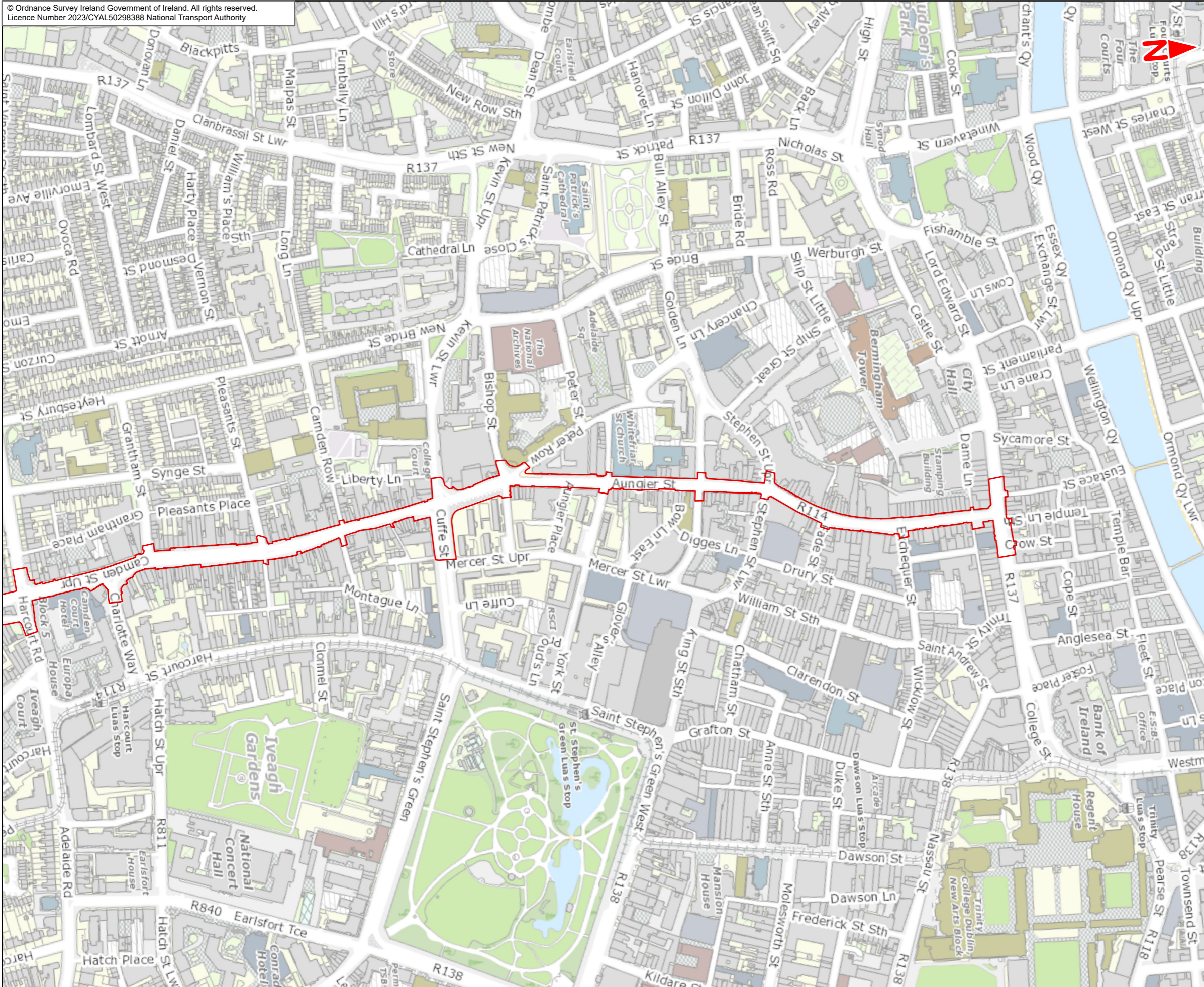
Client: **NTA**  
Udarás Náisiúnta Iompair  
National Transport Authority

Consultant: **JACOBS ARUP SYSTRA**

Date: 10/02/2023 Scale @ A3: 1:5 000  
 Project Code: BCIDE Originator Code: JAC

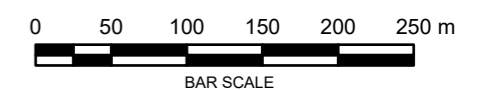
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Programme Title: <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title: Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 12.8 Wintering Bird Survey Results			
Drawing File Name: BCIDE-JAC-ENV BD-1012_XX_00-DR-GG-0605	Sheet Number: 5 of 8	Status: A	Rev: M01



**Legend :**  
 Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme

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 Udarás Náisiúnta Iompair  
 National Transport Authority

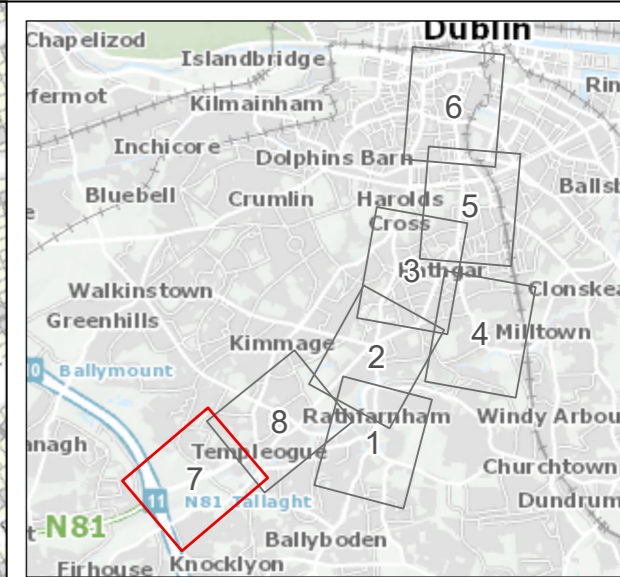
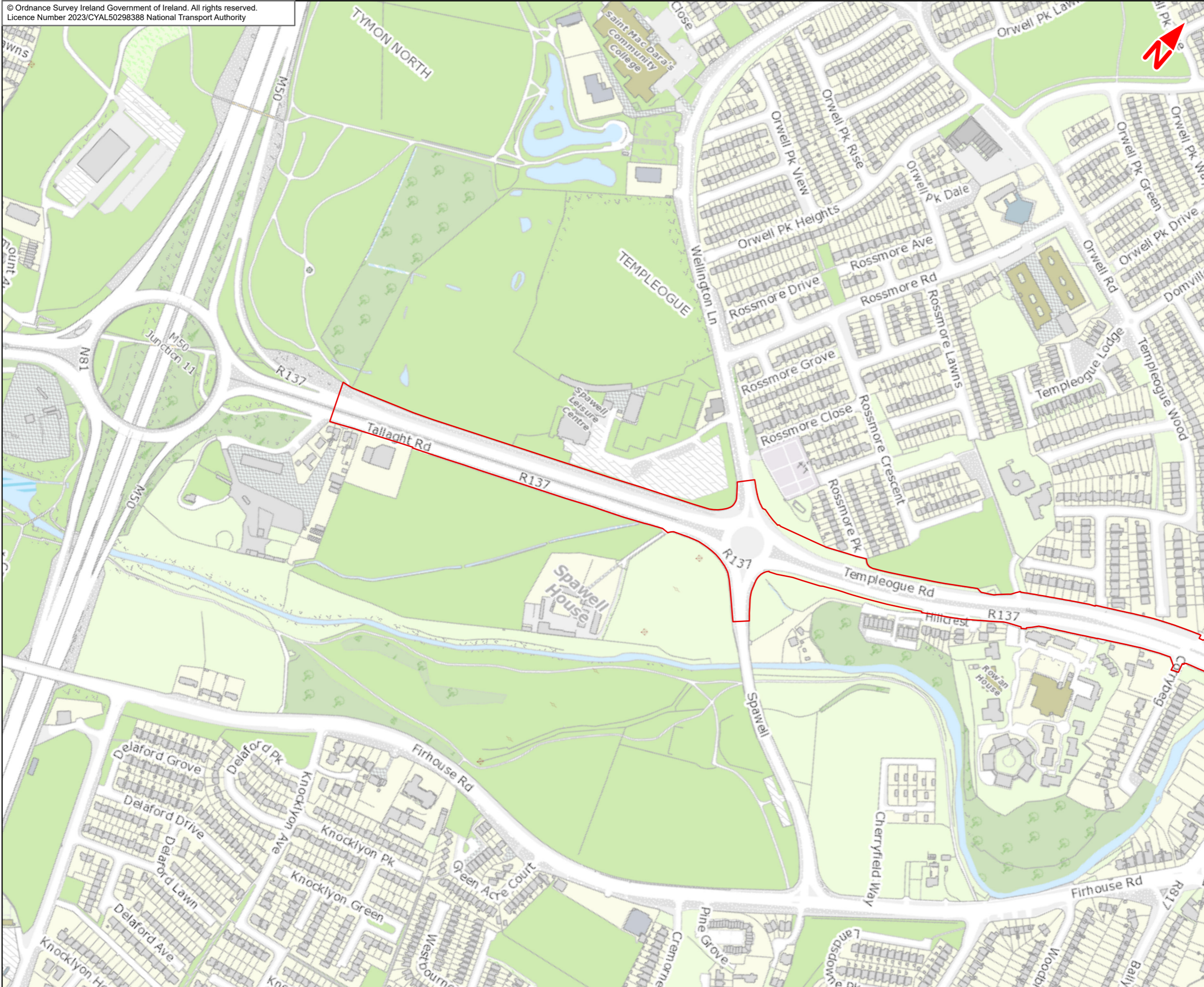
Consultant  
**JACOBS**  
**ARUP SYSTRA**

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

Drawing Title  
 Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme  
 Figure 12.8  
 Wintering Bird Survey Results

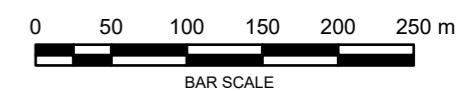
Date	10/02/2023	Scale @ A3	1:5 000	Drawn	FC	Checked	PW	Approved	DK
Project Code	BCIDE	Originator Code	JAC	QMS Code					

Drawing File Name	BCIDE-JAC-ENV_BD-1012_XX_00-DR-GG-0606	Sheet Number	6 of 8	Status	A	Rev	M01
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**Legend :**  
 Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme

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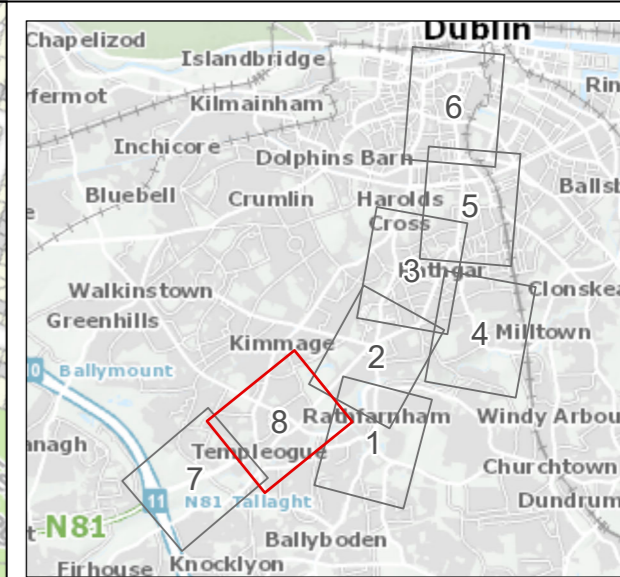
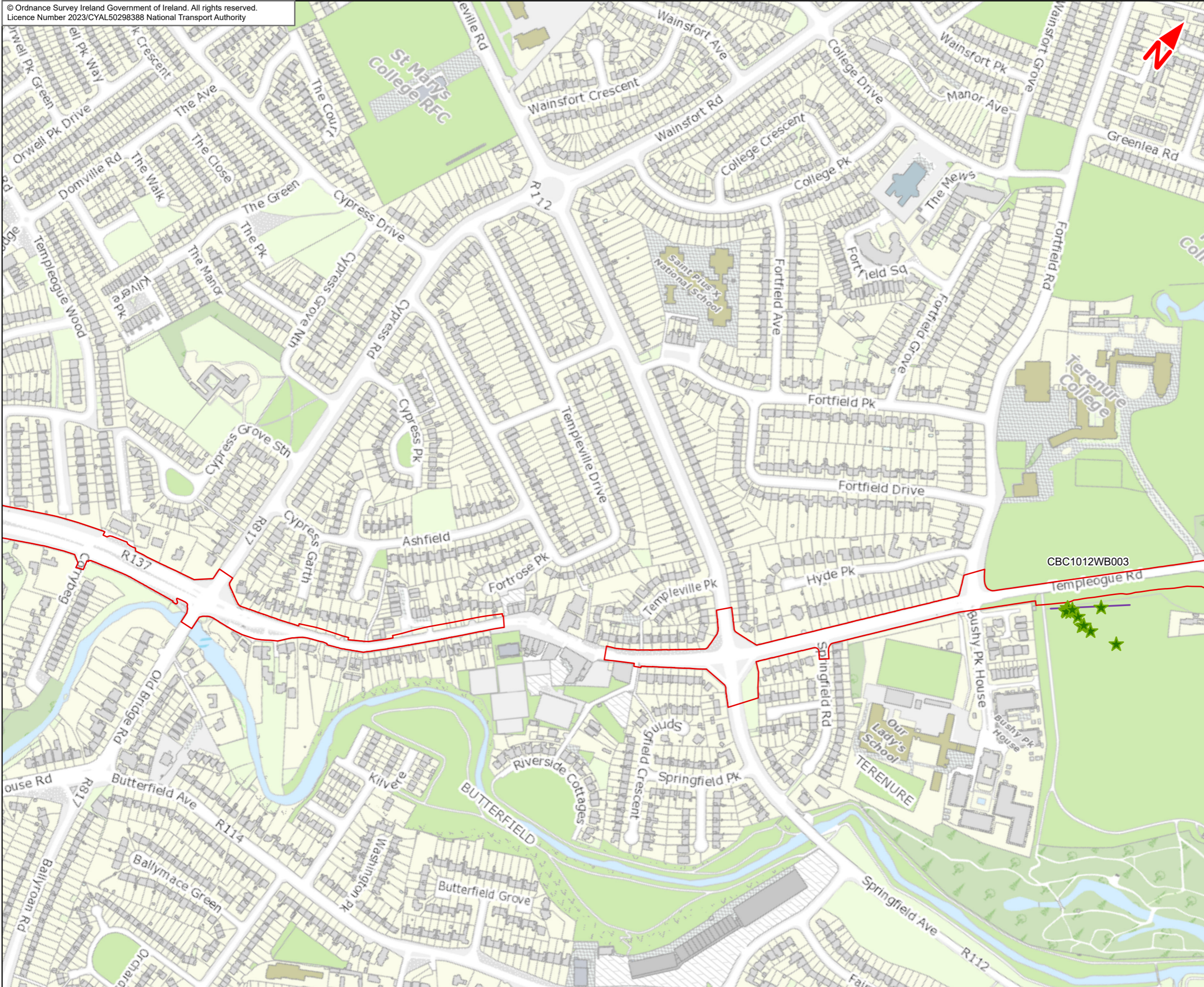
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Client <b>NTA</b> Udarás Náisiúnta Iompair National Transport Authority		Consultant <b>JACOBS</b> <b>ARUP SYSTRA</b>		
Date 10/02/2023	Scale @ A3 1:5 000	Drawn FC	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

Programme Title <b>BUSCONNECTS DUBLIN</b> <b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 12.8 Wintering Bird Survey Results				
Drawing File Name BCIDE-JAC-ENV BD-1012_XX_00-DR-GG-0607	Sheet Number 7 of 8	Status A	Rev M01	



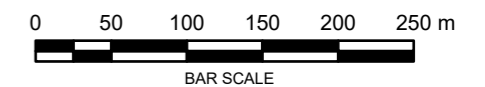
**Legend :**

- Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme
- Winter Bird Survey Transects

**BoCCI Amber List Bird Species**

- ★ Black-headed Gull

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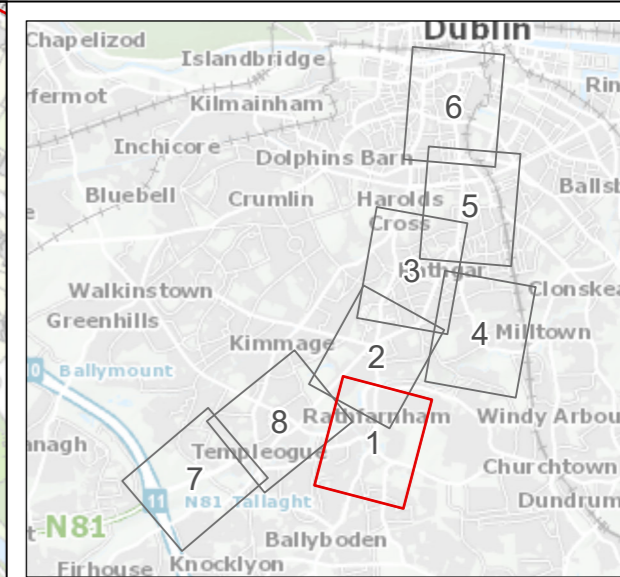
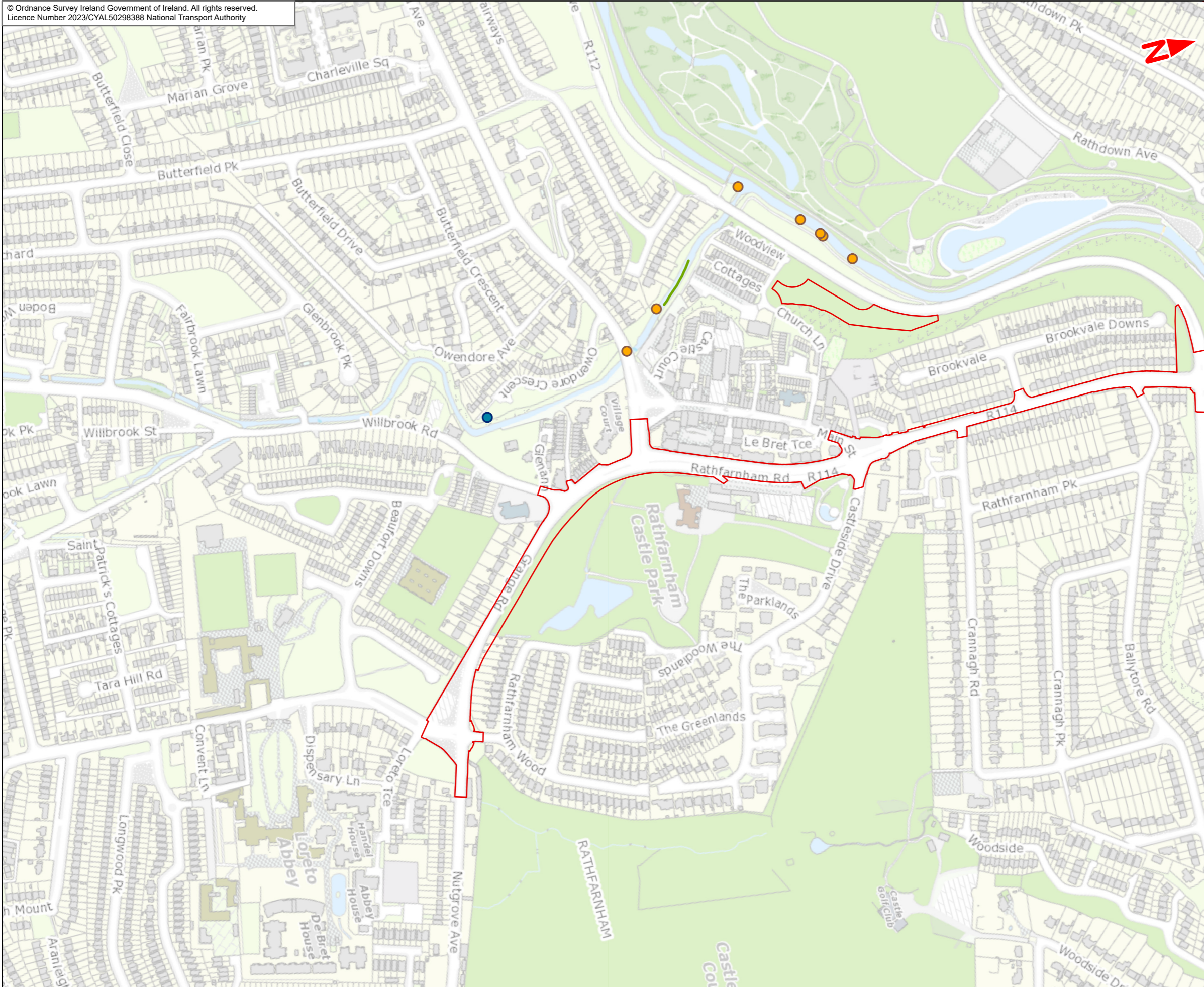
Client <b>NTA</b> Udarás Náisiúnta Iompair National Transport Authority		Consultant <b>JACOBS</b> <b>ARUP SYSTRA</b>		
Date 10/02/2023	Scale @ A3 1:5 000	Drawn FC	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

Programme Title <b>BUSCONNECTS DUBLIN</b> <b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 12.8 Wintering Bird Survey Results				
Drawing File Name BCIDE-JAC-ENV_BD-1012_XX_00-DR-GG-0608	Sheet Number 8 of 8	Status A	Rev M01	



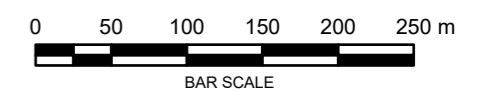
**12.9**  
Mammal, Aquatic and Riparian  
Survey Results





- Legend :**
- Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme
  - Badger Signs
  - Otter Signs
  - Kingfisher - Suitable nesting habitat

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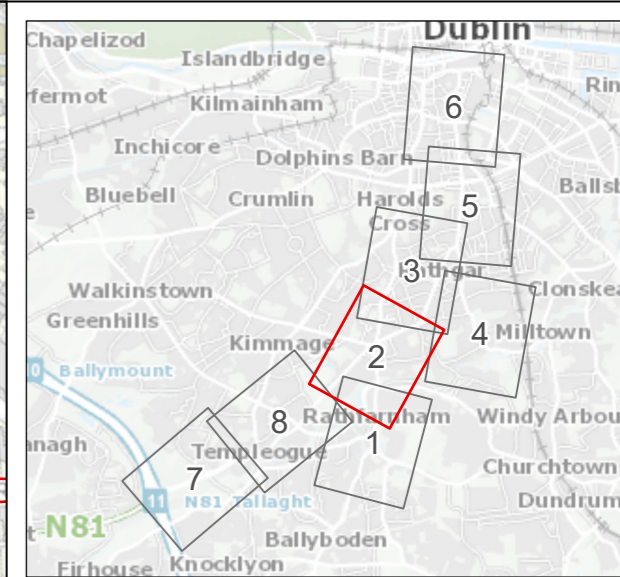
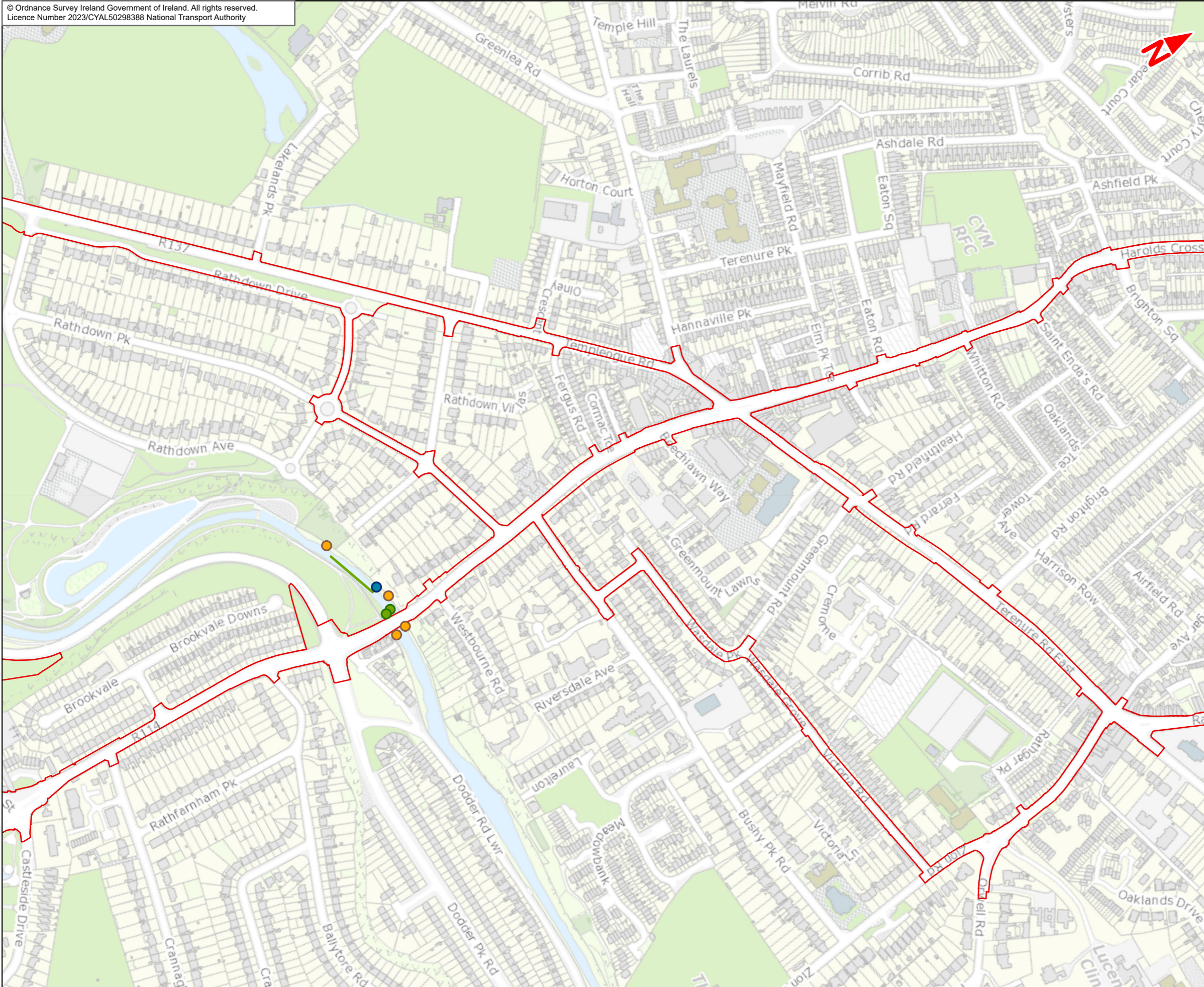
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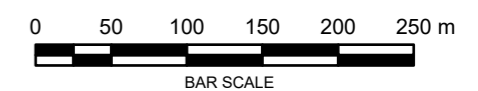
Client <b>NTA</b> Udarás Náisiúnta Iompair National Transport Authority		Consultant <b>JACOBS</b> <b>ARUP SYSTRA</b>		
Date 10/02/2023	Scale @ A3 1:5 000	Drawn FC	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

Programme Title <b>BUSCONNECTS DUBLIN</b> <b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 12.9 Mammal, Aquatic, and Riparian Survey Results				
Drawing File Name BCIDE-JAC-ENV_BD-1012_XX_00-DR-GG-0801	Sheet Number 1 of 8	Status A	Rev M01	



- Legend :**
- Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme
  - Badger Signs
  - Otter Signs
  - Kingfisher Sighting
  - Kingfisher - Suitable nesting habitat

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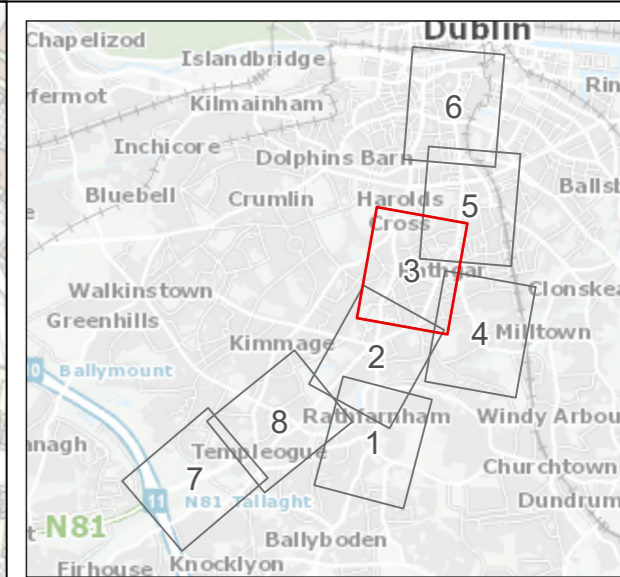
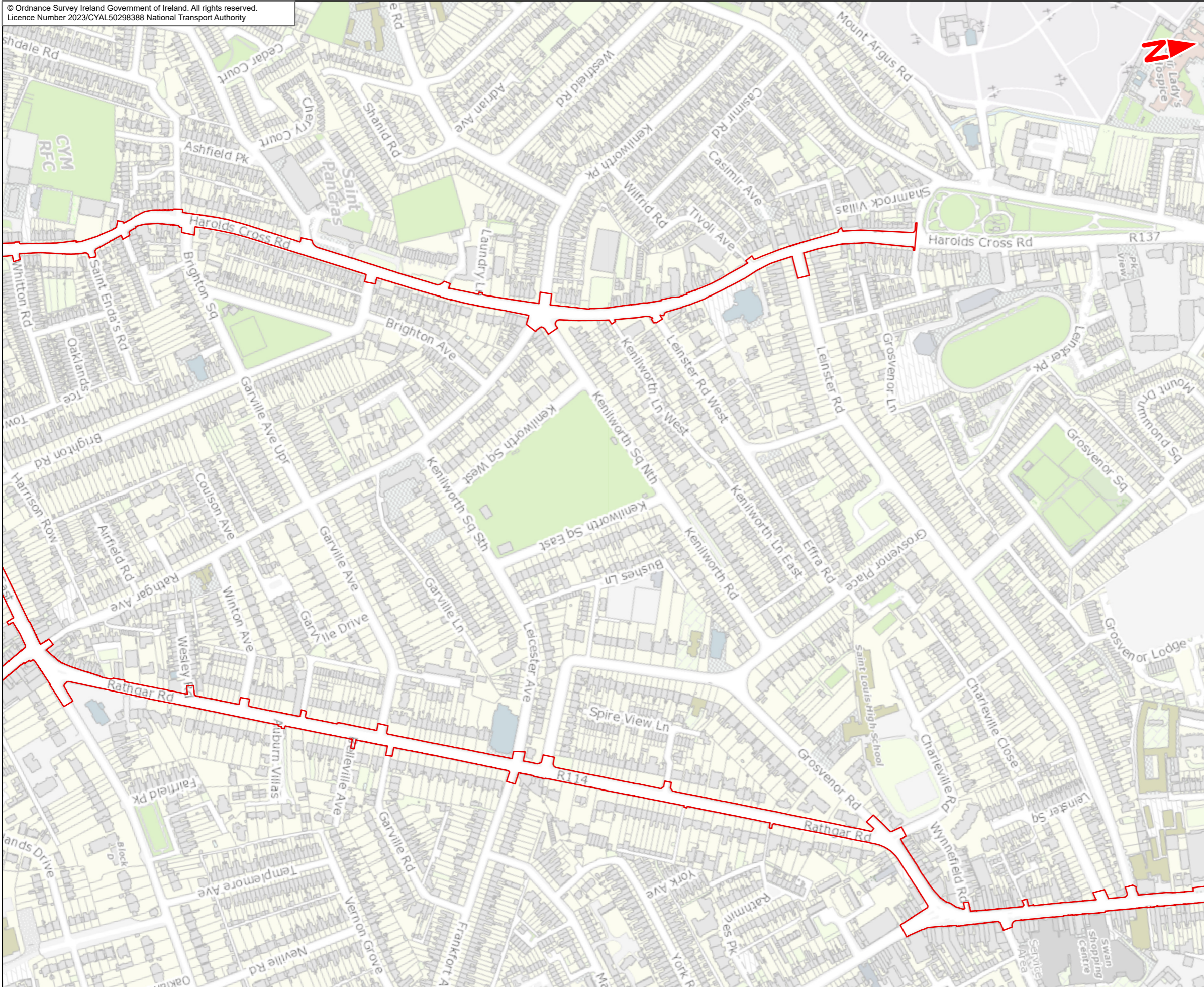
Rev	Date	Drn	Chk'd	App'd	Description
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National Transport Authority

Consultant  
**JACOBS ARUP SYSTRA**

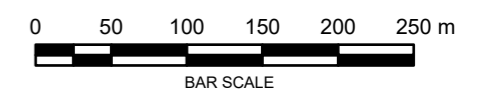
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Drawing Title Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 12.9 Mammal, Aquatic, and Riparian Survey Results				
Drawing File Name BCIDE-JAC-ENV BD-1012_XX_00-DR-GG-0802	Sheet Number 2 of 8	Status A	Rev M01	

Date 10/02/2023	Scale @ A3 1:5 000	Drawn FC	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		



**Legend :**  
 Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme

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Client: **NTA**  
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National Transport Authority

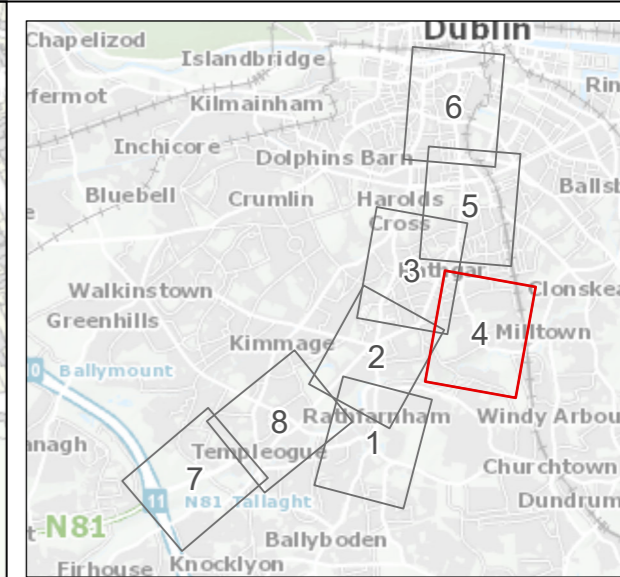
Consultant: **JACOBS ARUP SYSTRA**

Date: 10/02/2023  
Scale @ A3: 1:5 000

Project Code: BCIDE  
Originator Code: JAC

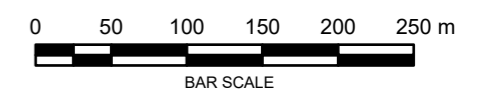
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Checked: PW  
Approved: DK

Programme Title: <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title: Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 12.9 Mammal, Aquatic, and Riparian Survey Results			
Drawing File Name: BCIDE-JAC-ENV BD-1012_XX_00-DR-GG-0803	Sheet Number: 3 of 8	Status: A	Rev: M01



**Legend :**  
 Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme

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

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

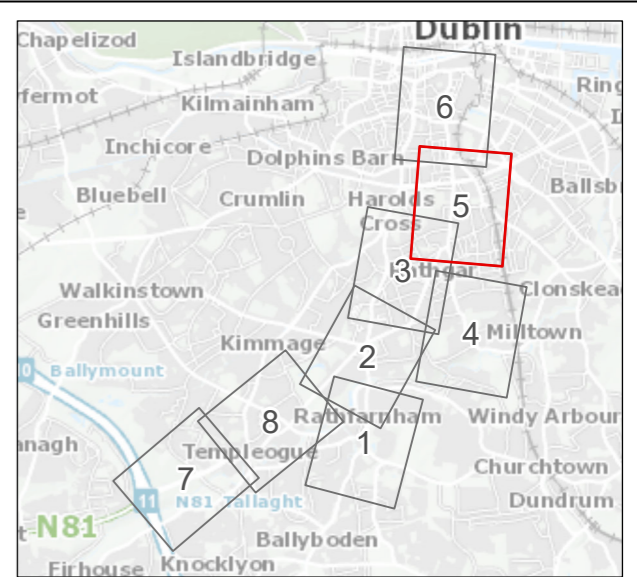
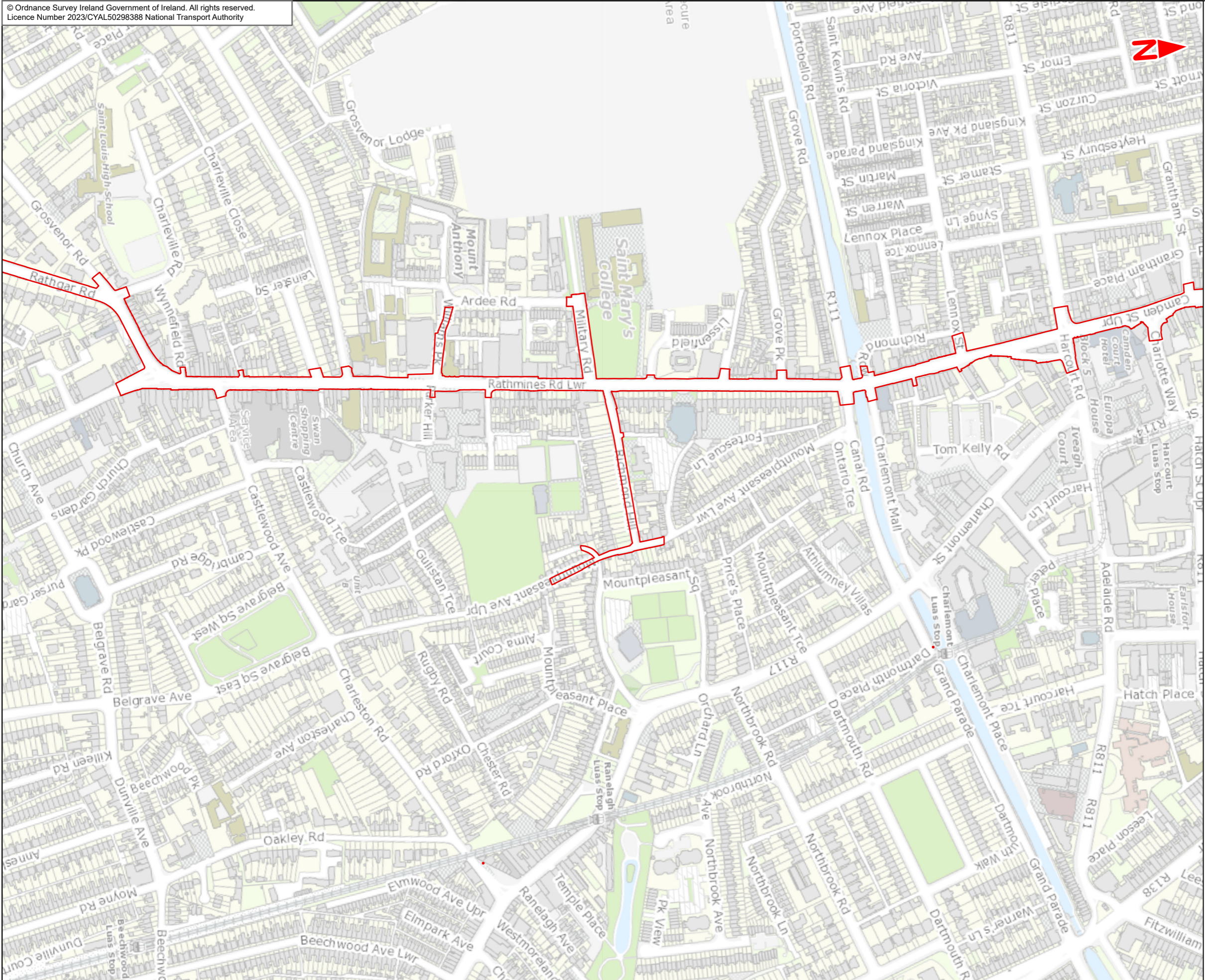
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**BUSCONNECTS DUBLIN**  
**CORE BUS CORRIDORS INFRASTRUCTURE WORKS**

Drawing Title  
 Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme  
 Figure 12.9  
 Mammal, Aquatic, and Riparian Survey Results

Date: 10/02/2023  
 Scale @ A3: 1:5 000  
 Drawn: FC  
 Checked: PW  
 Approved: DK

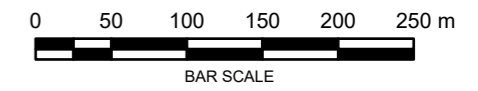
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 QMS Code:

Drawing File Name: BCIDE-JAC-ENV\_BD-1012\_XX\_00-DR-GG-0804  
 Sheet Number: 4 of 8  
 Status: A  
 Rev: M01



**Legend :**  
 Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme

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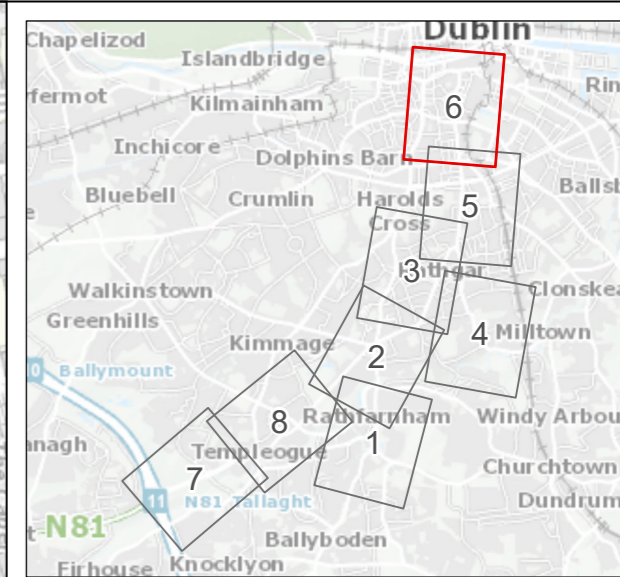
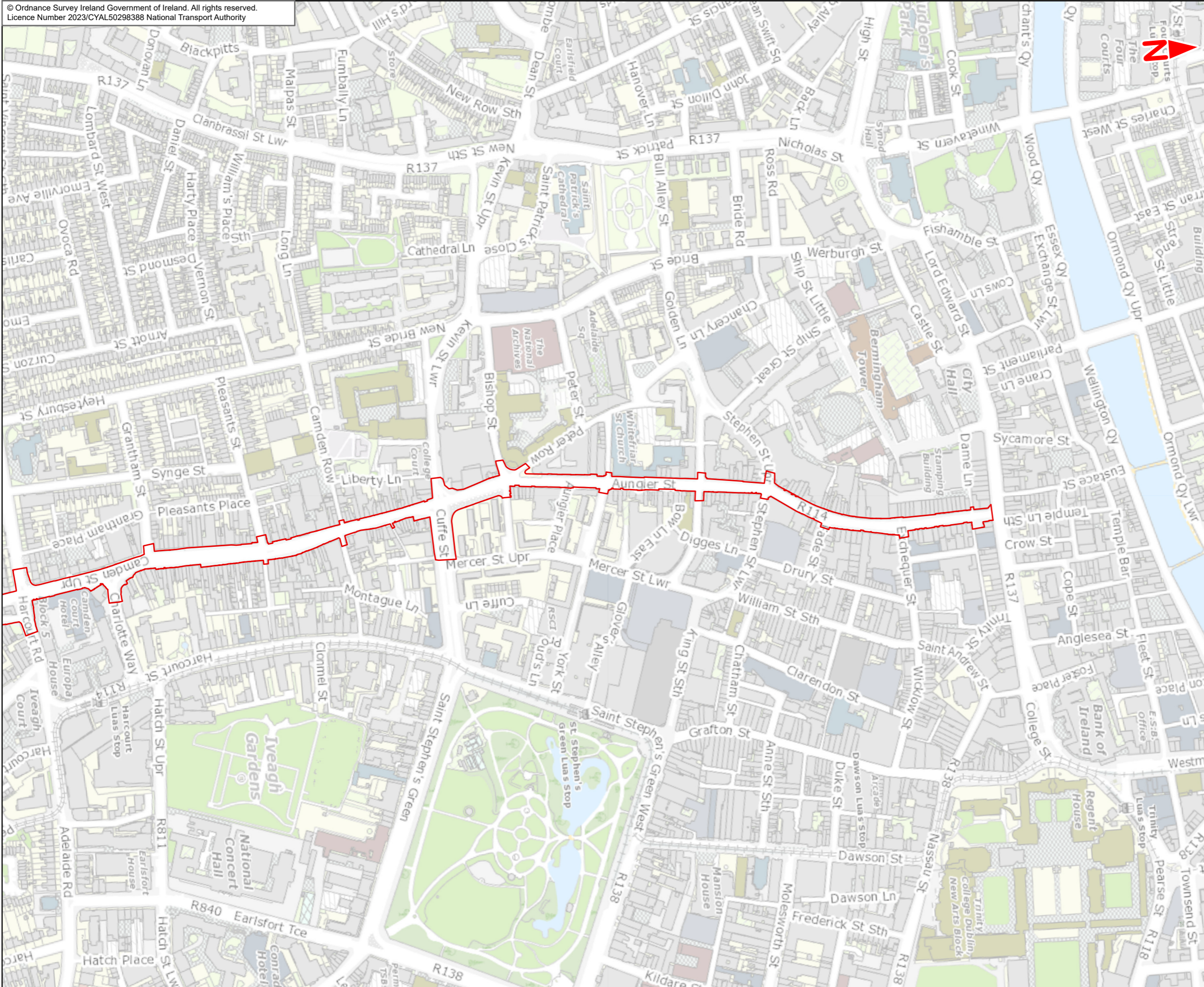
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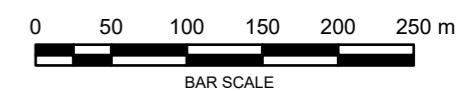
Client <b>NTA</b> Udarás Náisiúnta Iompair National Transport Authority		Consultant <b>JACOBS</b> <b>ARUP SYSTRA</b>		
Date 10/02/2023	Scale @ A3 1:5 000	Drawn FC	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

Programme Title <b>BUSCONNECTS DUBLIN</b> <b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 12.9 Mammal, Aquatic, and Riparian Survey Results				
Drawing File Name BCIDE-JAC-ENV BD-1012_XX_00-DR-GG-0805	Sheet Number 5 of 8	Status A	Rev M01	



**Legend :**  
 Templeogue / Rathfarnham 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  
**BUSCONNECTS DUBLIN**  
**CORE BUS CORRIDORS INFRASTRUCTURE WORKS**

Drawing Title  
 Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme  
 Figure 12.9  
 Mammal, Aquatic, and Riparian Survey Results

Date  
 10/02/2023

Scale @ A3  
 1:5 000

Drawn  
 FC

Checked  
 PW

Approved  
 DK

Project Code  
 BCIDE

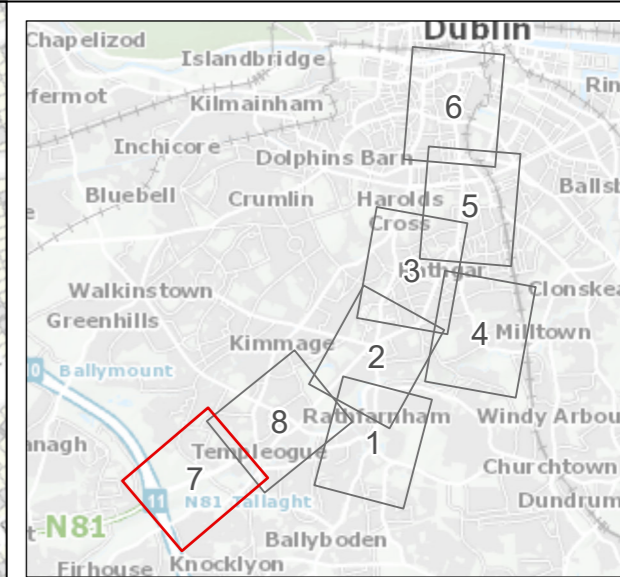
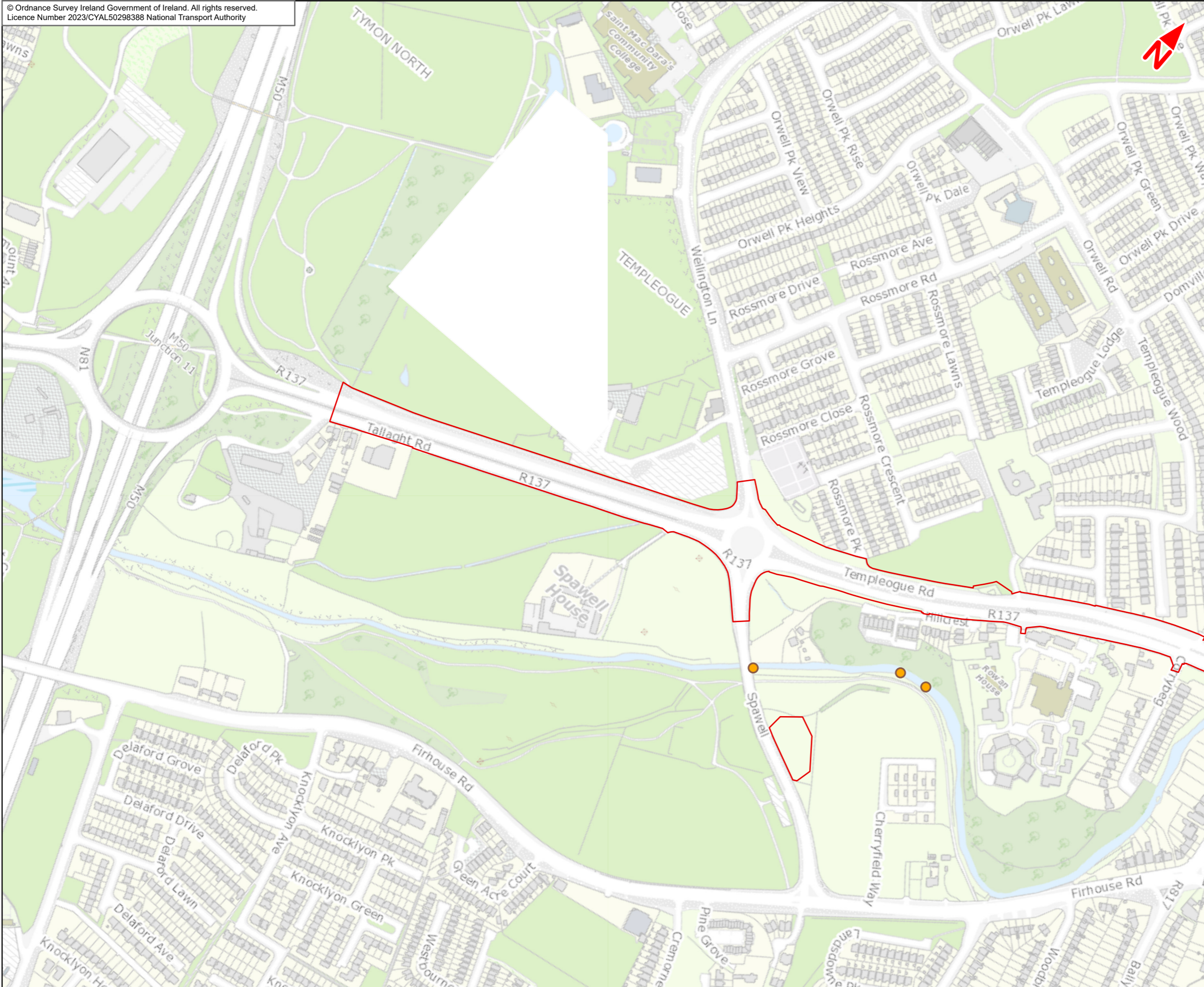
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Drawing File Name  
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Sheet Number  
 6 of 8

Status  
 A

Rev  
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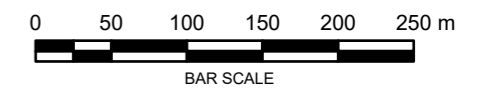
**Legend :**

Templegue / Rathfarnham to City Centre Core Bus Corridor Scheme

**Species**

Otter Signs

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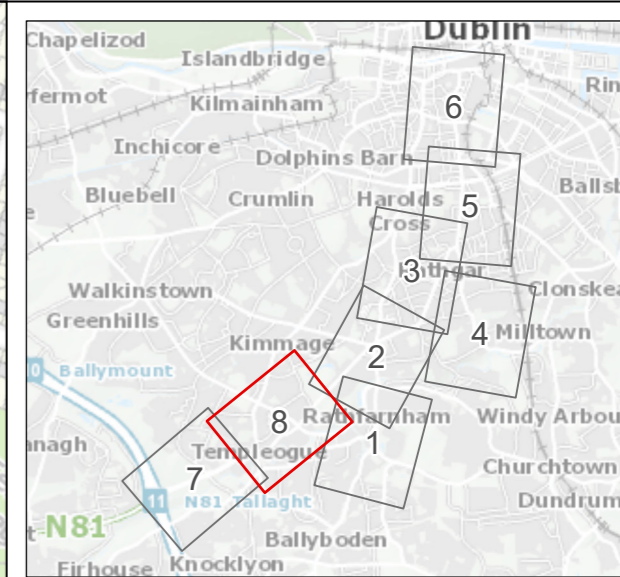
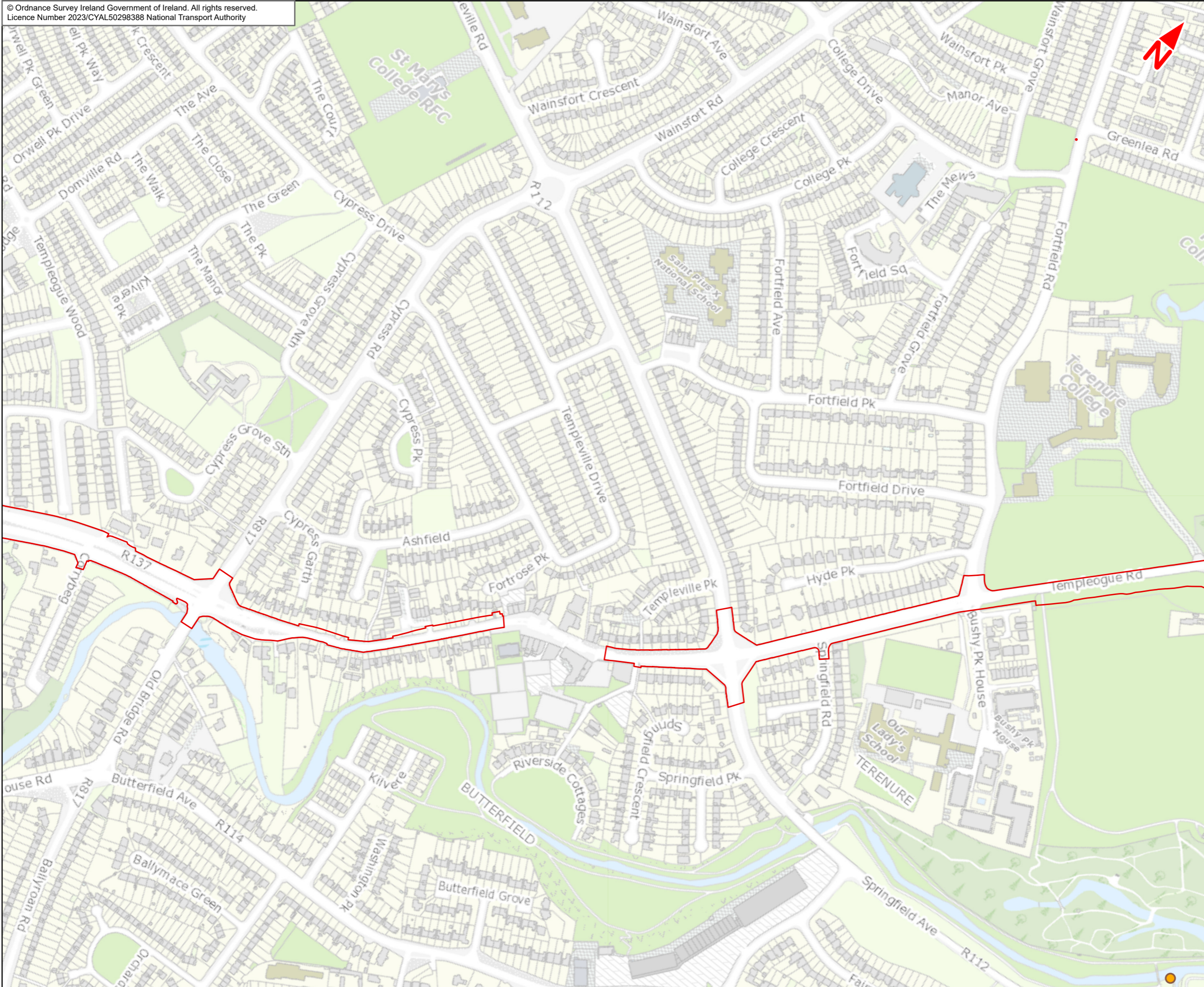
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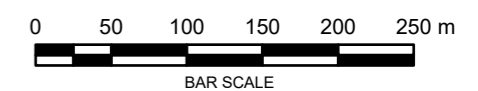
Client <b>NTA</b> Udarás Náisiúnta Iompair National Transport Authority		Consultant <b>JACOBS</b> <b>ARUP SYSTRA</b>		
Date 10/02/2023	Scale @ A3 1:5 000	Drawn FC	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

Programme Title <b>BUSCONNECTS DUBLIN</b> <b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Templegue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 12.9 Mammal, Aquatic, and Riparian Survey Results				
Drawing File Name BCIDE-JAC-ENV BD-1012_XX_00-DR-GG-0807	Sheet Number 7 of 8	Status A	Rev M01	



- Legend :**
- Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme
  - Otter Signs

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Project Code BCIDE	Originator Code JAC	QMS Code		

Programme Title <b>BUSCONNECTS DUBLIN</b> <b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title Templeogue / Rathfarnham to City Centre Core Bus Corridor Scheme Figure 12.9 Mammal, Aquatic, and Riparian Survey Results			
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