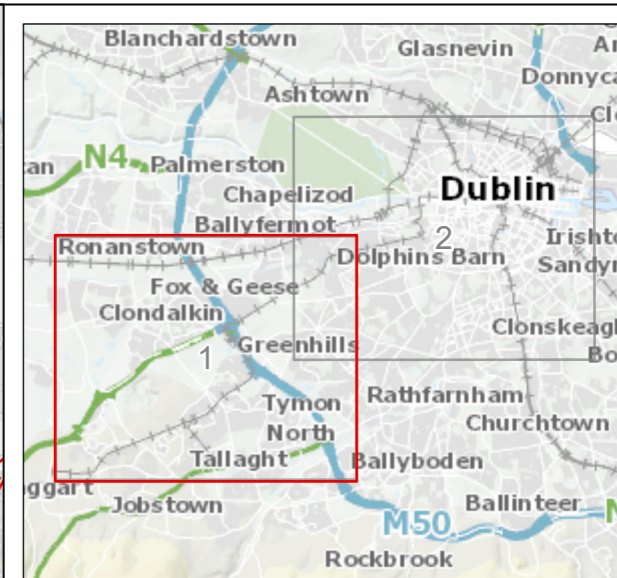
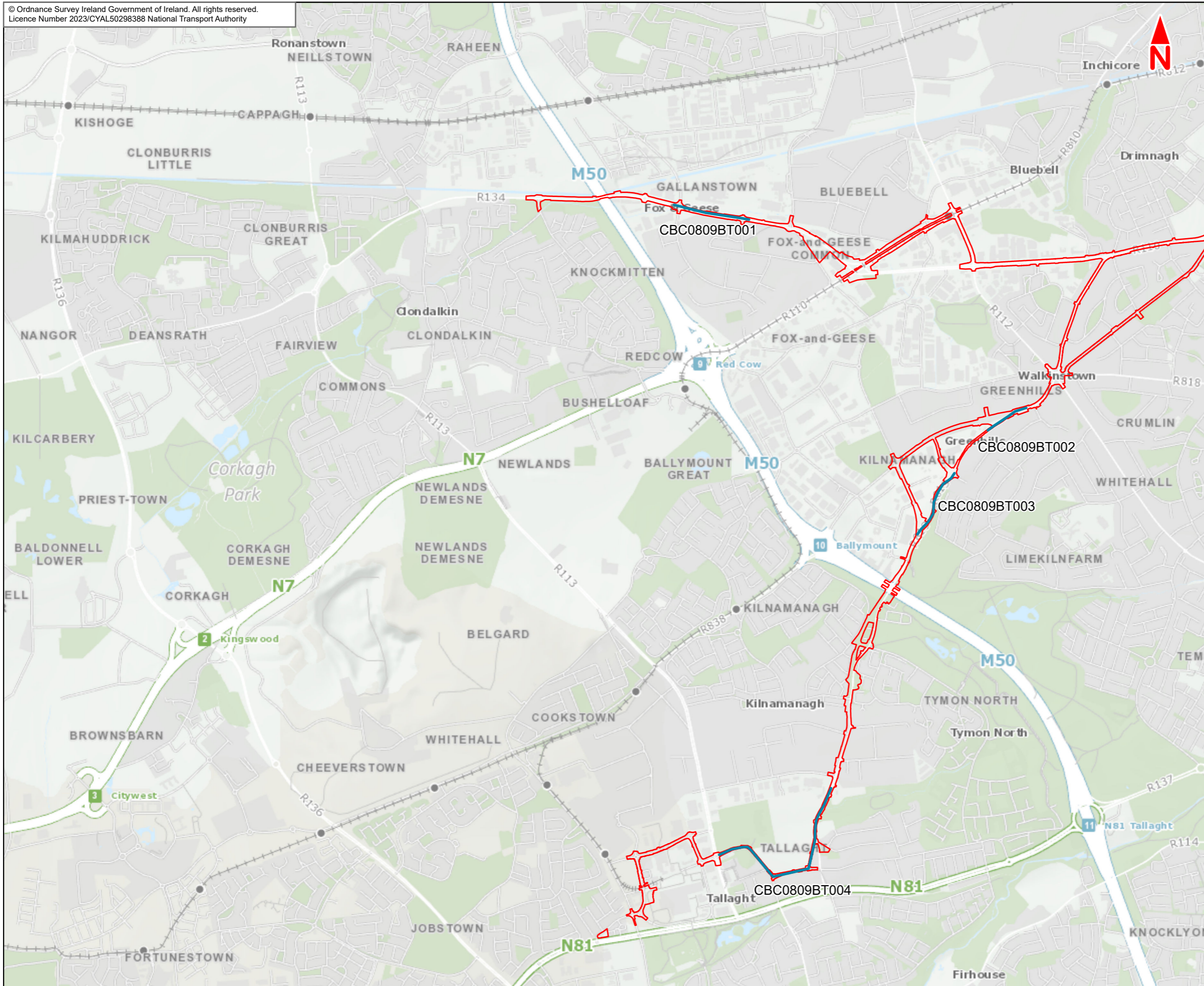


Chapter 12
Biodiversity





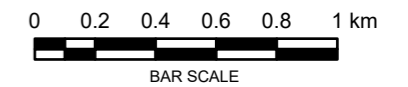
12.1.1
Ecological Study Areas:
Bat Activity Transect Routes



Legend :

- Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme
- Bat Survey Transects

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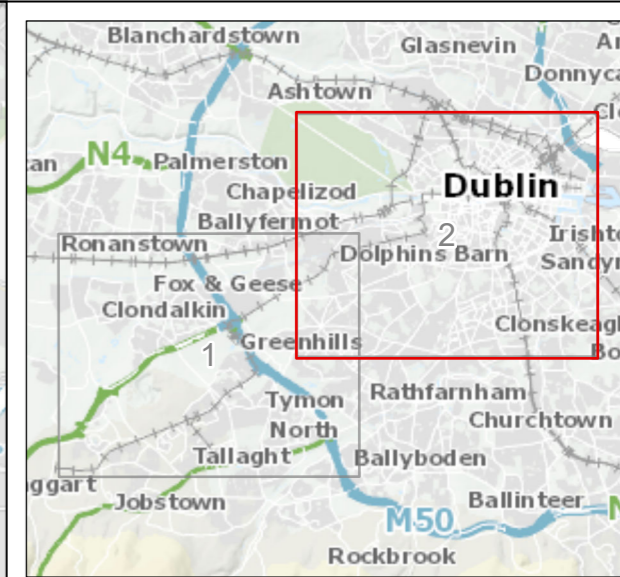
Rev	Date	Drn	Chk'd	App'd	Description
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NTA
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 National Transport Authority

Consultant
JACOBS
ARUP SYSTRA

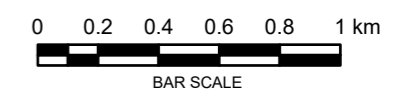
Programme Title BUSCONNECTS DUBLIN			
CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.1.1 Ecological Study Areas: Bat Activity Transect Routes			
Drawing File Name BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0101	Sheet Number 1 of 2	Status A	Rev M01

Date 16/03/2023	Scale @ A3 1:25 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		



Legend :
 Tallaght / Clonskeagh to City Centre Core Bus Corridor Scheme
 Bat Survey Transects

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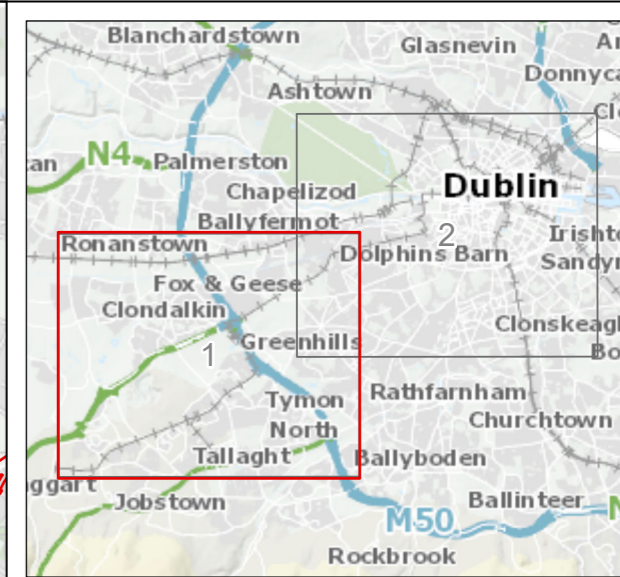
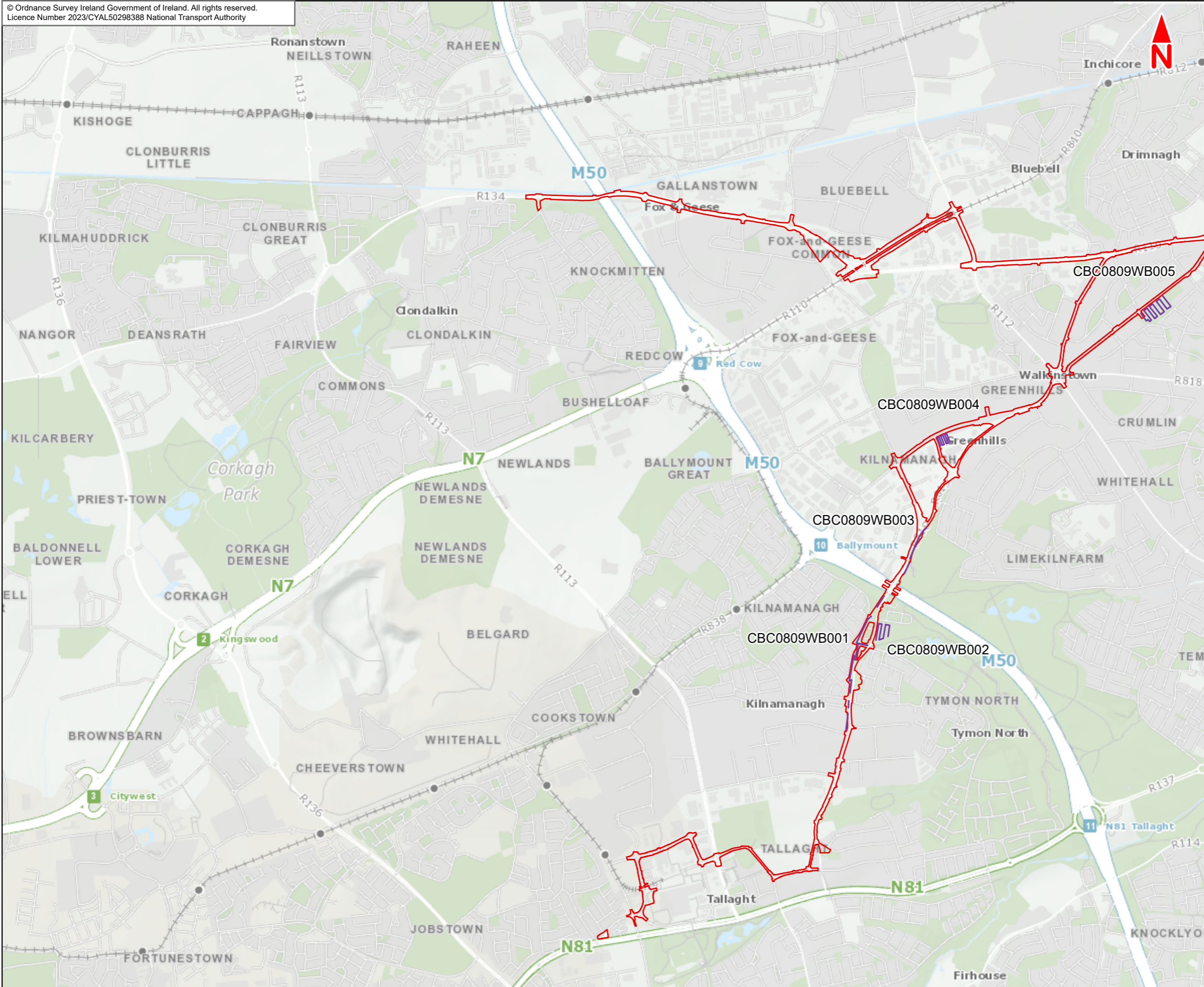
Consultant


Date	Scale @ A3	Drawn	Checked	Approved
16/03/2023	1:25 000	EK	PW	DK
Project Code	Originator Code	QMS Code		
BCIDE	JAC			

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title Tallaght / Clonskeagh to City Centre Core Bus Corridor Scheme Figure 12.1.1 Ecological Study Areas: Bat Activity Transect Routes			
Drawing File Name	Sheet Number	Status	Rev
BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0102	2 of 2	A	M01

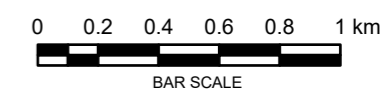


12.1.2
Ecological Study Areas:
Wintering Bird Transect Routes



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

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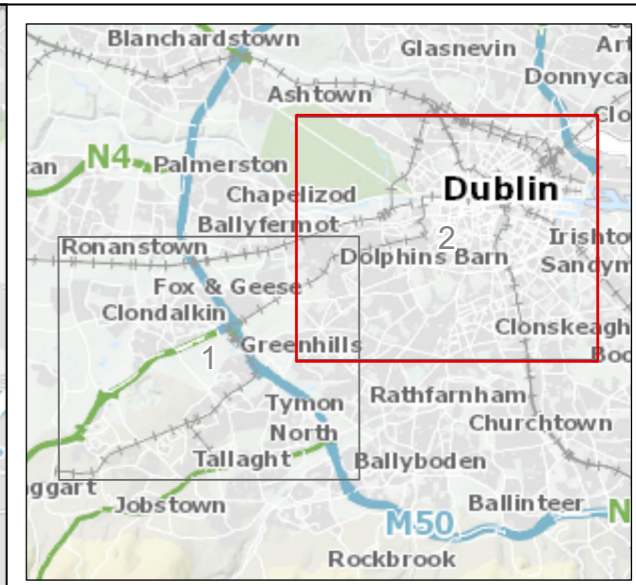
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National Transport Authority

Consultant: **JACOBS ARUP SYSTRA**

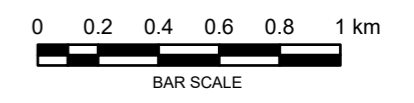
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 Drawn: EK | Checked: PW | Approved: DK
 Project Code: BCIDE | Originator Code: JAC | QMS Code:

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: Tallaght / Clondalkin 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-0809_XX_00-DR-GG-0301	Sheet Number: 1 of 2	Status: A	Rev: M01



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

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Date: 16/03/2023
Scale @ A3: 1:25 000

Consultant

JACOBS
ARUP SYSTRA

Drawn: EK
Checked: PW
Approved: DK

Programme Title

**BUSCONNECTS DUBLIN
CORE BUS CORRIDORS INFRASTRUCTURE WORKS**

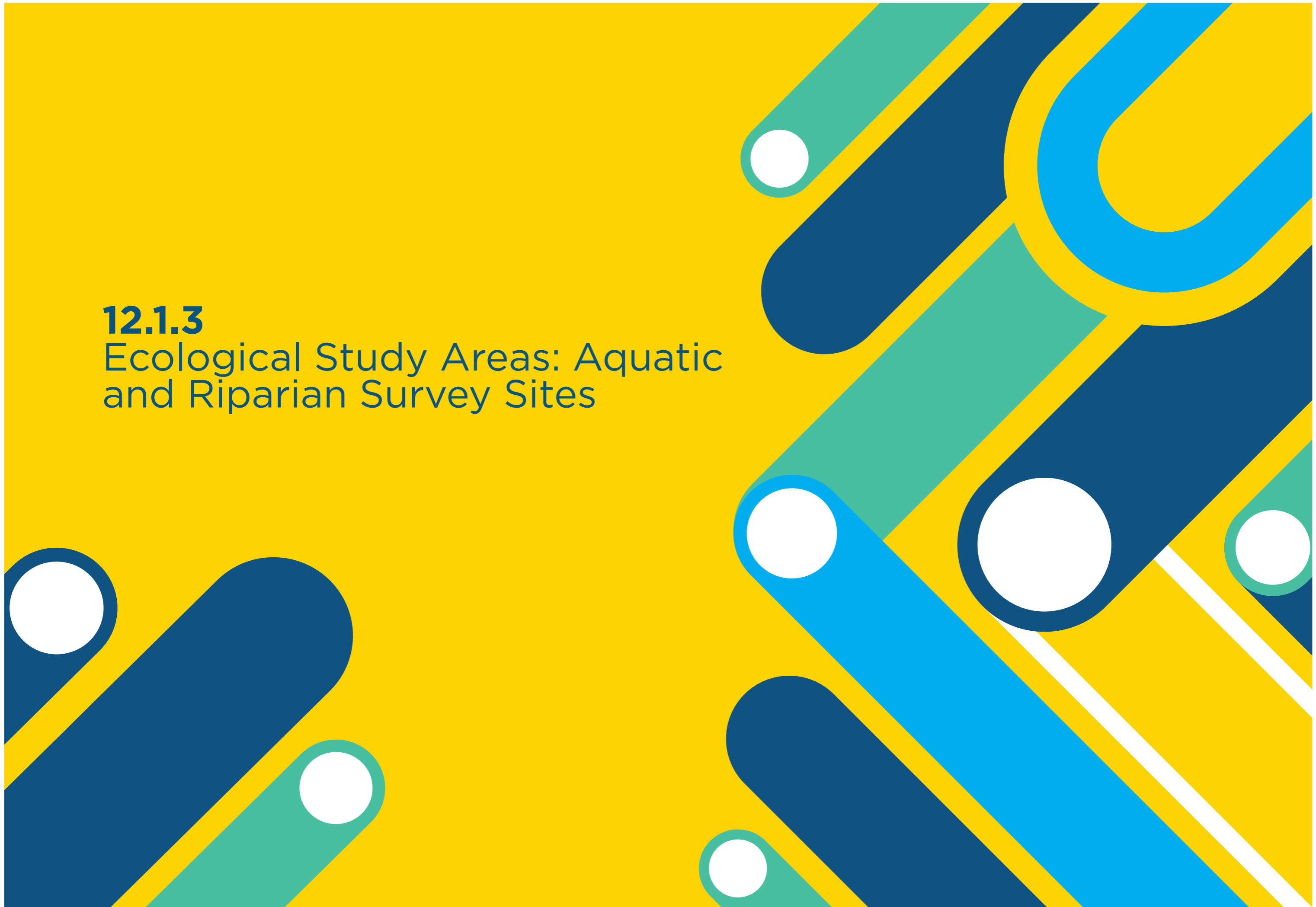
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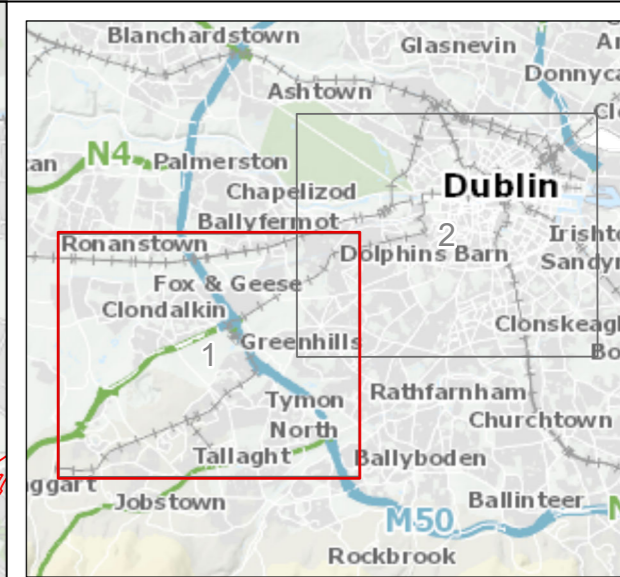
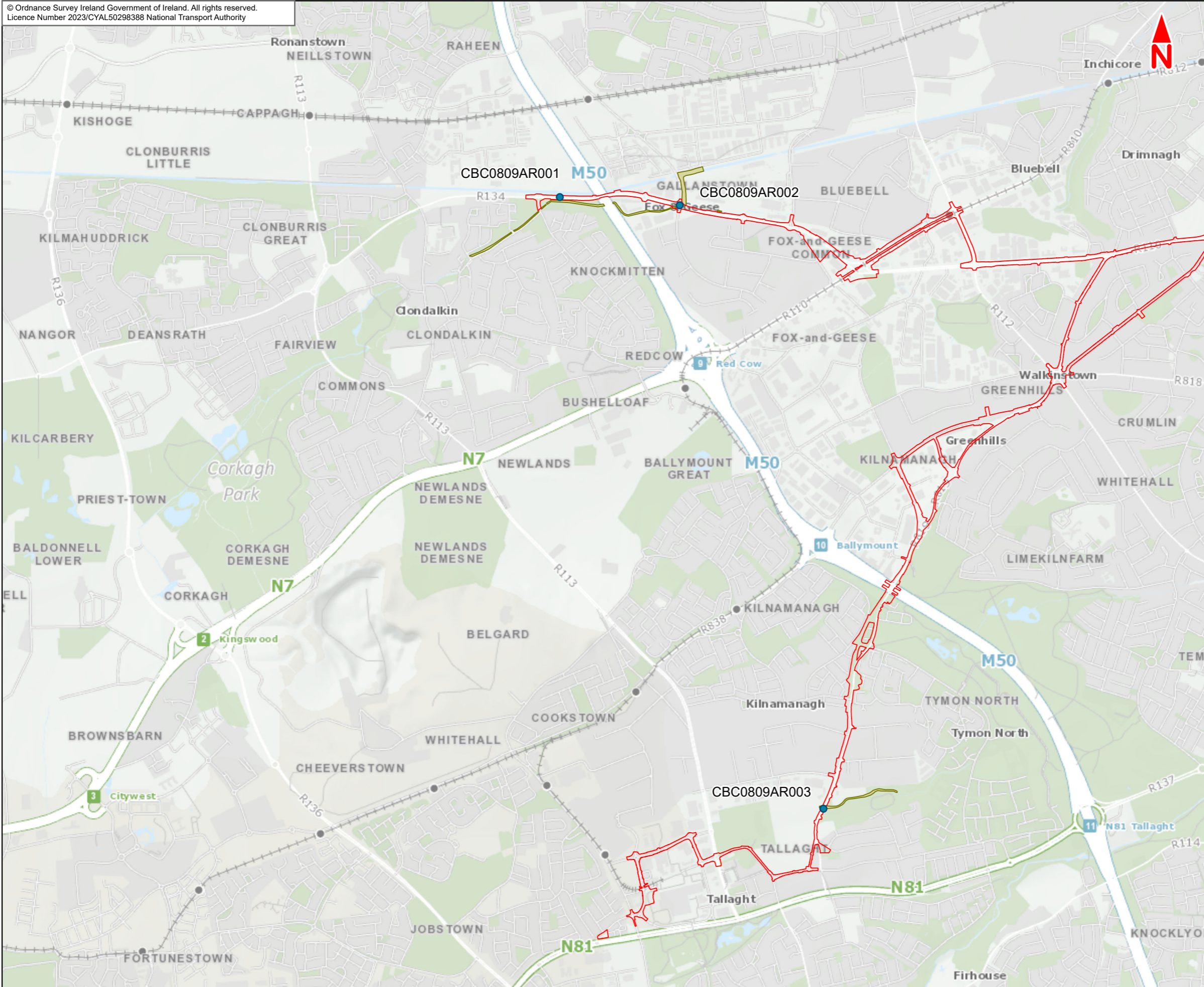
Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme
Figure 12.1.2
Ecological Study Areas: Wintering Bird Transect Routes

Drawing File Name: BCIDE-JAC-ENV BD-0809_XX 00-DR-GG-0302
Sheet Number: 2 of 2
Status: A
Rev: M01

12.1.3

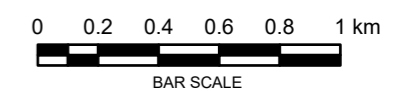
Ecological Study Areas: Aquatic
and Riparian Survey Sites





- Legend :**
- Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme
 - Aquatic and Riparian Survey Sites
 - Extent of Otter and Kingfisher Survey

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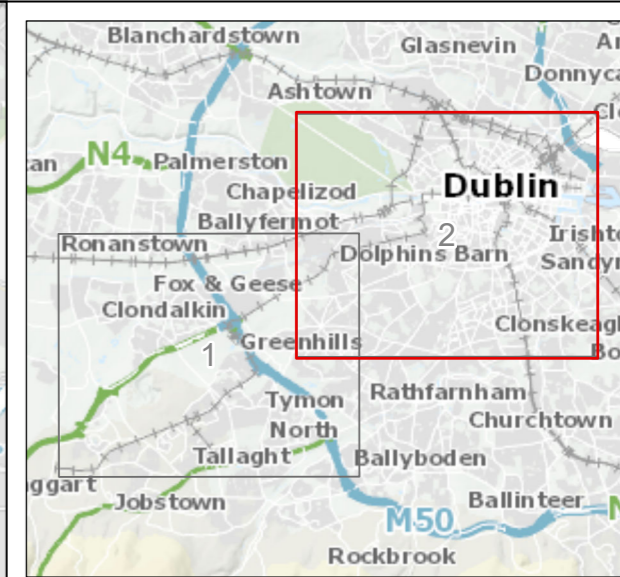
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National Transport Authority

Consultant: **JACOBS**
ARUP SYSTRA

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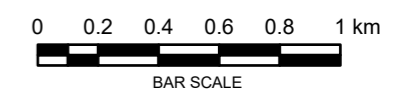
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Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.1.3 Ecological Study Areas: Aquatic and Riparian Survey Sites			
Drawing File Name: BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0901	Sheet Number: 1 of 2	Status: A	Rev: M01



Legend :
 Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme

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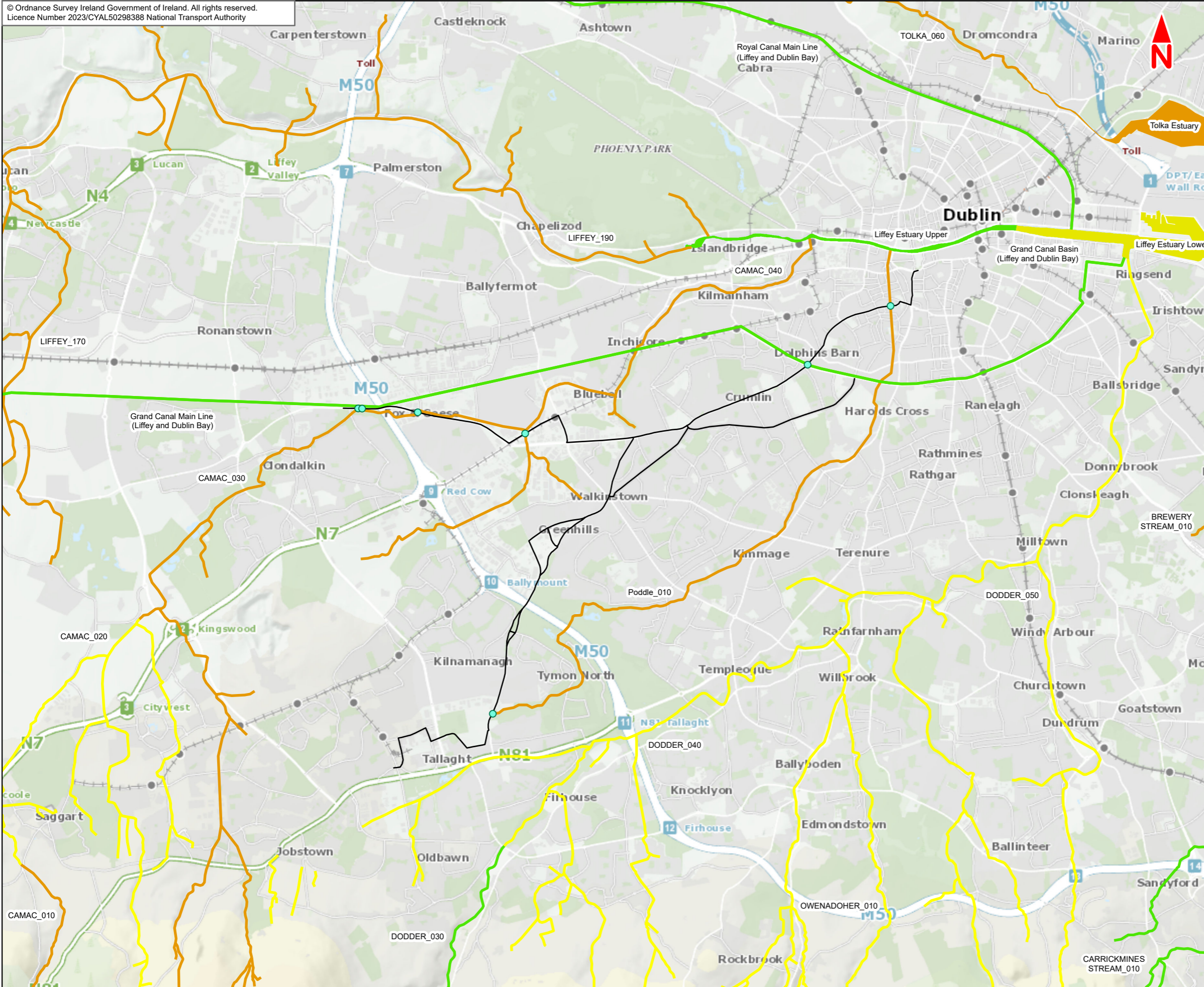
Project Code: BCIDE
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Drawn: EK
 Checked: PW
 Approved: DK

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: Tallaght / Clondalkin 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-0809_XX_00-DR-GG-0902	Sheet Number: 2 of 2	Status: A	Rev: M01

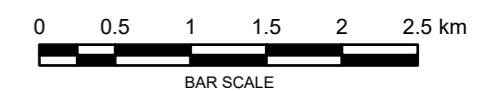


12.2
Hydrological Connectivity to
the Proposed Scheme



- Legend :**
- Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme
 - Scheme Waterbody Crossings
 - Canal Waterbody WFD Status 2016 - 2021**
 - Good
 - Moderate
 - Poor
 - 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

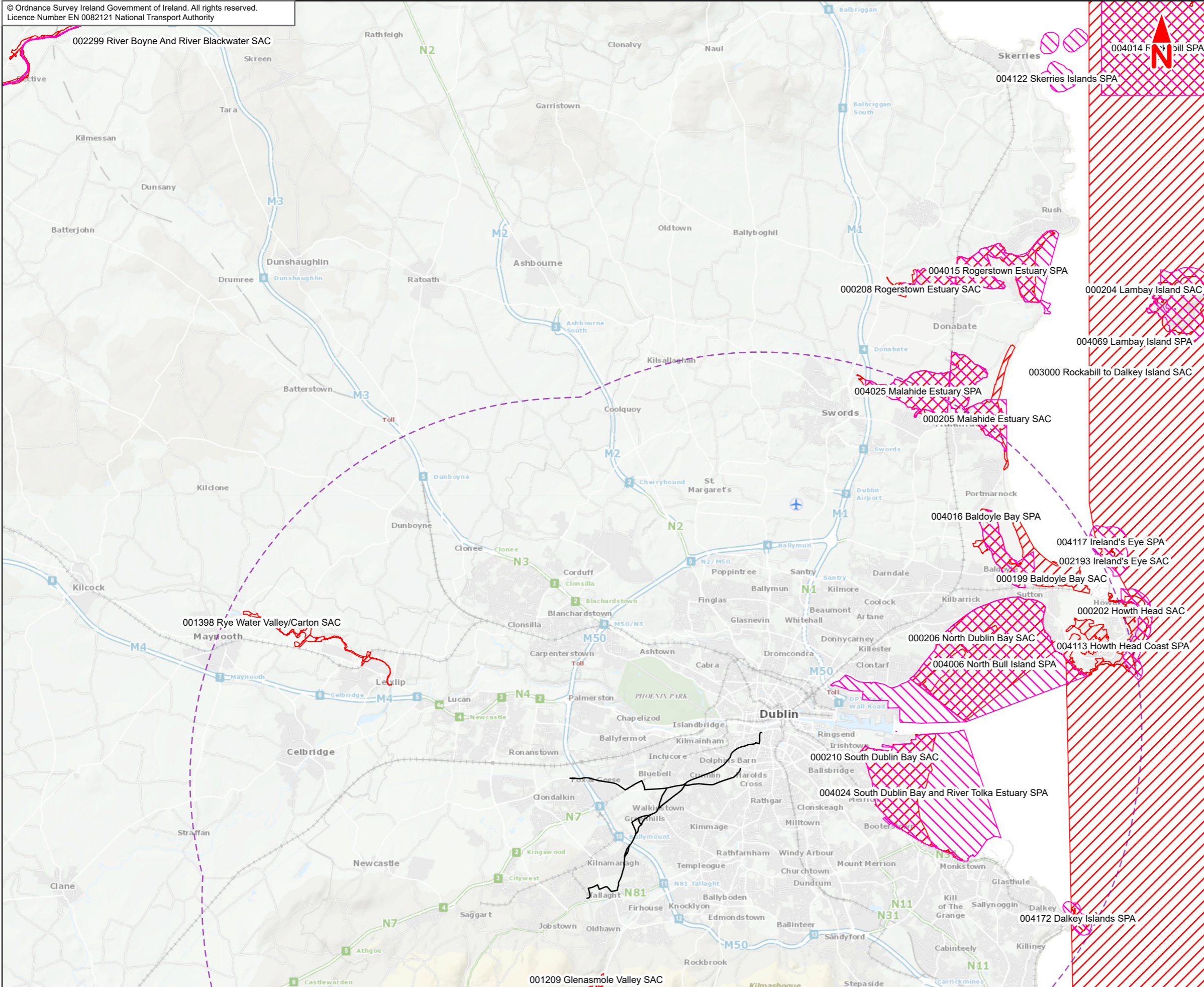
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QMS Code: _____

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Drawing Title: Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.2 Hydrological Connectivity to the Proposed Scheme			
Drawing File Name: BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0003	Sheet Number: 1 of 1	Status: A	Rev: M01

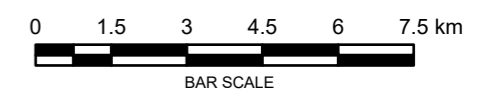


12.3
European Sites in the Vicinity
of the Proposed Scheme



- Legend :**
- Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme
 - 15km from Proposed Scheme
 - Special Protection Areas
 - Special Area of Conservation

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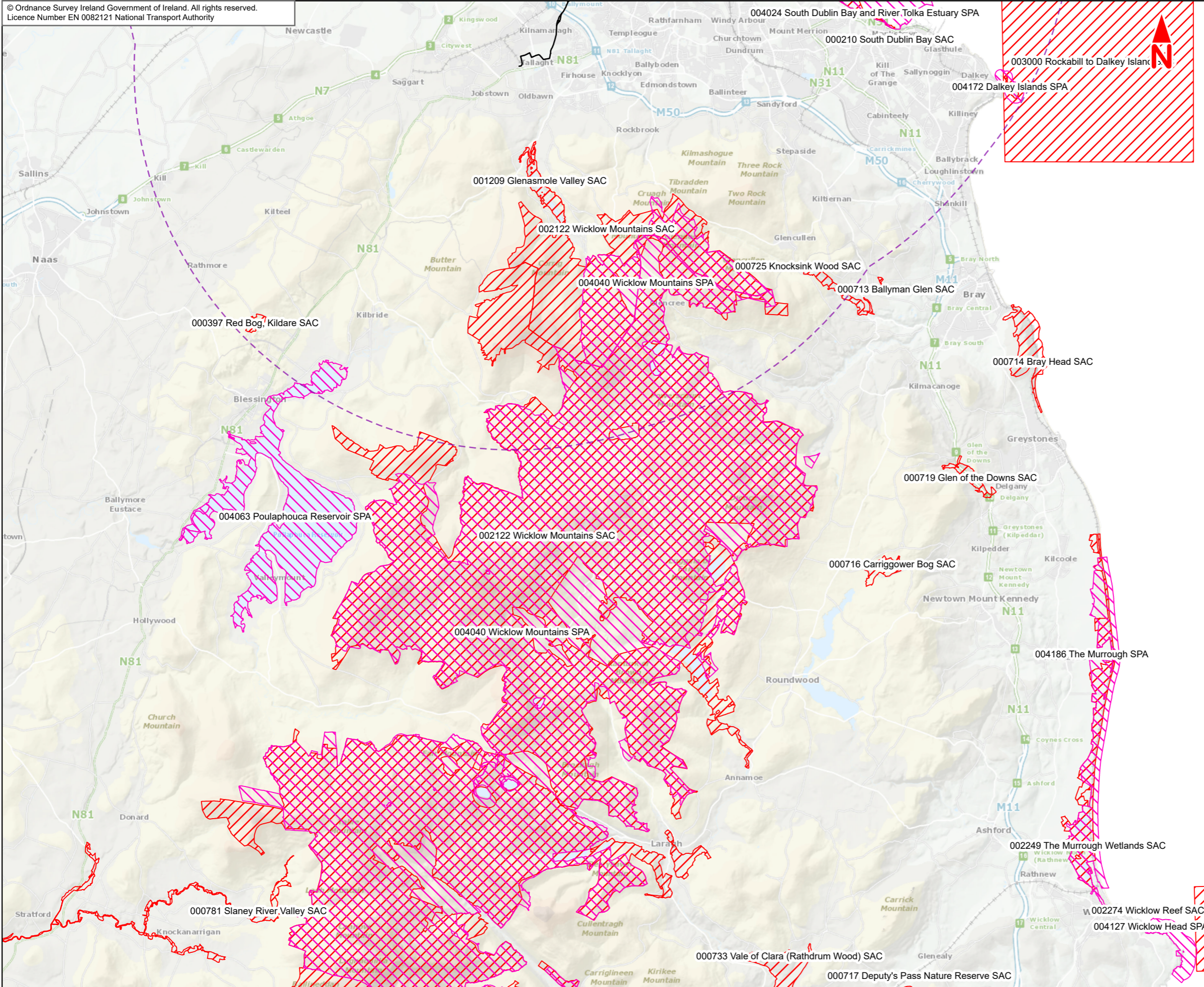
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M01	Mar 2023	EK	PW	DK	ISSUE FOR PHASE 4 : PLANNING

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

Consultant: **JACOBS ARUP SYSTRA**

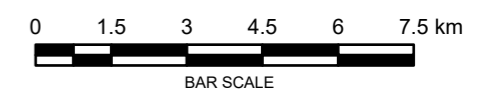
Date: 16/03/2023 | Scale @ A3: 1:150 000
 Drawn: EK | Checked: PW | Approved: DK
 Project Code: BCIDE | Originator Code: JAC | QMS Code:

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: Tallaght / Clondalkin 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-0809_XX_00-DR-GG-0001	Sheet Number: 1 of 2	Status: A	Rev: M01



- Legend :**
- Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme
 - 15km from Proposed Scheme
 - Special Protection Areas
 - Special Area of Conservation

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Project Code: BCIDE | Originator Code: JAC

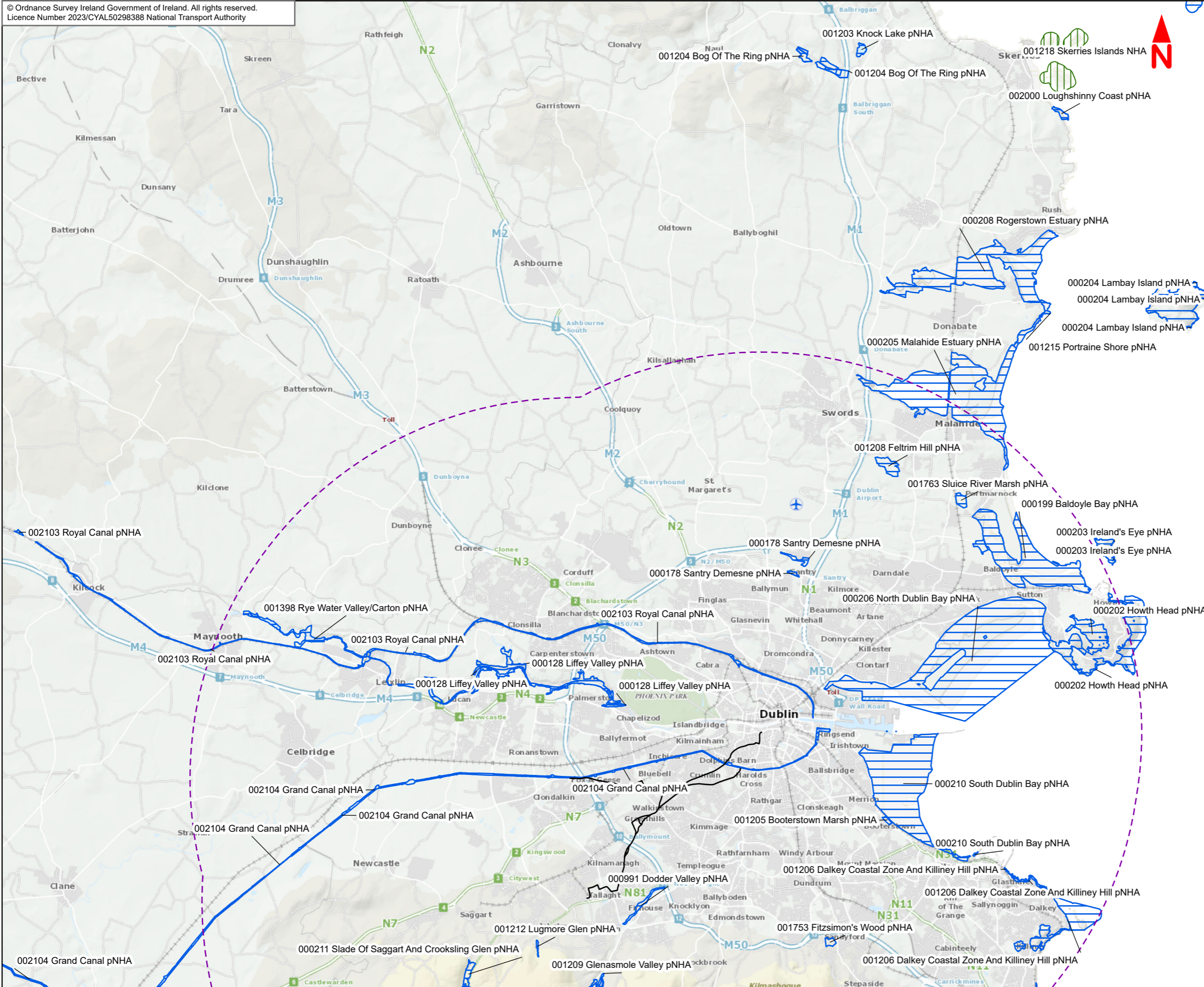
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Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.3			
European sites in the Vicinity of the Proposed Scheme			
Drawing File Name: BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0091	Sheet Number: 2 of 2	Status: A	Rev: M01

12.4

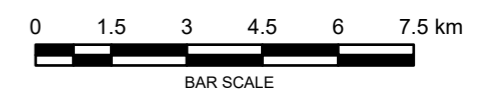
Natural Heritage Areas and
the Proposed Natural Heritage
Areas in the Vicinity of the
Proposed Scheme





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

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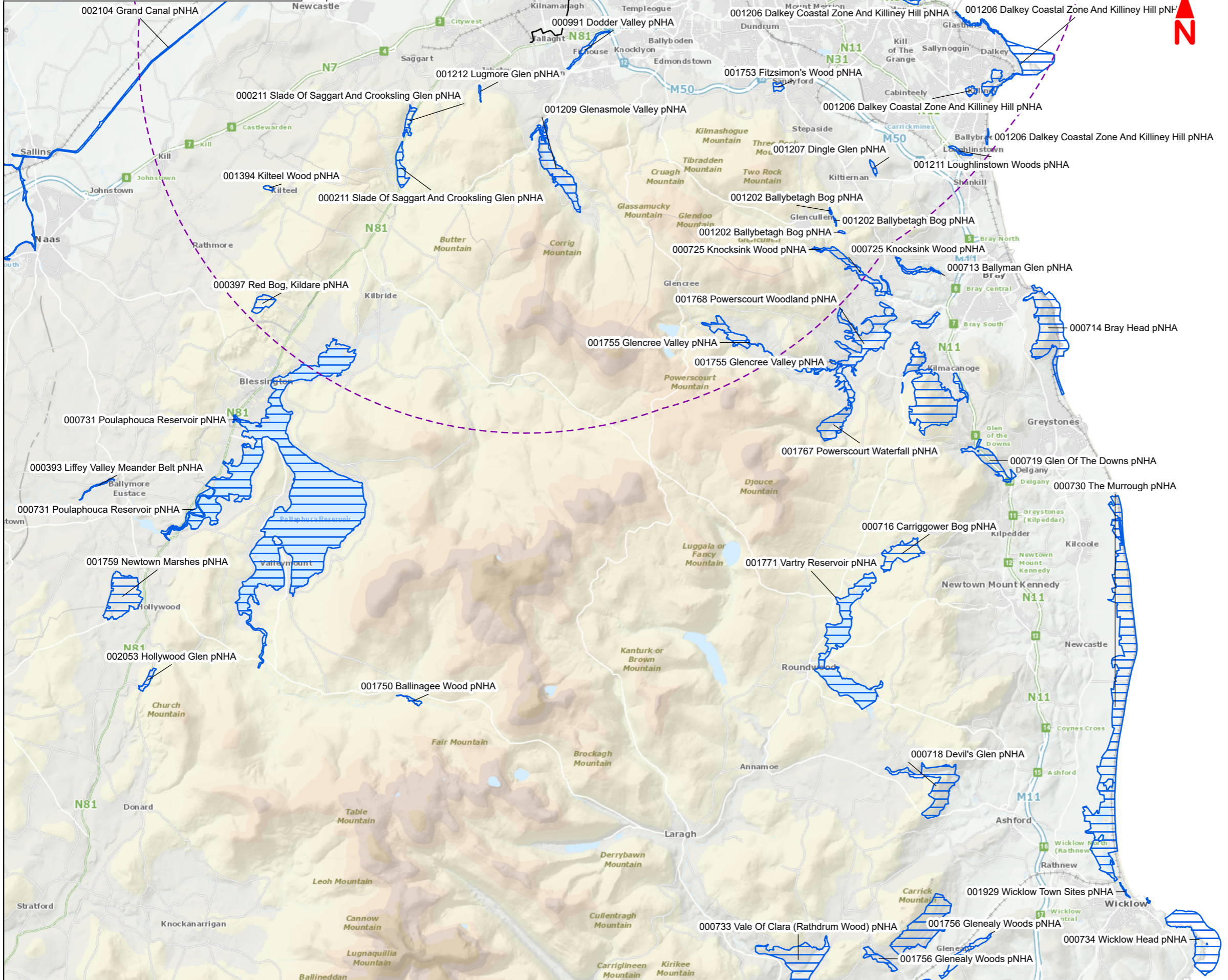
Client
NTA
Udarás Náisiúnta Iompair
National Transport Authority

Date: 16/03/2023
Scale @ A3: 1:150 000

Consultant
JACOBS ARUP SYSTRA

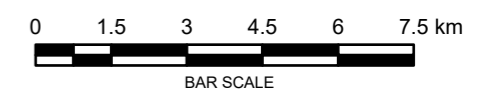
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Checked: PW
Approved: DK

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title Tallaght / Clondalkin 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-0809_XX_00-DR-GG-0002	Sheet Number 1 of 2	Status A	Rev M01



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

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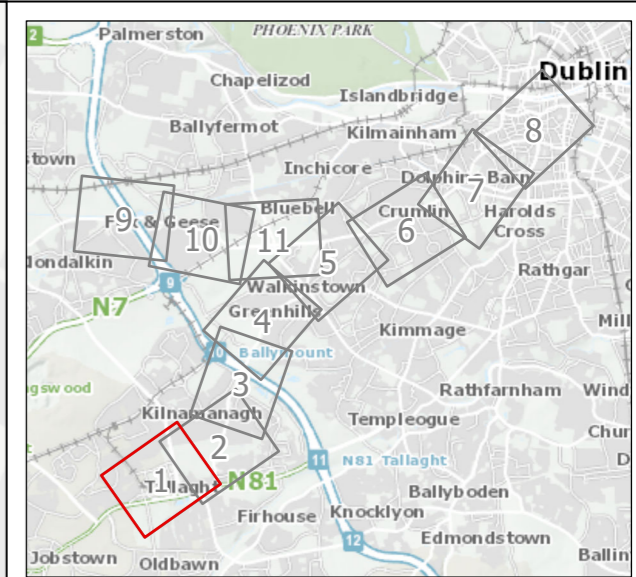
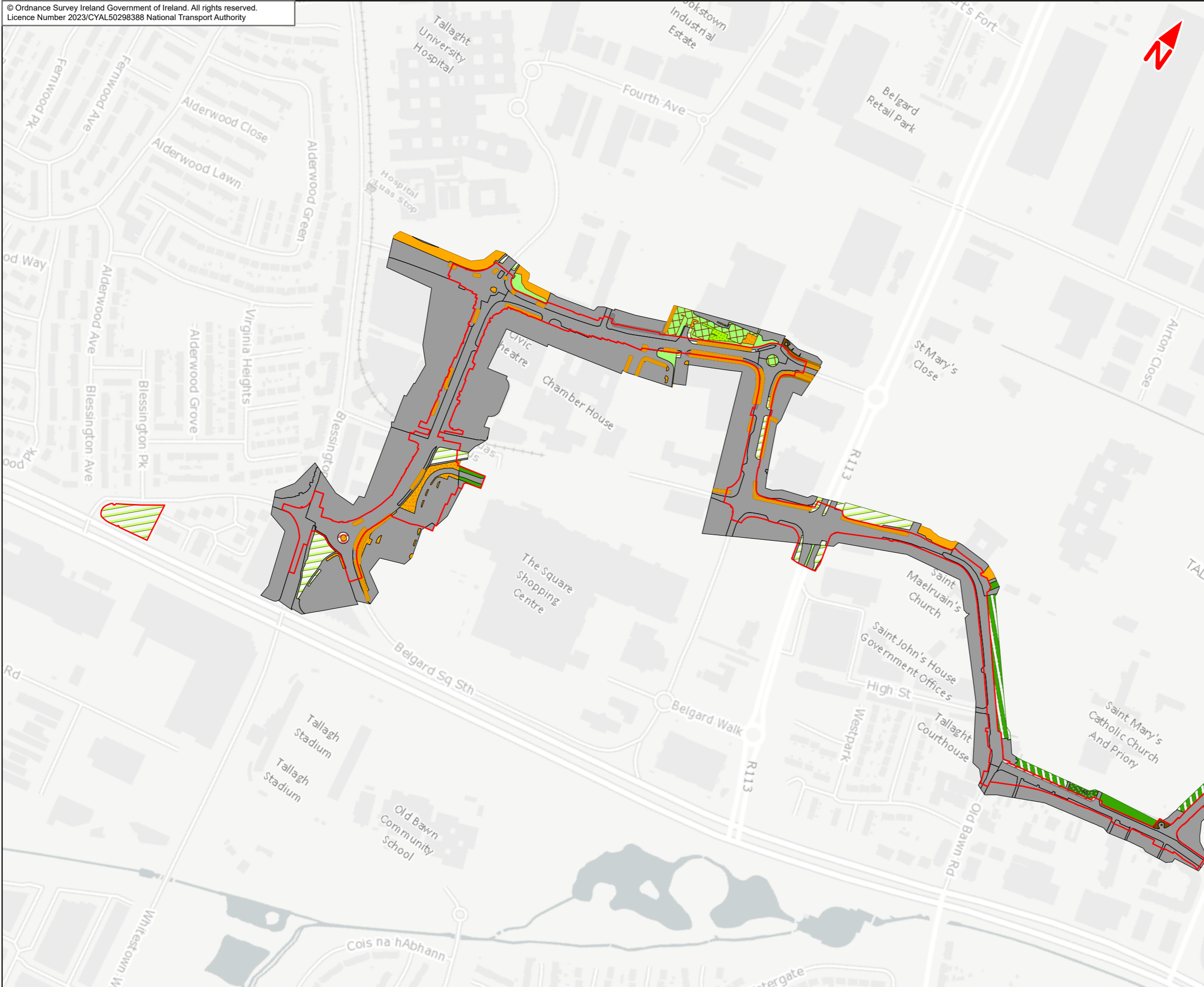
Consultant: **JACOBS ARUP SYSTRA**

Date: 16/03/2023 | Scale @ A3: 1:150 000
 Project Code: BCIDE | Originator Code: JAC
 Drawn: EK | Checked: PW | Approved: DK

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: Tallaght / Clondalkin 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-0809_XX_00-DR-GG-0092	Sheet Number: 2 of 2	Status: A	Rev: M01



12.5
Habitat Survey Results
- Fossitt 2000 Habitat
Classification



Legend :
 Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme

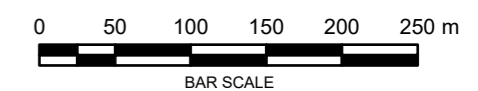
Fossitt Habitat Types

- BL3
- WL1
- WL2
- BC4
- BL1
- BL3
- ED2
- GA2
- GS2
- WD1
- WD2
- WD5
- WL1
- WL2
- WS1
- WS3
- Res

Other Habitat Types

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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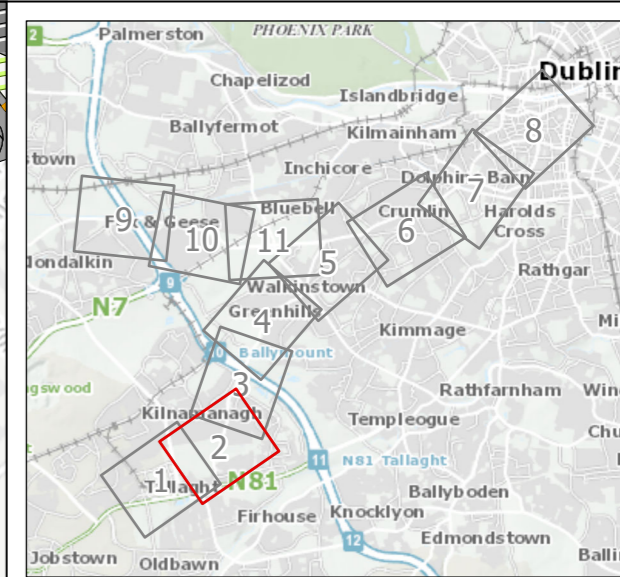
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Date 21/03/2023	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.5 Habitat Survey Results - Fossitt 2000 Habitat Classification				
Drawing File Name BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0201	Sheet Number 1 of 11	Status A	Rev M01	



Legend :

Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme

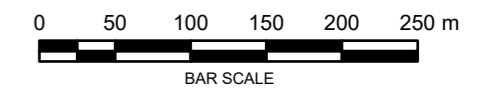
Fossitt Habitat Types

- BL1
- BL3
- WL1
- WL2
- WS3
- BC4
- BL1
- BL3
- ED2
- ED3
- FW2
- GA2
- GS2
- WD1
- WD2
- 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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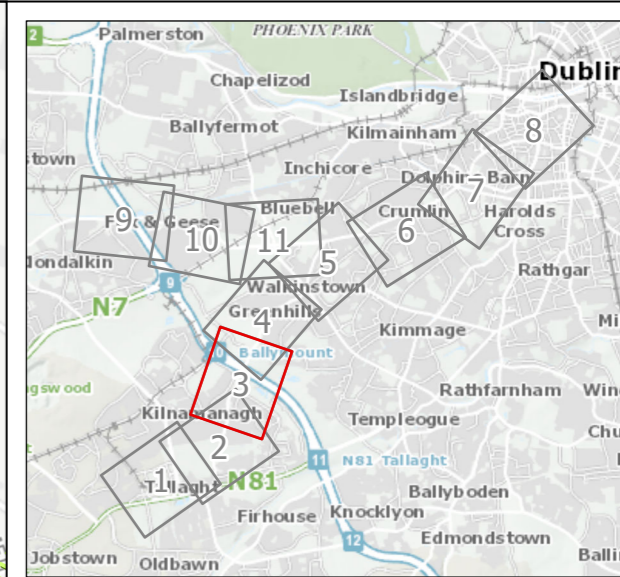
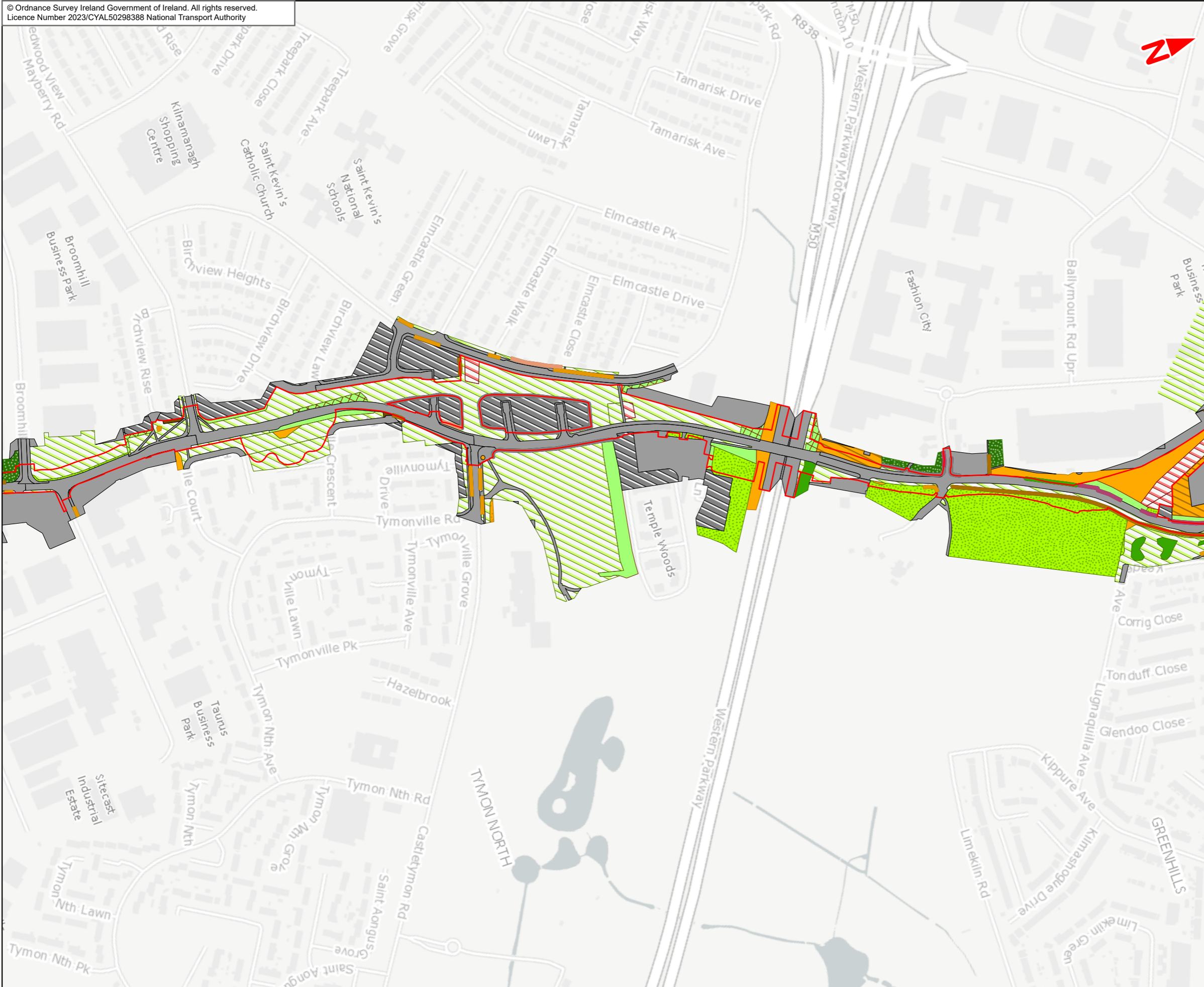
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Project Code BCIDE	Originator Code JAC	QMS Code		

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.5 Habitat Survey Results - Fossitt 2000 Habitat Classification				
Drawing File Name BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0202	Sheet Number 2 of 11	Status A	Rev M01	



Legend :
 Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme

Fossitt Habitat Types

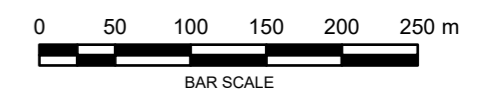
- BL1
- BL3
- GS2
- WL1
- WL2
- WS3
- BC4
- BL3
- ED2
- GA2
- GS2
- WD1
- WD5
- WL1
- WL2
- WS1
- WS2
- WS3

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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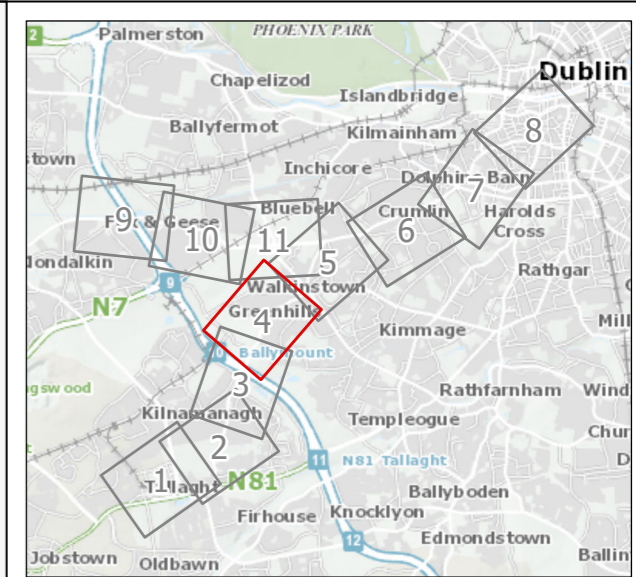
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Date 21/03/2023	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.5 Habitat Survey Results - Fossitt 2000 Habitat Classification				
Drawing File Name BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0203	Sheet Number 3 of 11	Status A	Rev M01	



Legend :

Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme

Fossitt Habitat Types

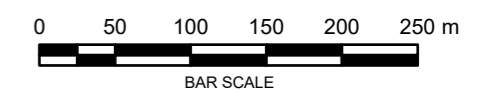
- BL1
- BL3
- GS2
- WL1
- WL2
- WS3
- BC4
- BL3
- ED2
- GA2
- GS2
- WD1
- WD5
- WL1
- WS1
- WS2
- WS3

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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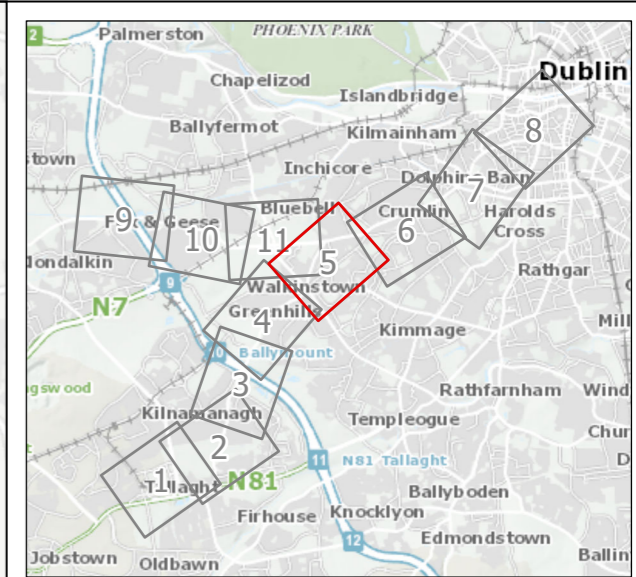
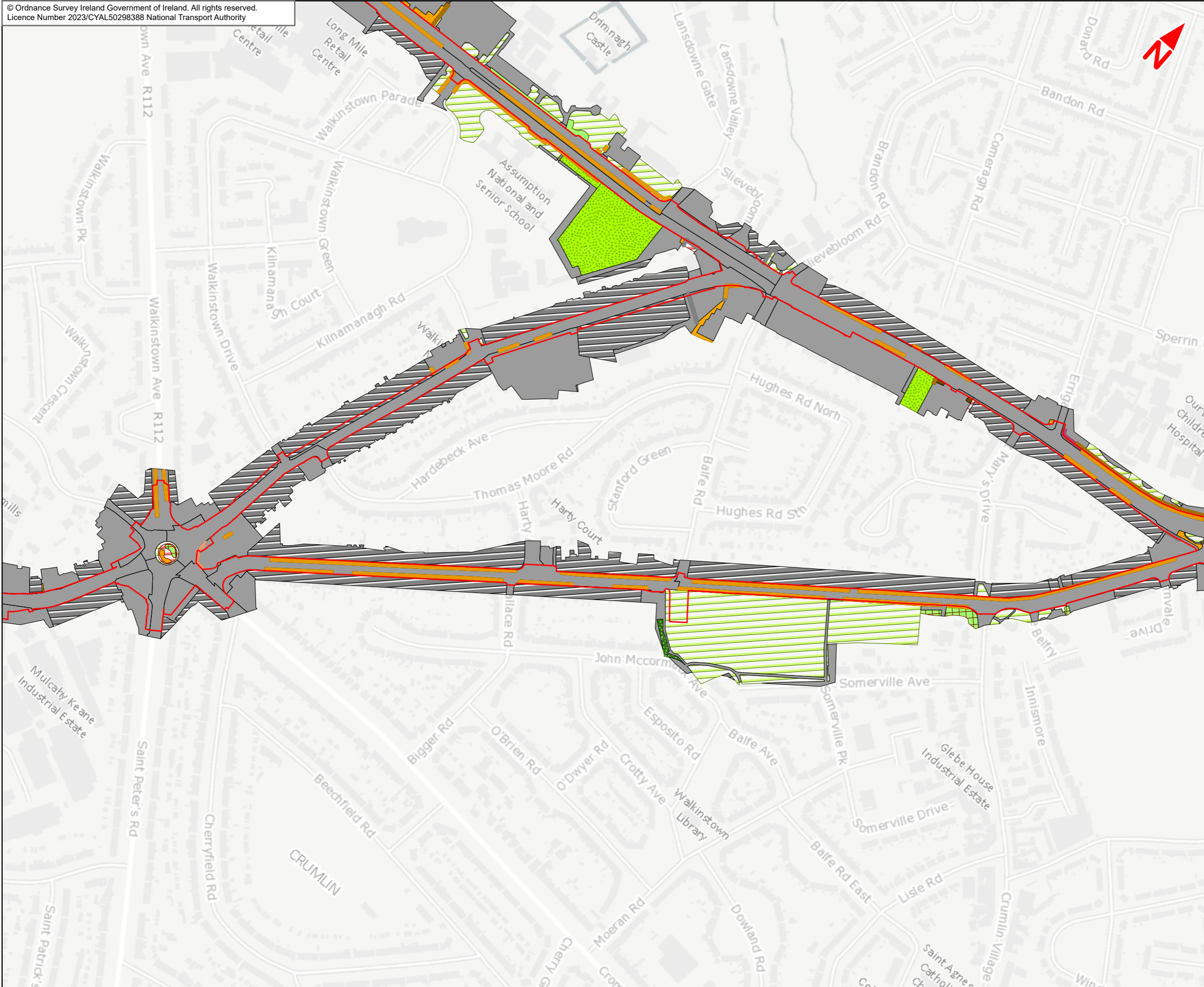
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National Transport Authority

Consultant: **JACOBS ARUP SYSTRA**

Date: 21/03/2023 | Scale @ A3: 1:5 000
 Drawn: EK | Checked: PW | Approved: DK
 Project Code: BCIDE | Originator Code: JAC | QMS Code:

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.5			
Drawing Description: Habitat Survey Results - Fossitt 2000 Habitat Classification			
Drawing File Name: BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0204	Sheet Number: 4 of 11	Status: A	Rev: M01



Legend :
 Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme

Fossitt Habitat Types

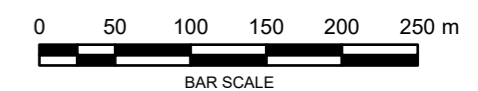
- BL1
- BL3
- WL1
- WL2
- WS3
- BC4
- BL3
- ED2
- GA2
- GS2
- WD5
- WL1
- WL2
- WS1
- WS3

Other Habitat Types

- Res

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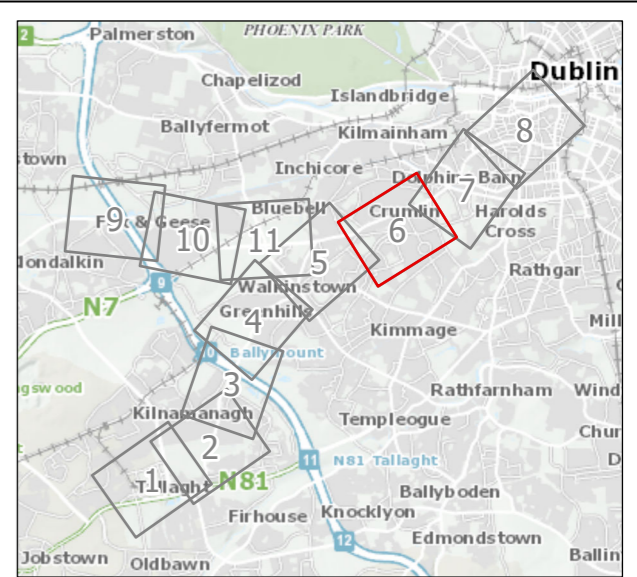
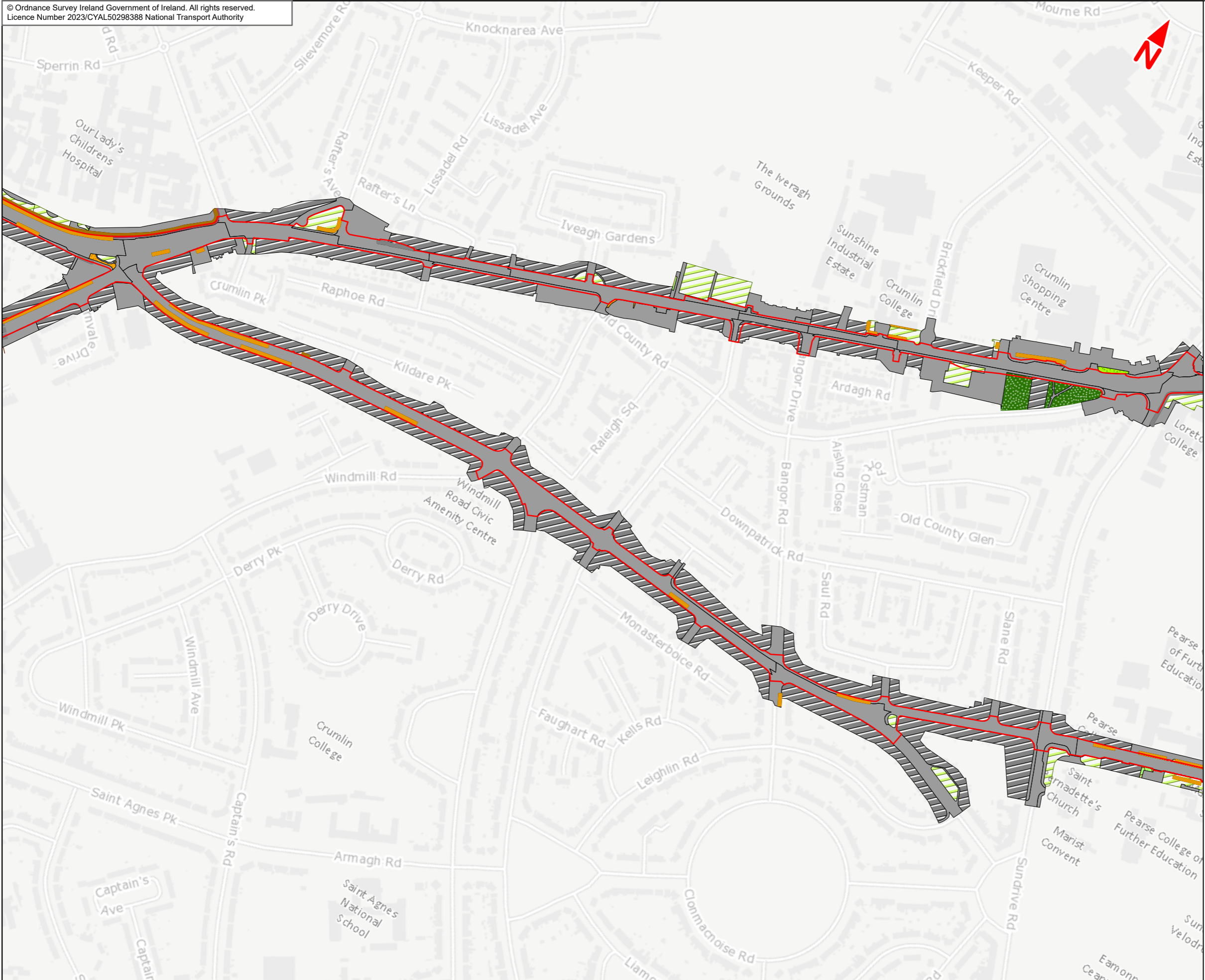
Rev	Date	Drn	Chk'd	App'd	Description
M01	Mar 2023	EK	PW	DK	ISSUE FOR PHASE 4: PLANNING

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

Consultant: **JACOBS ARUP SYSTRA**

Date: 21/03/2023 Scale @ A3: 1:5 000
 Drawn: EK Checked: PW Approved: DK
 Project Code: BCIDE Originator Code: JAC QMS Code:

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.5 Habitat Survey Results - Fossitt 2000 Habitat Classification			
Drawing File Name: BCIDE-JAC-ENV BD-0809_XX 00-DR-GG-0205	Sheet Number: 5 of 11	Status: A	Rev: M01



Legend :

- Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme

Fossitt Habitat Types

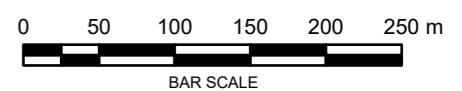
- BL1
- BL3
- WL1
- WL2
- BL3
- GA2
- GS2
- WD5
- WL1
- WL2
- WS3

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

Consultant: **JACOBS ARUP SYSTRA**

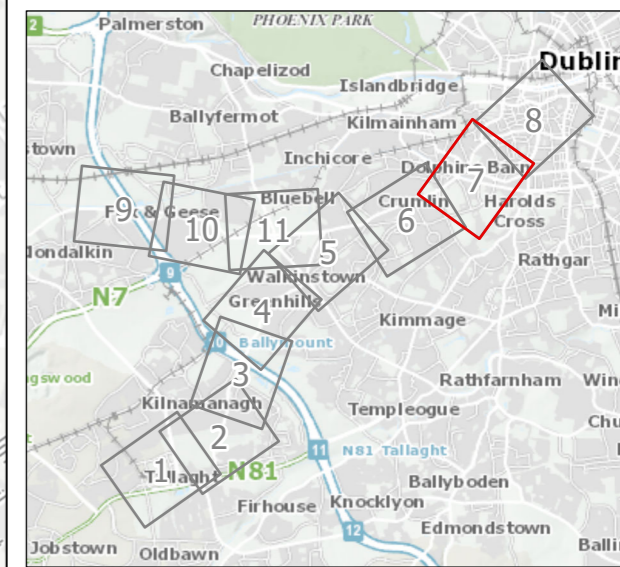
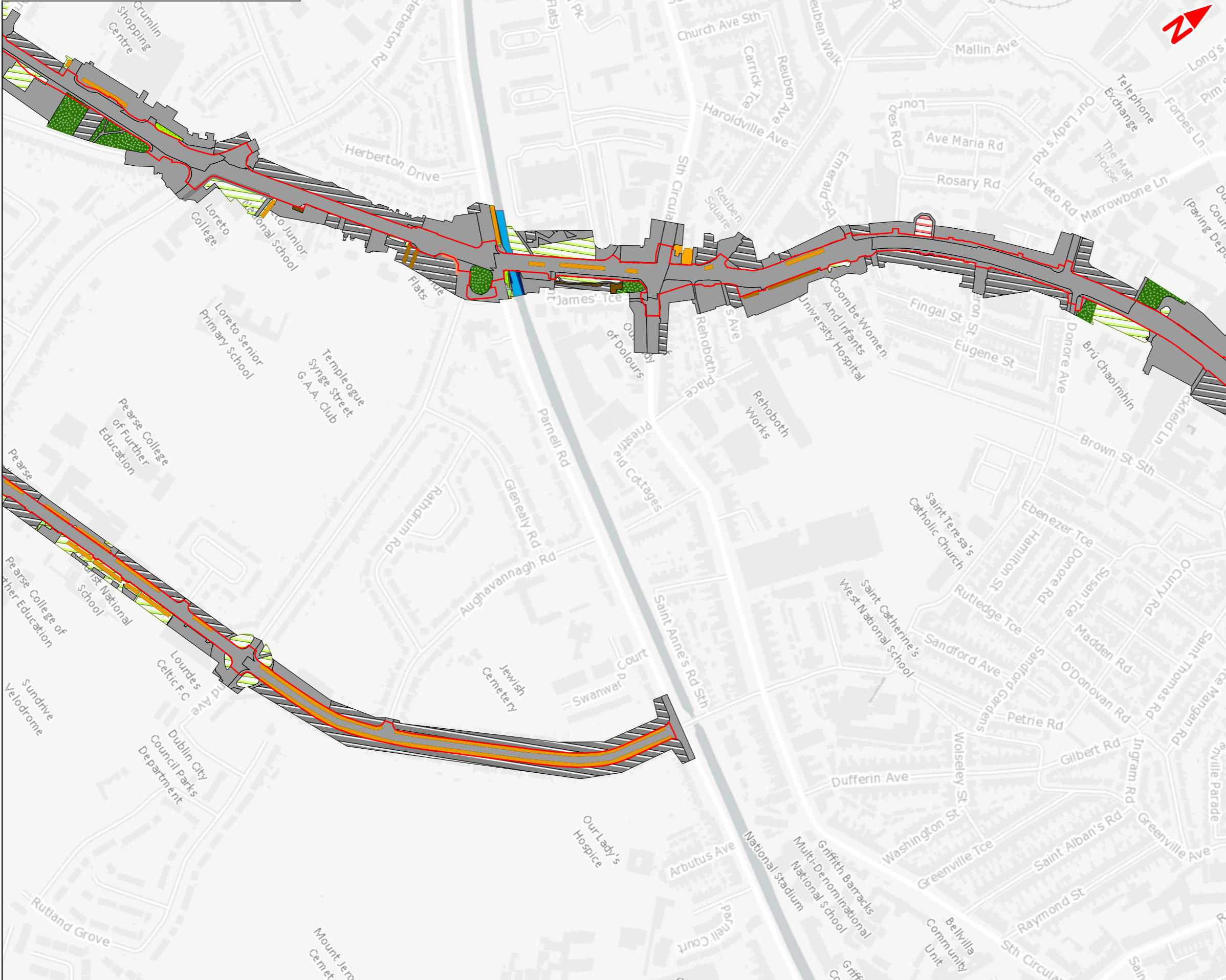
Date: 21/03/2023 Scale @ A3: 1:5 000

Project Code: BCIDE Originator Code: JAC

Drawn: EK Checked: PW Approved: DK

QMS Code: _____

Programme Title: BUSCONNECTS DUBLIN			
CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme			
Figure 12.5			
Habitat Survey Results - Fossitt 2000 Habitat Classification			
Drawing File Name: BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0206	Sheet Number: 6 of 11	Status: A	Rev: M01



Legend :
 Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme

Fossitt Habitat Types

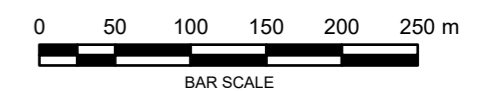
- BL3
- WL1
- WL2
- WS3
- BC4
- BL1
- BL3
- ED2
- FS1
- FW3
- GA2
- GS2
- WD5
- WL2
- WS1

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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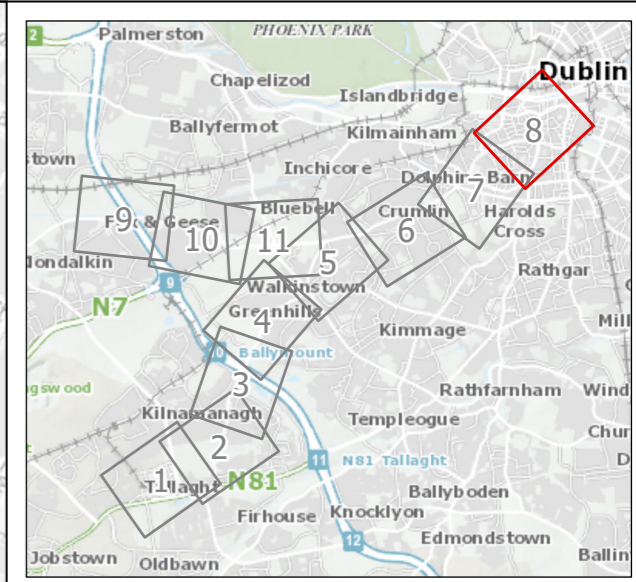
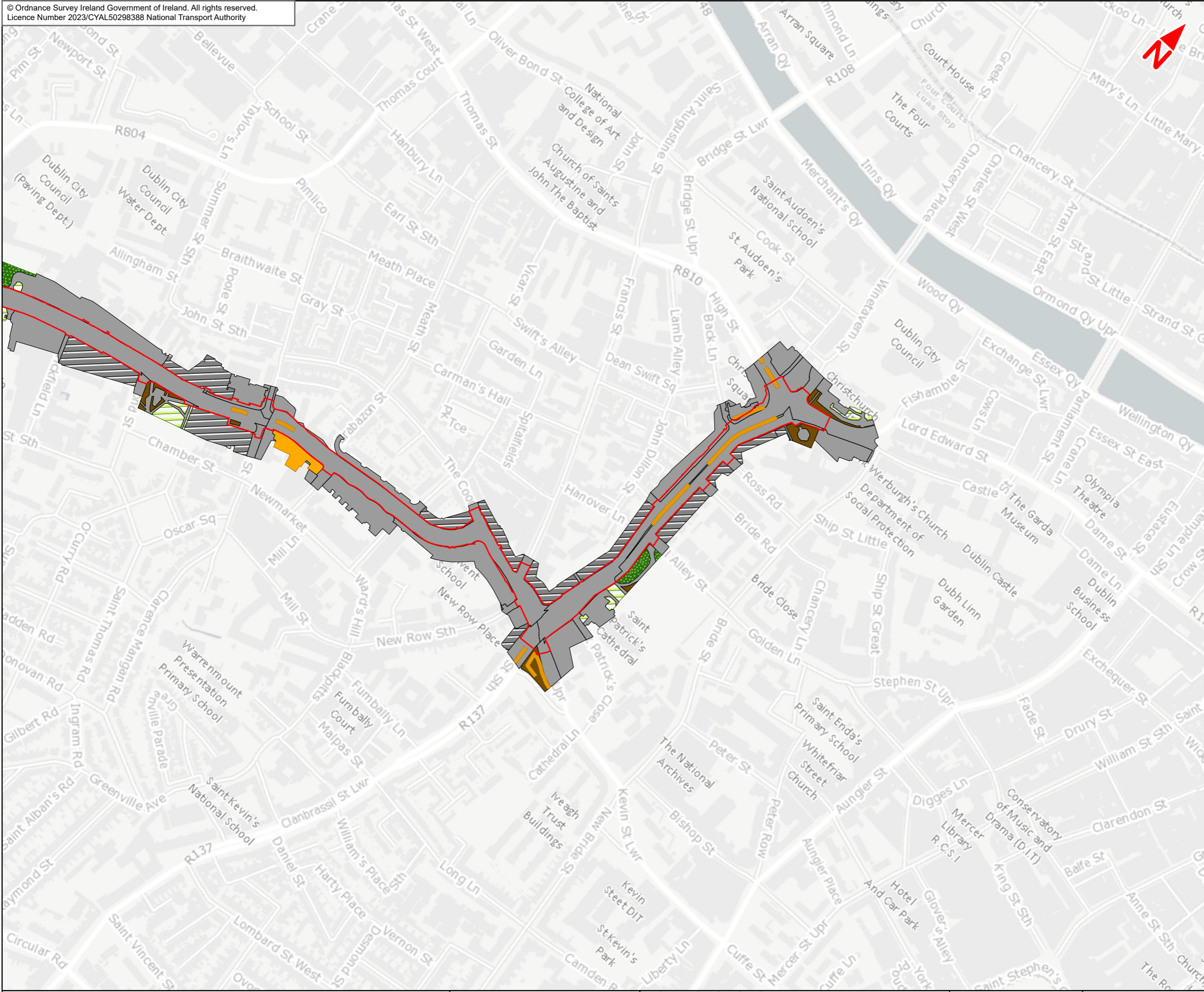
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Project Ireland 2040
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Client NTA Udarás Náisiúnta Iompair National Transport Authority		Consultant JACOBS ARUP SYSTRA		
Date 21/03/2023	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.5 Habitat Survey Results - Fossitt 2000 Habitat Classification				
Drawing File Name BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0207	Sheet Number 7 of 11	Status A	Rev M01	



Legend :

- Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme

Fossitt Habitat Types

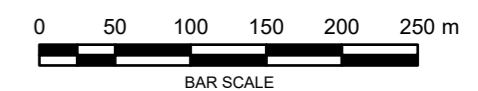
- WL2
- BC4
- BL3
- GA2
- WD5
- WL2
- WS1

Other Habitat Types

- Res

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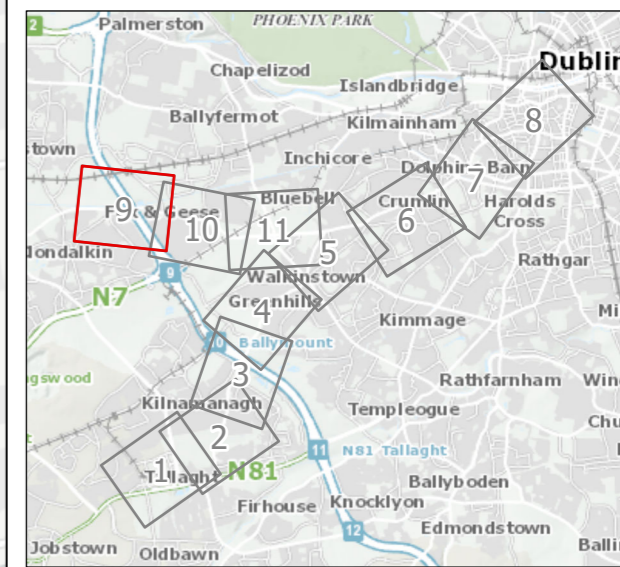
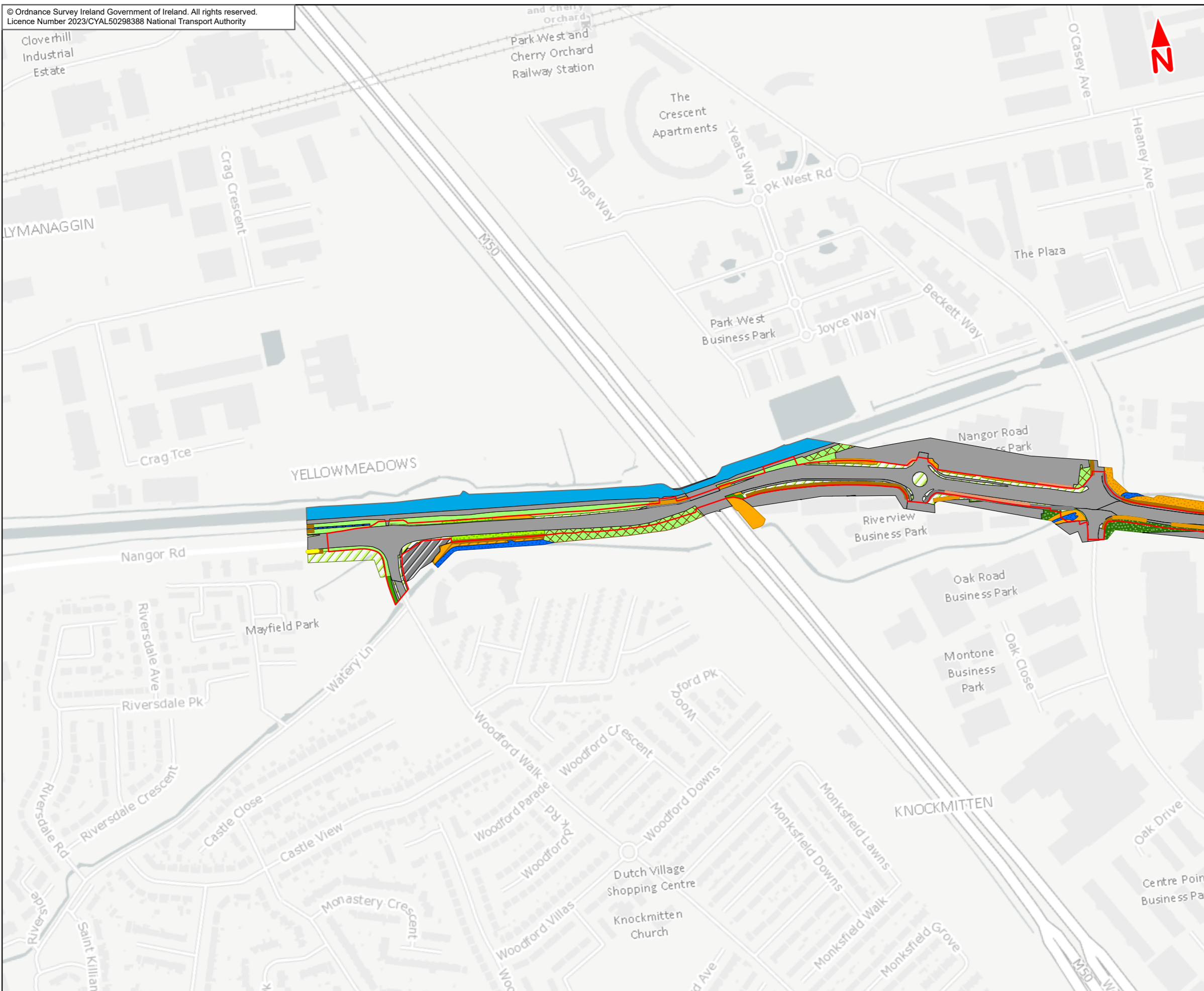


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M01	Mar 2023	EK	PW	DK	ISSUE FOR PHASE 4: PLANNING

Client
NTA
Udarás Náisiúnta Iompair
National Transport Authority

Consultant
JACOBS ARUP SYSTRA

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Habitat Survey Results - Fossitt 2000 Habitat Classification				
Date 21/03/2023	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		Drawing File Name BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0208
Sheet Number 8 of 11		Status A	Rev M01	



Legend :

Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme

Fossitt Habitat Types

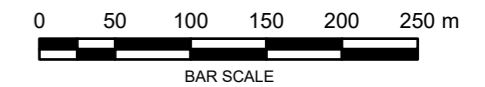
- BL3
- WL1
- WL2
- WS1
- WS3
- BL3
- FW2
- FW3
- FW4
- GA2
- GS2
- WD1
- WD5
- WL1
- WL2
- WS1
- WS2
- WS3

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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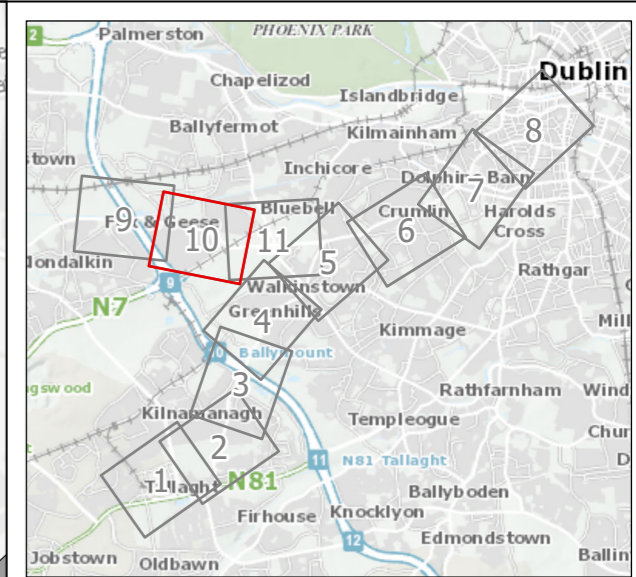
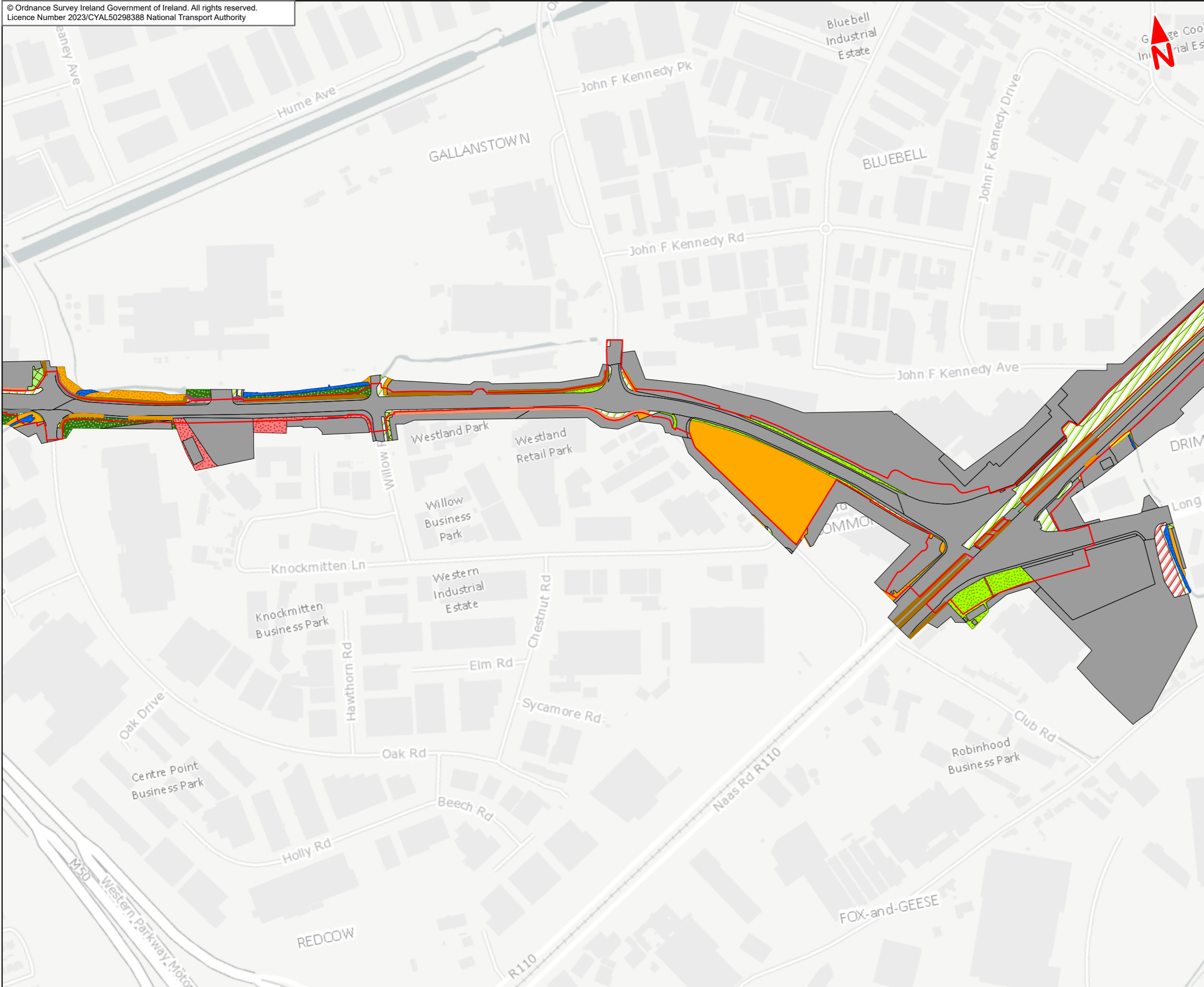
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Client NTA Udarás Náisiúnta Iompair National Transport Authority		Consultant JACOBS ARUP SYSTRA		
Date 21/03/2023	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.5 Habitat Survey Results - Fossitt 2000 Habitat Classification				
Drawing File Name BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0209	Sheet Number 9 of 11	Status A	Rev M01	



Legend :

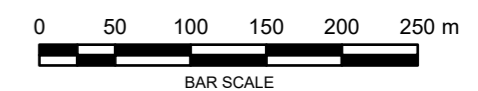
Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme

Fossitt Habitat Types

- BL1
- BL3
- WL1
- WL2
- WS1
- WS3
- BL3
- ED2
- ED3
- FW2
- GA2
- GS2
- WD5
- WL1
- WL2
- WS1
- WS3

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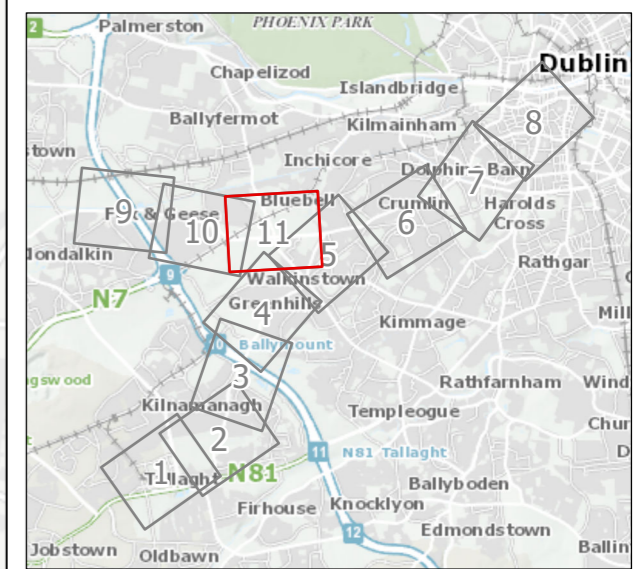
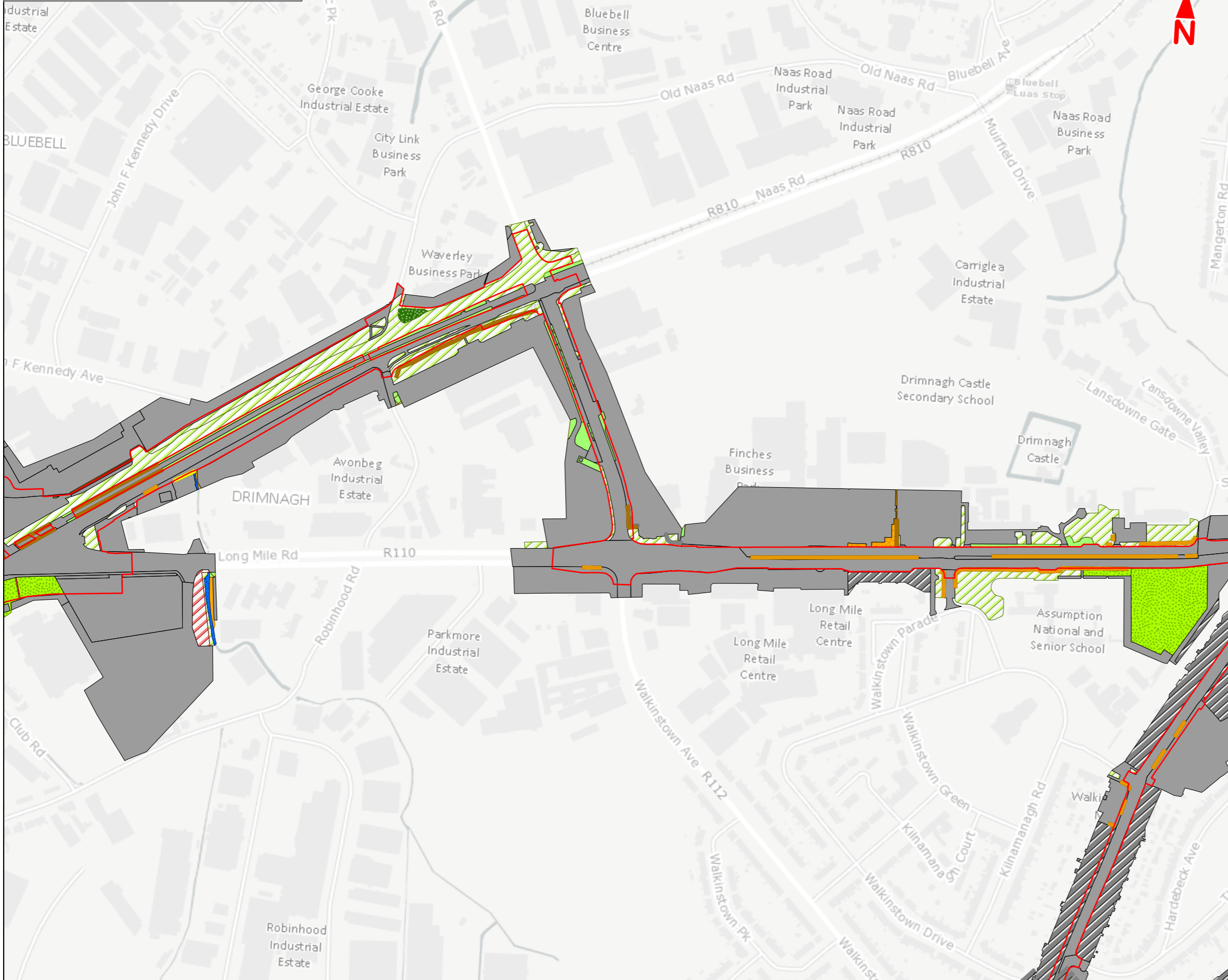
Client: **NTA**
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National Transport Authority

Consultant: **JACOBS ARUP SYSTRA**

Date: 21/03/2023 Scale @ A3: 1:5 000
Drawn: EK Checked: PW Approved: DK

Project Code: BCIDE Originator Code: JAC QMS Code:

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.5 Habitat Survey Results - Fossitt 2000 Habitat Classification			
Drawing File Name: BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0210	Sheet Number: 10 of 11	Status: A	Rev: M01



Legend :
 Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme

Fossitt Habitat Types

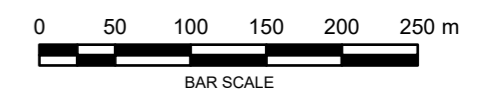
- BL3
- WL1
- WL2
- WS1
- BL3
- ED2
- ED3
- FW2
- GA2
- GS2
- WD5
- WL1
- WL2
- WS1
- WS3

Other Habitat Types

- Res

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National Transport Authority

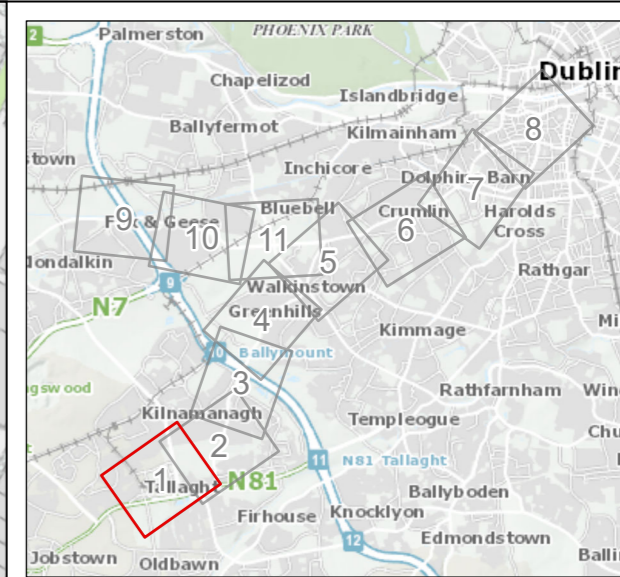
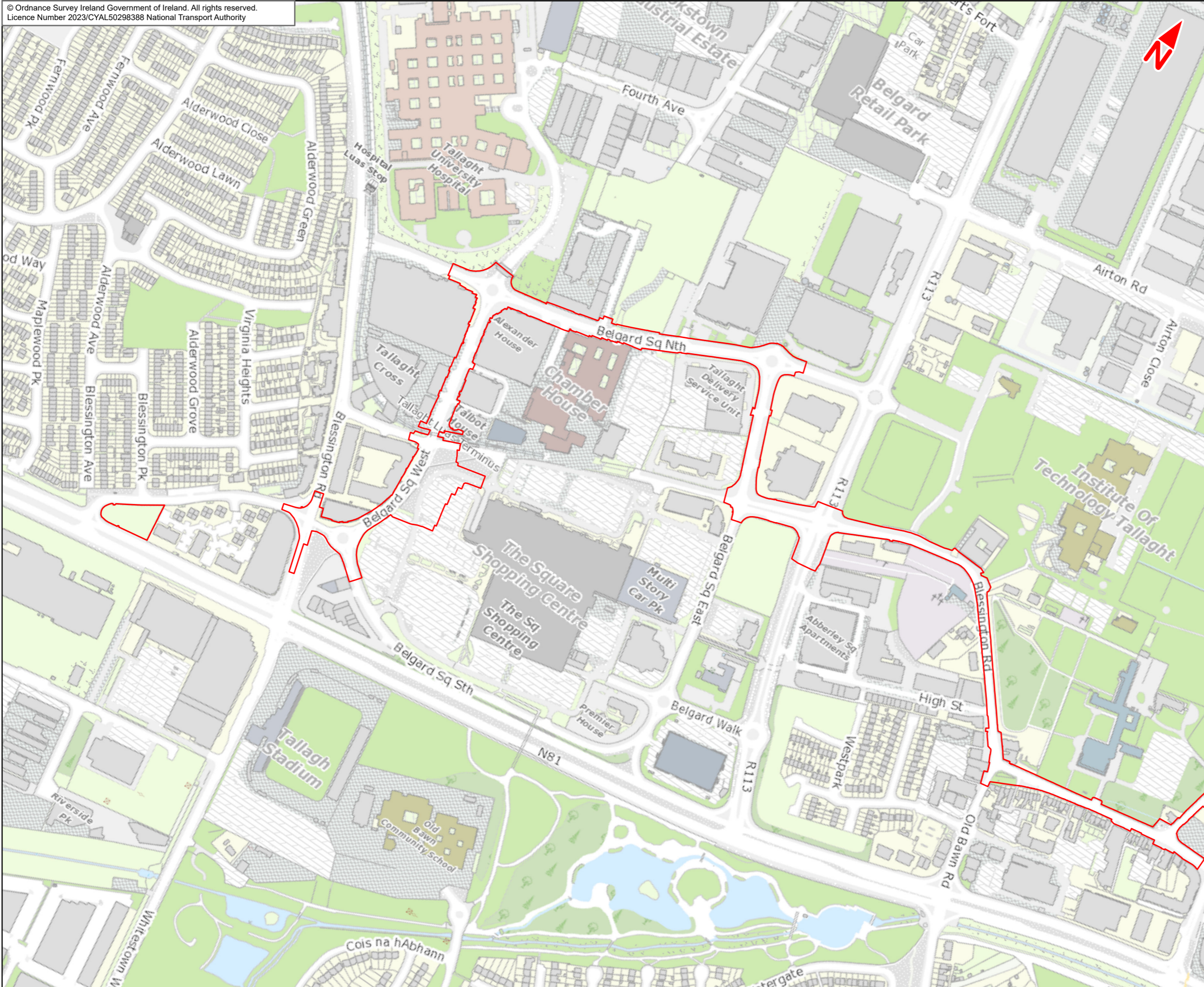
Consultant: **JACOBS ARUP SYSTRA**

Date: 21/03/2023 | Scale @ A3: 1:5 000
 Drawn: EK | Checked: PW | Approved: DK
 Project Code: BCIDE | Originator Code: JAC | QMS Code:

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.5 Habitat Survey Results - Fossitt 2000 Habitat Classification			
Drawing File Name: BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0211	Sheet Number: 11 of 11	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 graphic.

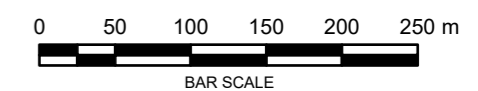
12.6
Non-Native Invasive Plant
Species Survey Results



Legend :
 Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme

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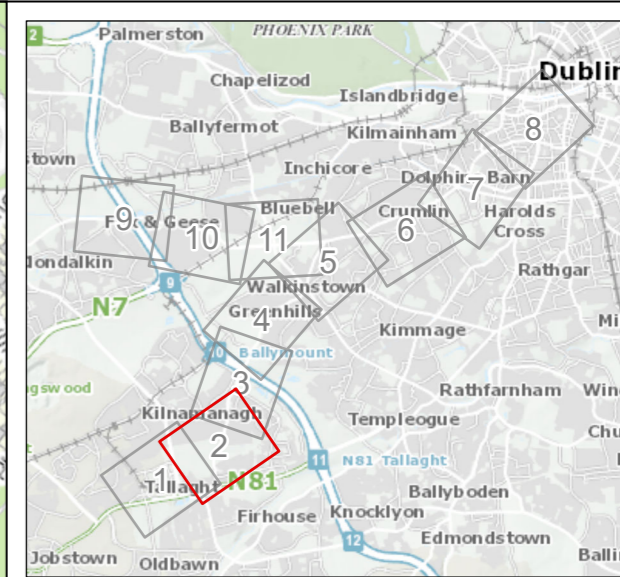
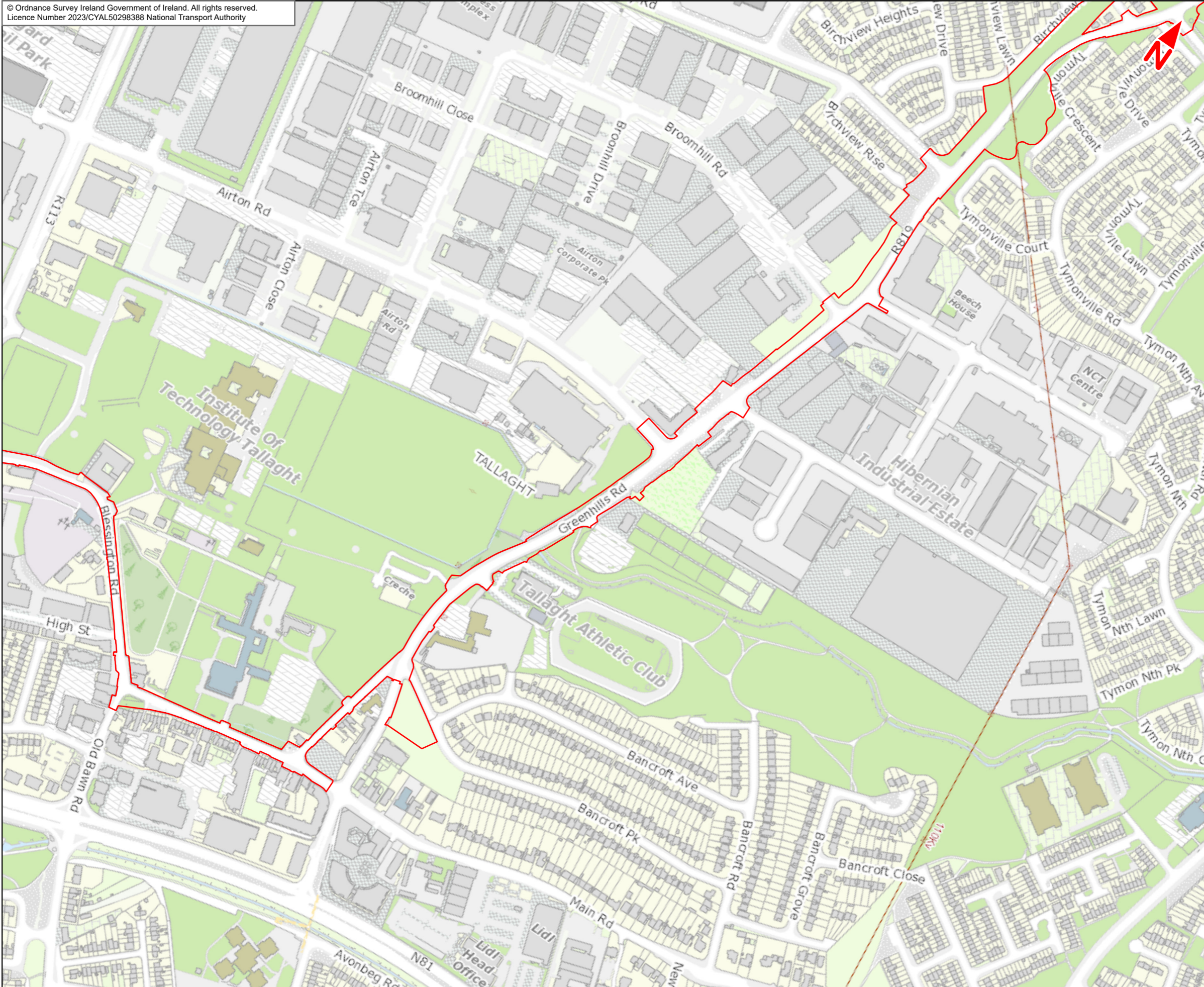
Rev	Date	Drn	Chk'd	App'd	Description
M01	Mar 2023	EK	PW	DK	ISSUE FOR PHASE 4 : PLANNING

Client
NTA
 Údarás Náisiúnta Iompair
 National Transport Authority

Consultant
JACOBS
ARUP SYSTRA

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.6 Non-Native Invasive Plant Species Survey Results			
Drawing File Name BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0701	Sheet Number 1 of 11	Status A	Rev M01

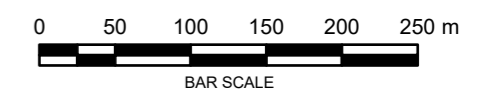
Date 21/03/2023	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		



Legend :
 Tallaght / Clondalkin 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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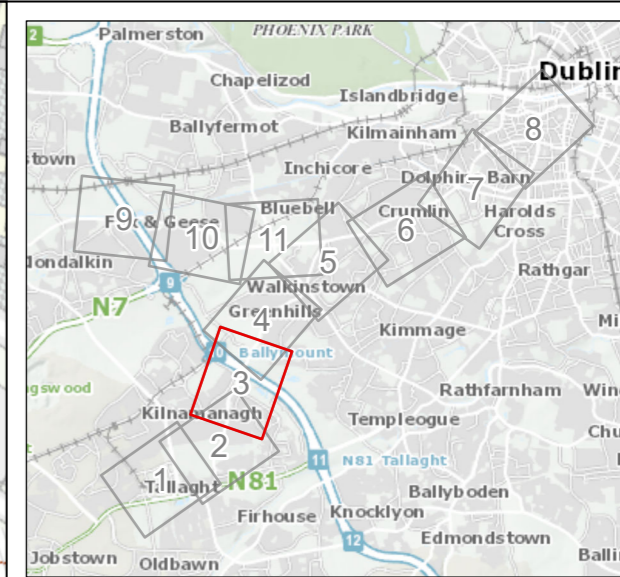
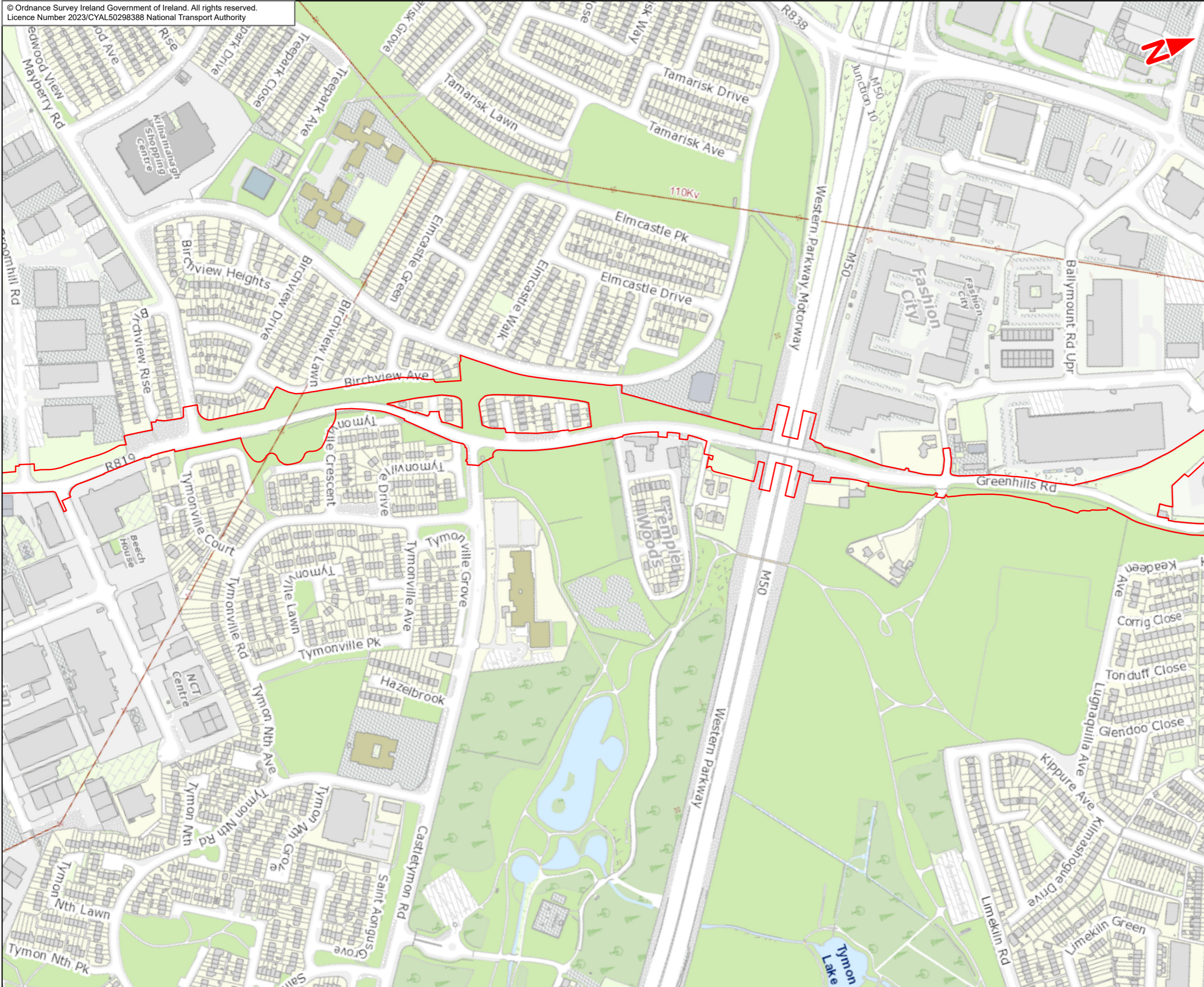
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Date 21/03/2023	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

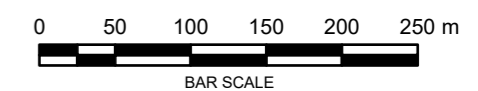
Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.6 Non-Native Invasive Plant Species Survey Results				
Drawing File Name BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0702	Sheet Number 2 of 11	Status A	Rev M01	



Legend :
 Tallaght / Clondalkin 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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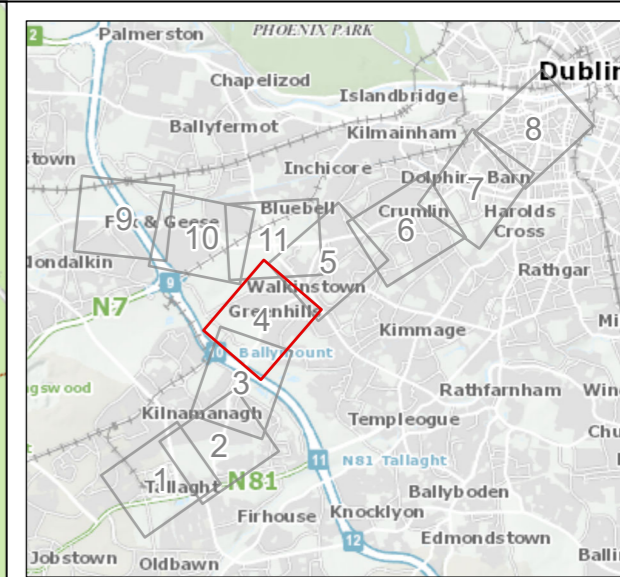
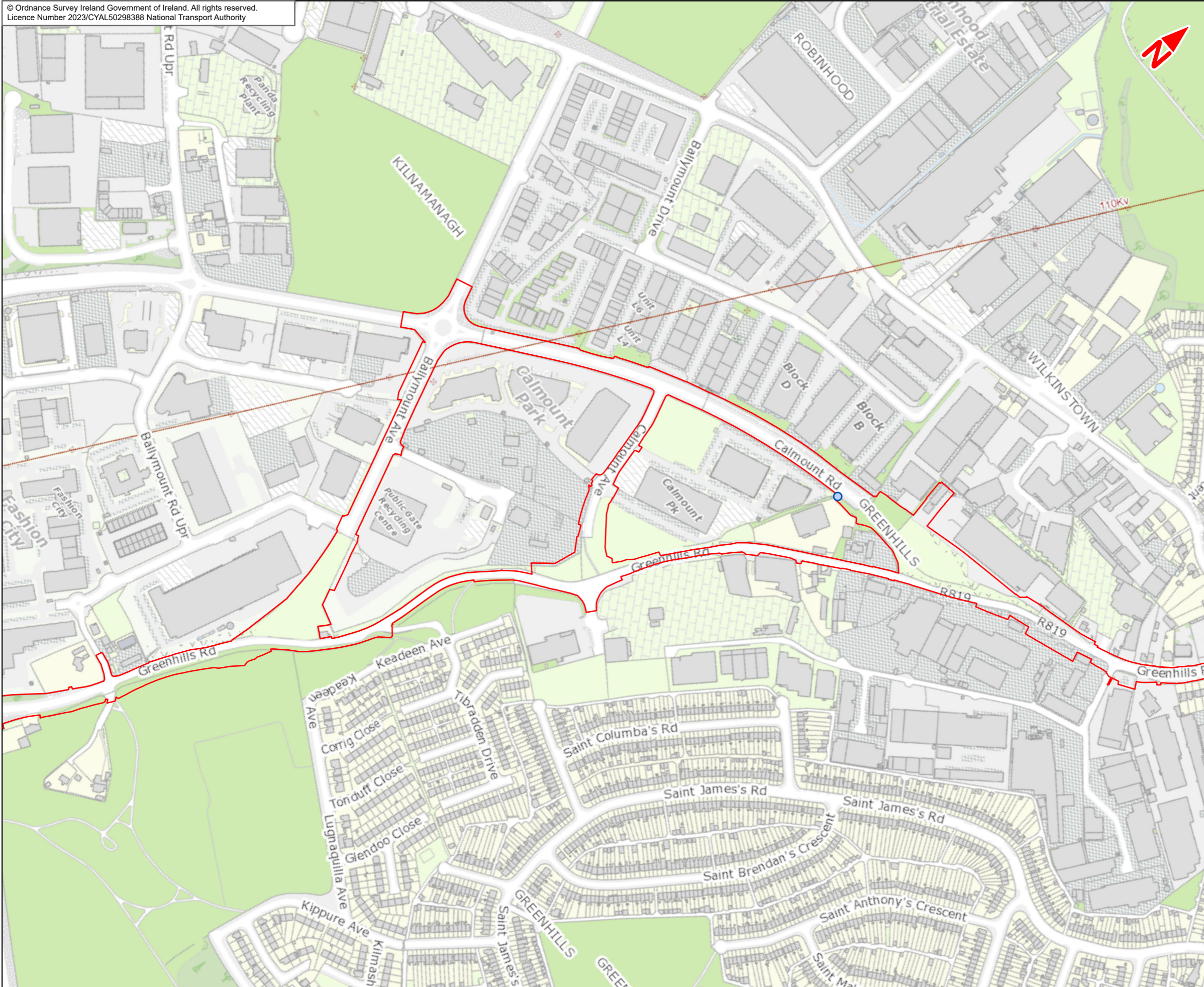
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Client NTA Udarás Náisiúnta Iompair National Transport Authority		Consultant JACOBS ARUP SYSTRA		
Date 21/03/2023	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.6 Non-Native Invasive Plant Species Survey Results				
Drawing File Name BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0703	Sheet Number 3 of 11	Status A	Rev M01	



Legend :

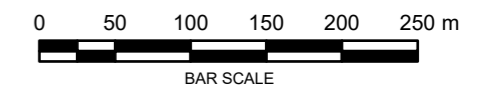
Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme

Species Name

● *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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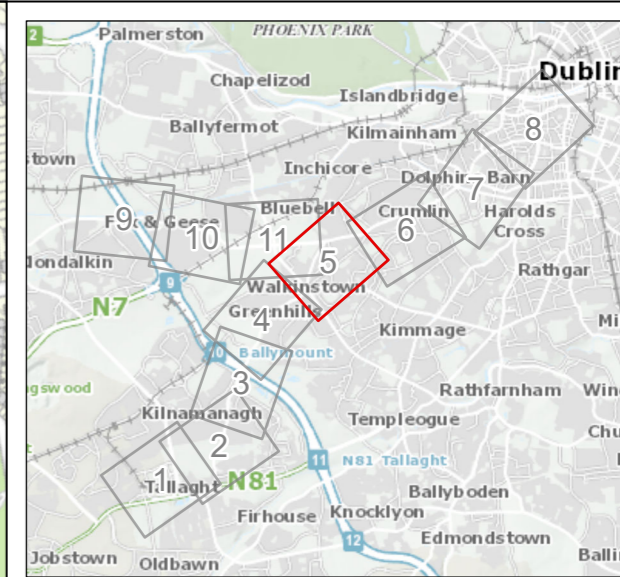
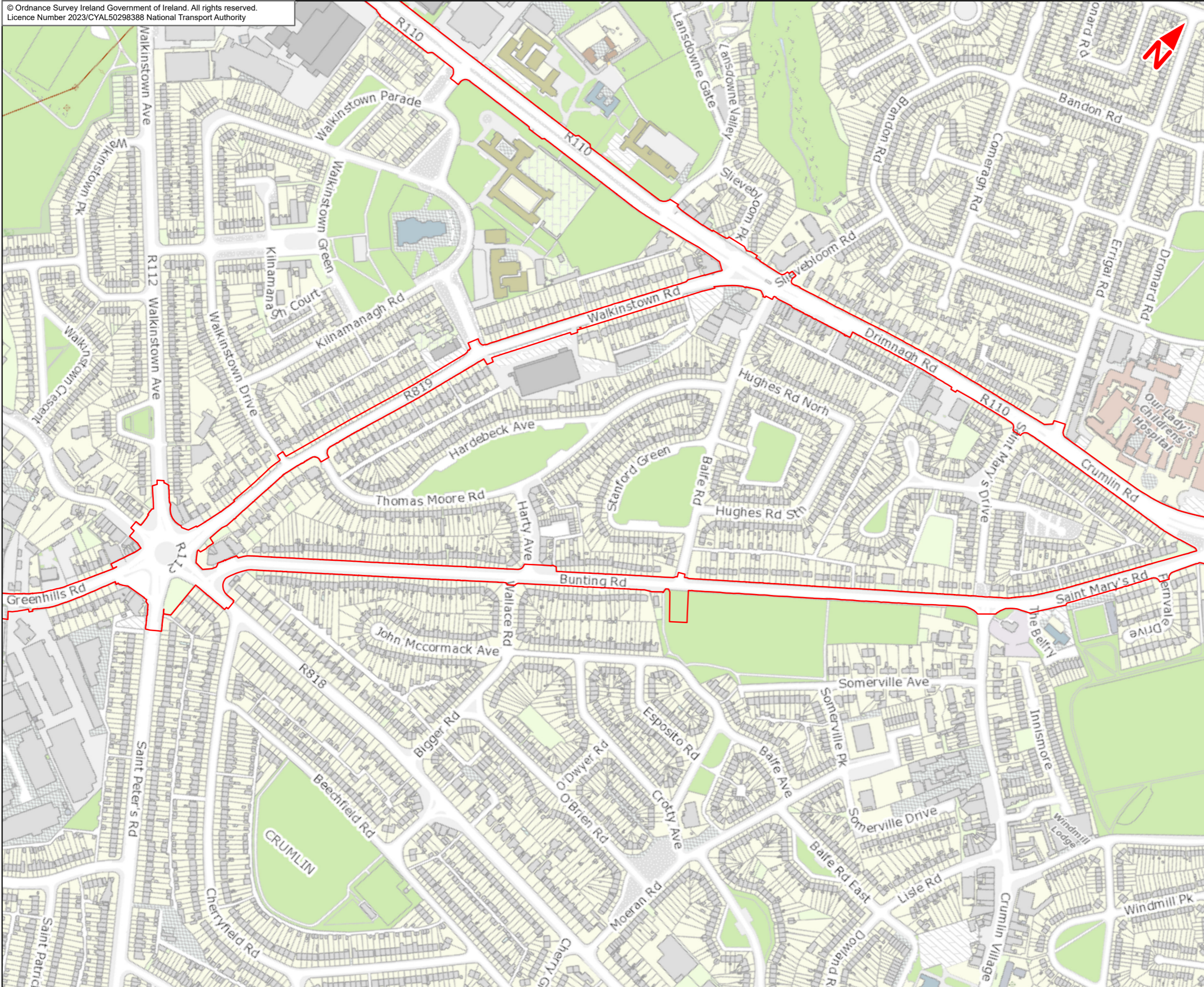
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Client NTA Udarás Náisiúnta Iompair National Transport Authority		Consultant JACOBS ARUP SYSTRA		
Date 21/03/2023	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

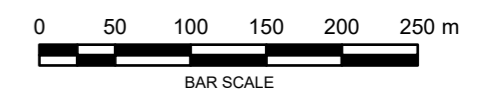
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Drawing Title Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.6 Non-Native Invasive Plant Species Survey Results				
Drawing File Name BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0704	Sheet Number 4 of 11	Status A	Rev M01	



Legend :
 Tallaght / Clondalkin 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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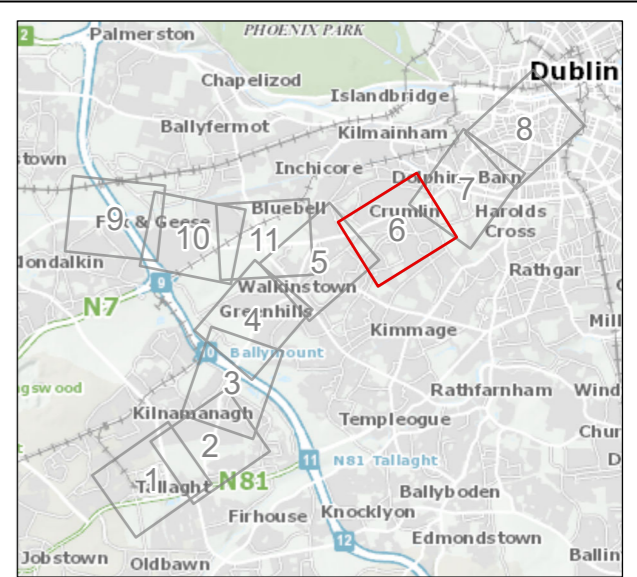
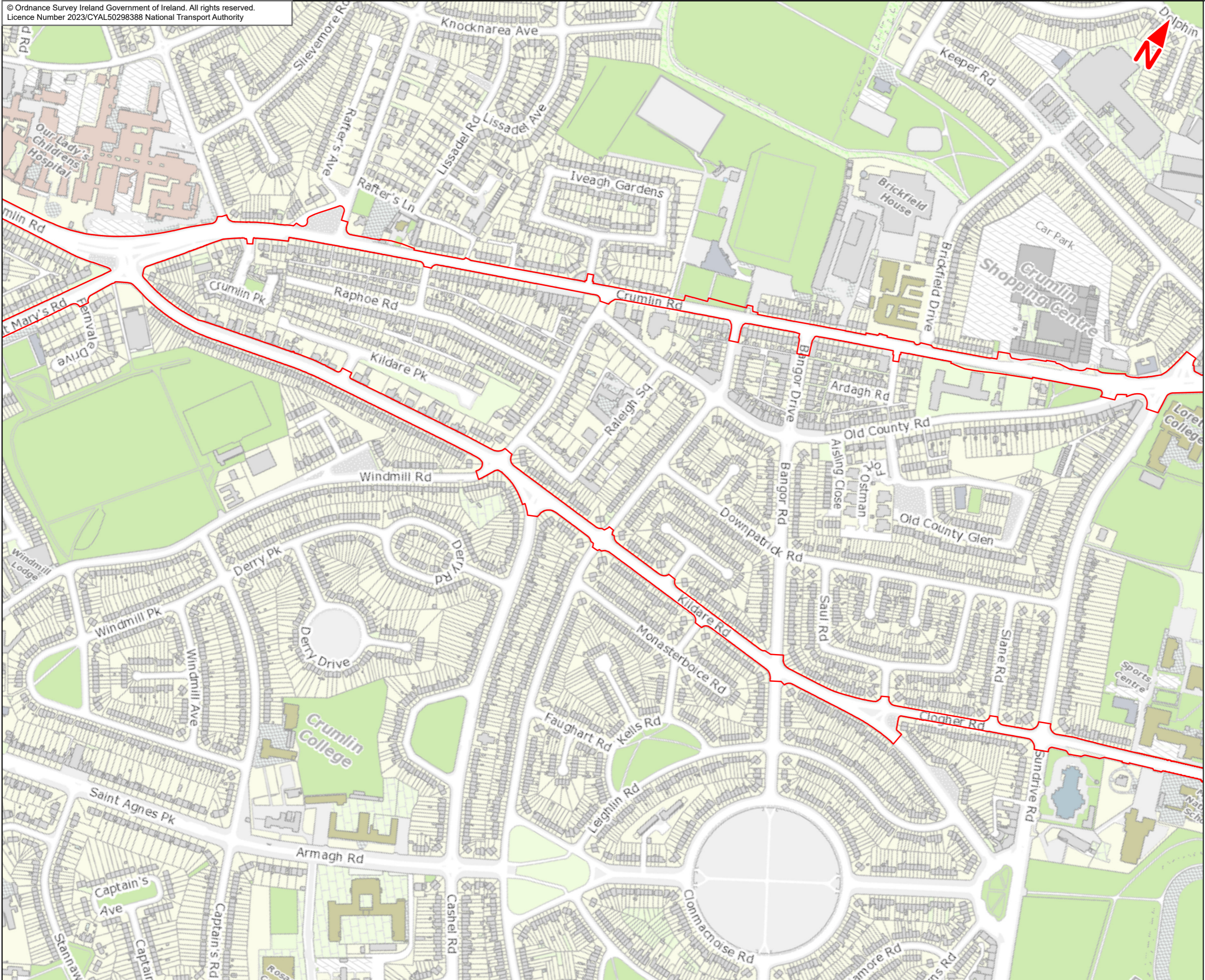
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Client: **NTA**
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National Transport Authority

Consultant: **JACOBS ARUP SYSTRA**

Date: 21/03/2023 Scale @ A3: 1:5 000
 Drawn: EK Checked: PW Approved: DK
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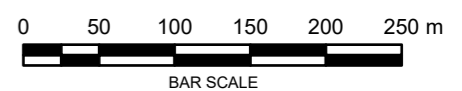
Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.6 Non-Native Invasive Plant Species Survey Results			
Drawing File Name: BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0705	Sheet Number: 5 of 11	Status: A	Rev: M01



Legend :
 Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme

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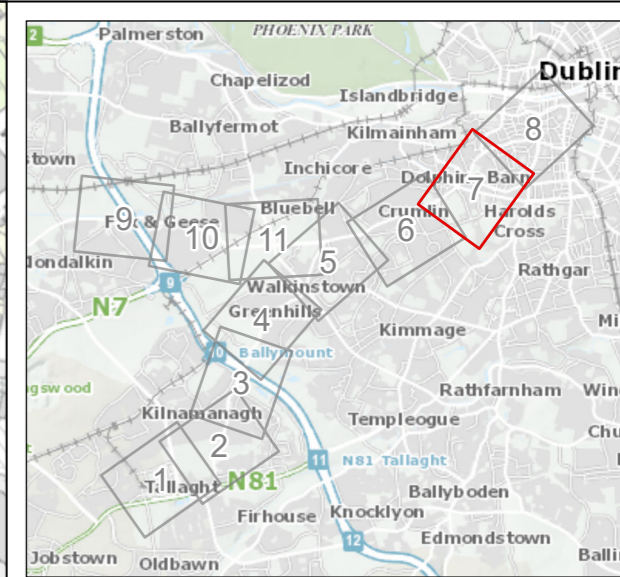
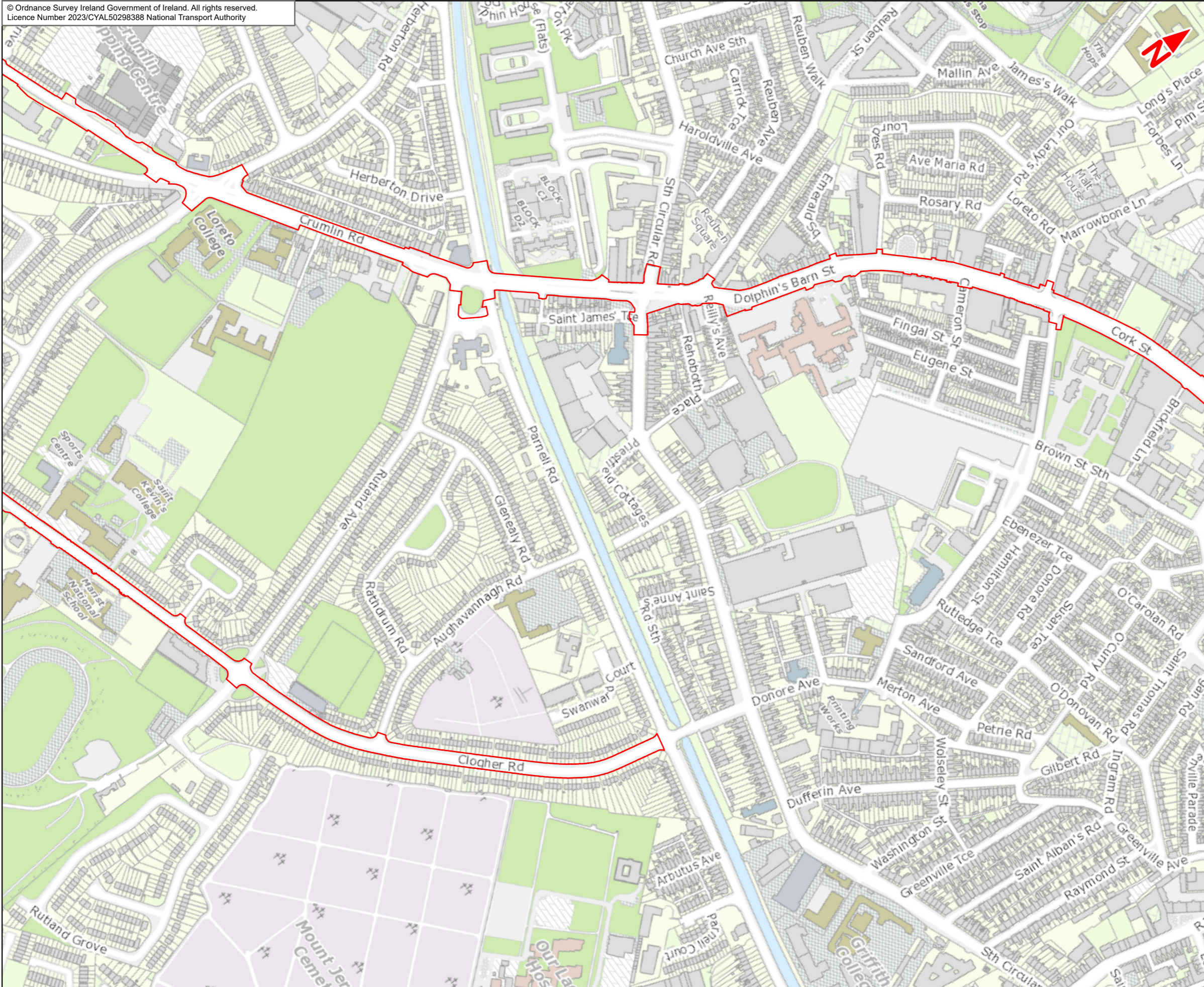
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Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.6 Non-Native Invasive Plant Species Survey Results			
Drawing File Name BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0706	Sheet Number 6 of 11	Status A	Rev M01

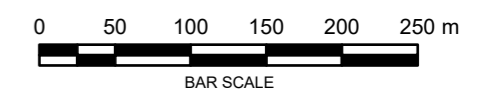
Date 21/03/2023	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		



Legend :
 Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme

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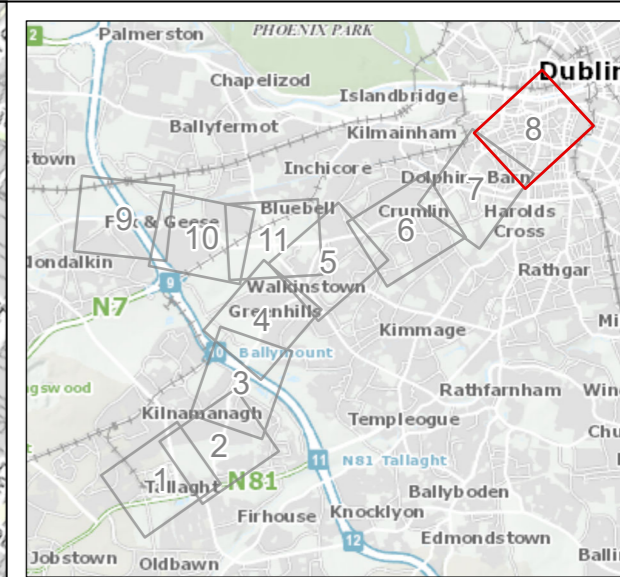
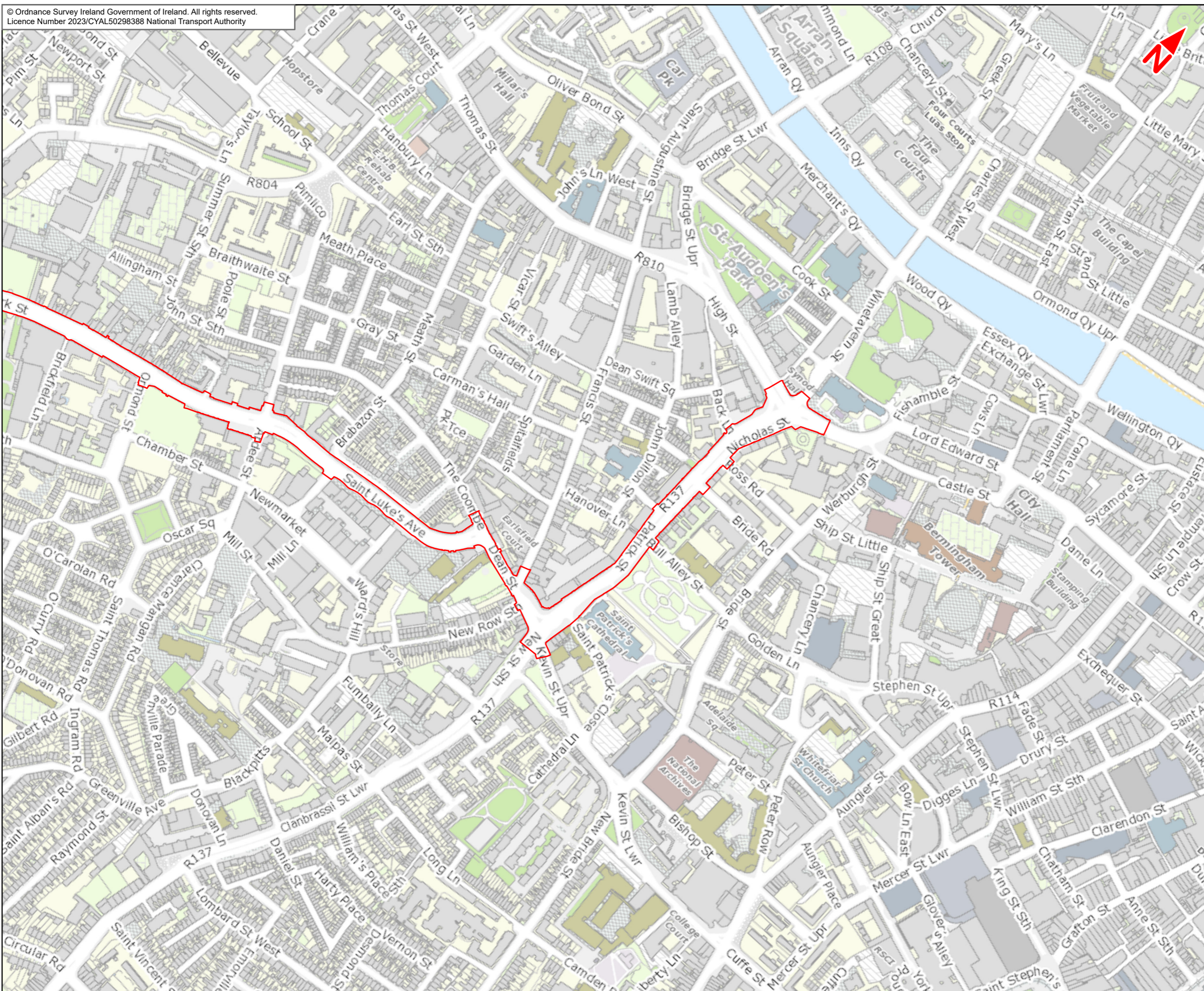
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Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.6 Non-Native Invasive Plant Species Survey Results			
Drawing File Name BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0707	Sheet Number 7 of 11	Status A	Rev M01

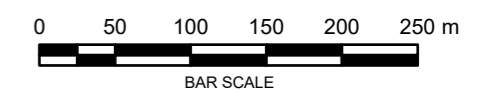
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Project Code BCIDE	Originator Code JAC	QMS Code		



Legend :
 Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme

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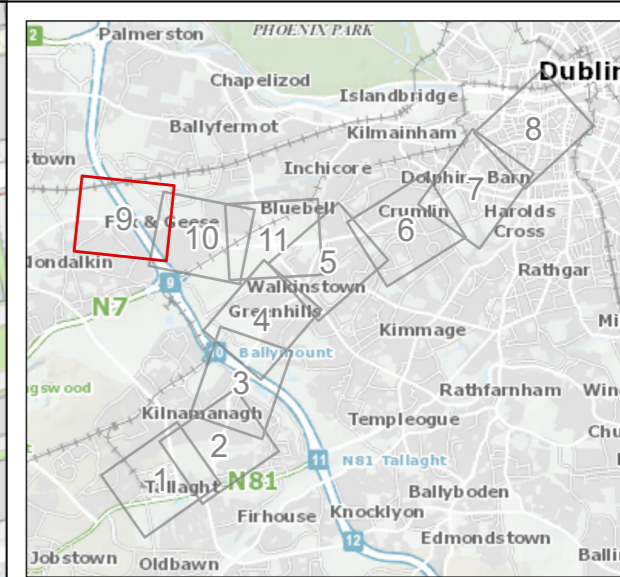
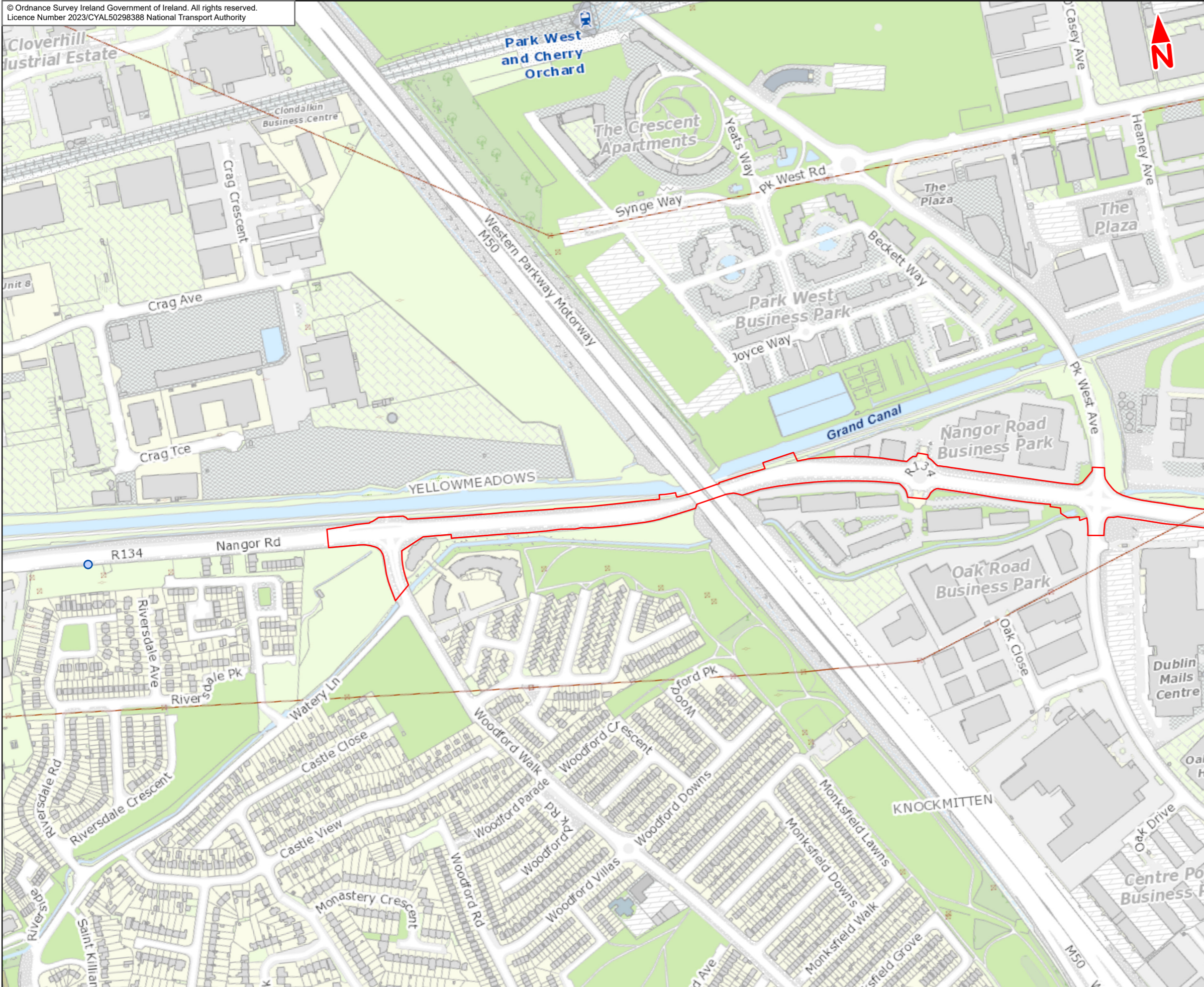
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Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.6 Non-Native Invasive Plant Species Survey Results			
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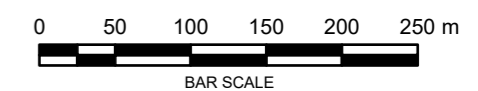
Date 21/03/2023	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		



- Legend :**
- Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme
 - *Reynoutria japonica*

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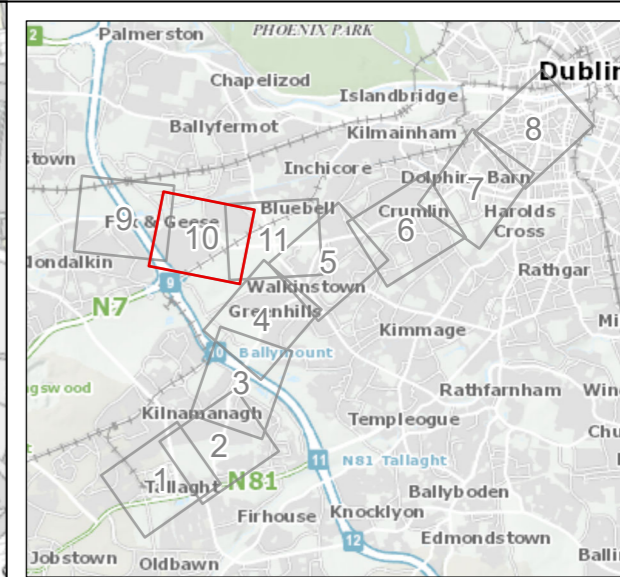
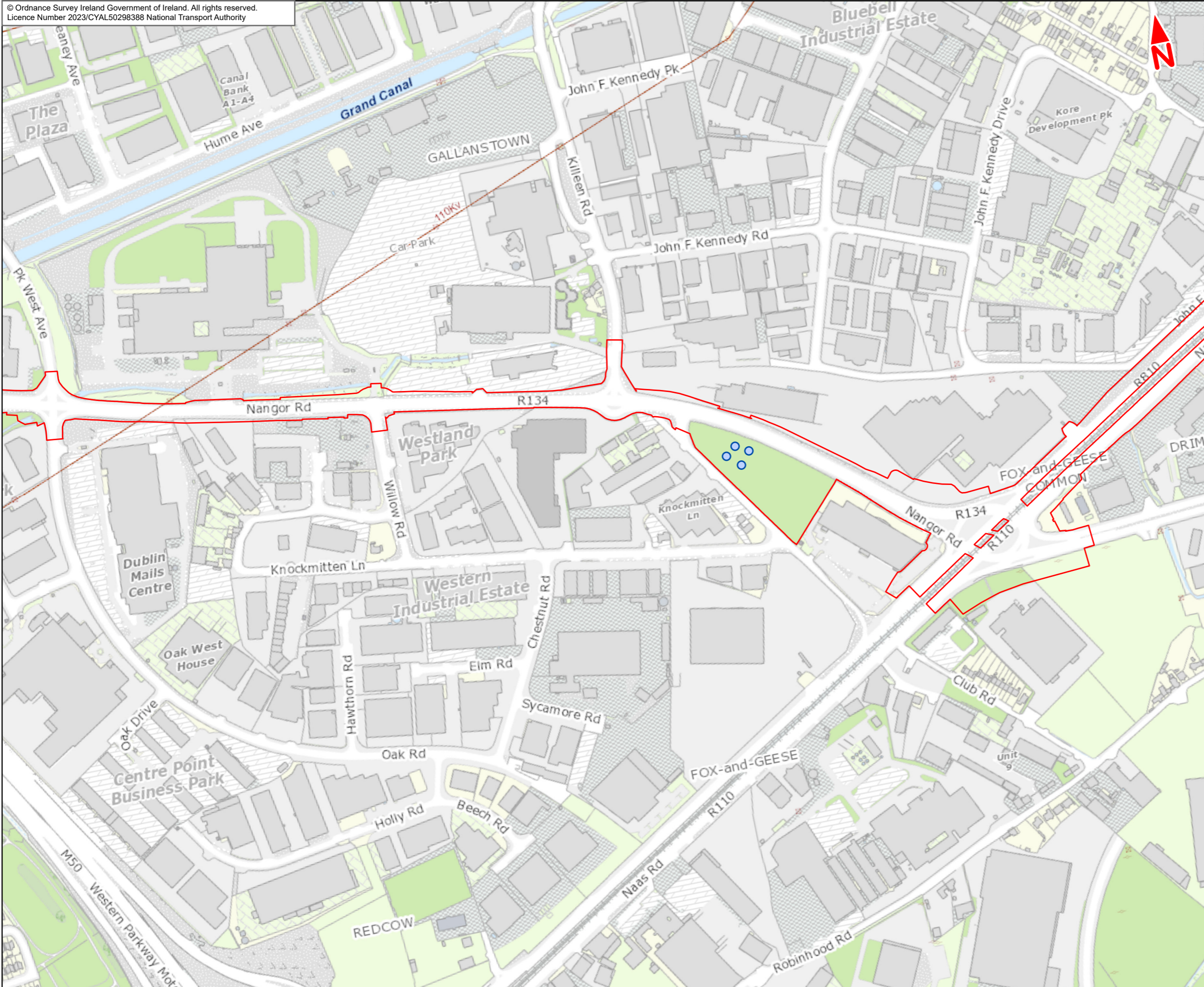
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Client NTA Udarás Náisiúnta Iompair National Transport Authority		Consultant JACOBS ARUP SYSTRA		
Date 21/03/2023	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.6 Non-Native Invasive Plant Species Survey Results				
Drawing File Name BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0709	Sheet Number 9 of 11	Status A	Rev M01	



Legend :

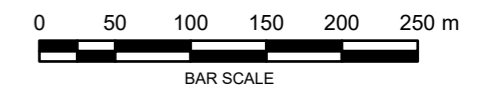
- Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme

Species Name

- *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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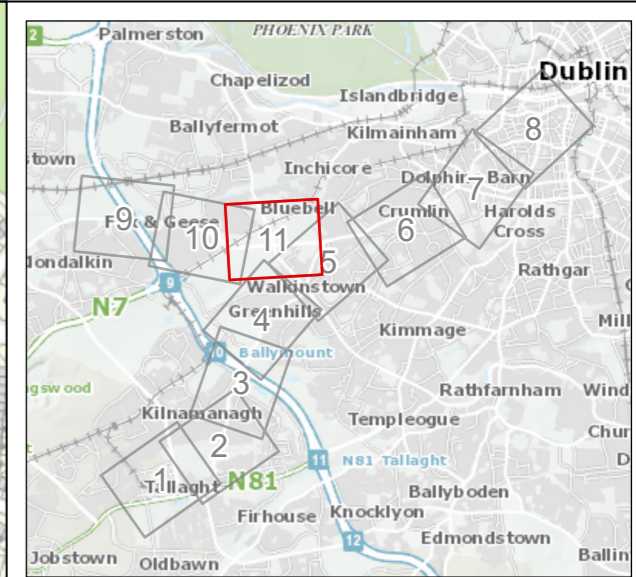
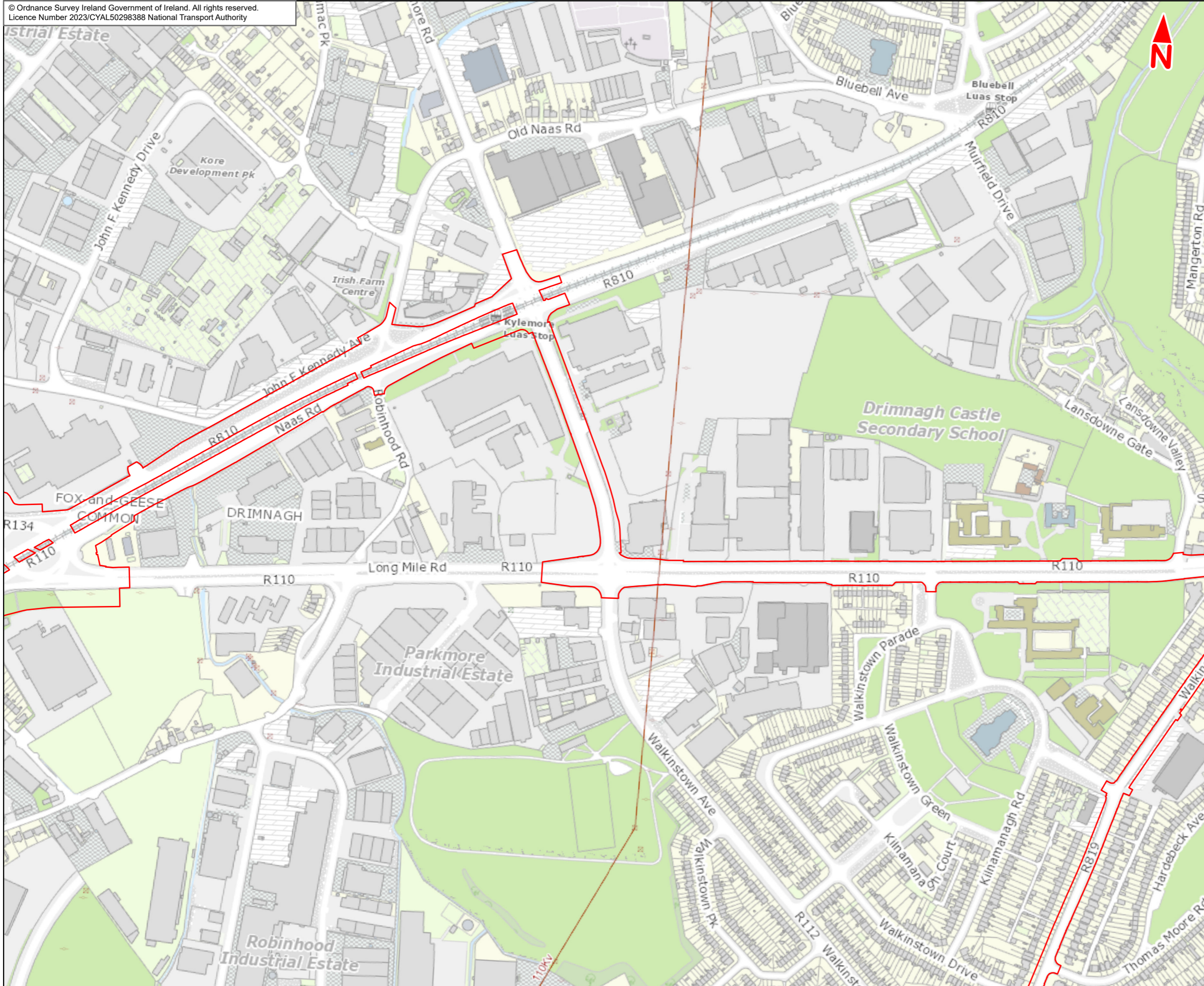
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Date 21/03/2023	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

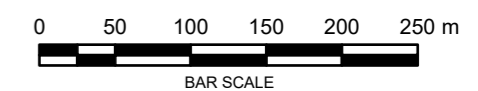
Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.6 Non-Native Invasive Plant Species Survey Results				
Drawing File Name BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0710	Sheet Number 10 of 11	Status A	Rev M01	



Legend :
 Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme

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Udarás Náisiúnta Iompair
National Transport Authority

Consultant: **JACOBS ARUP SYSTRA**

Date: 21/03/2023
Scale @ A3: 1:5 000

Project Code: BCIDE
Originator Code: JAC

Drawn: EK
Checked: PW
Approved: DK

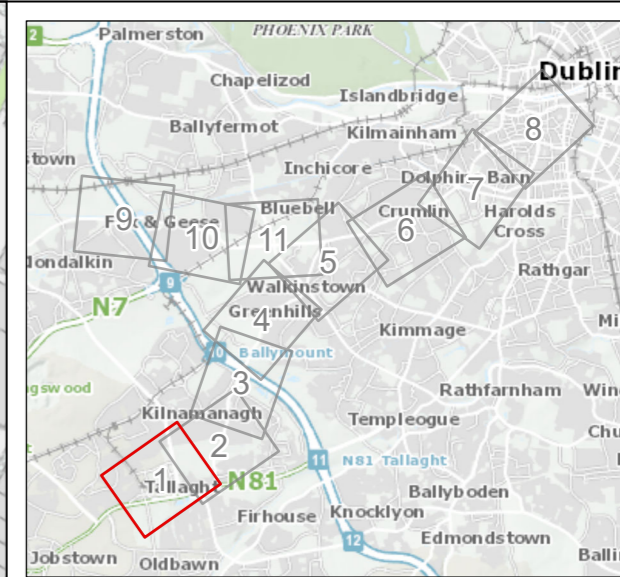
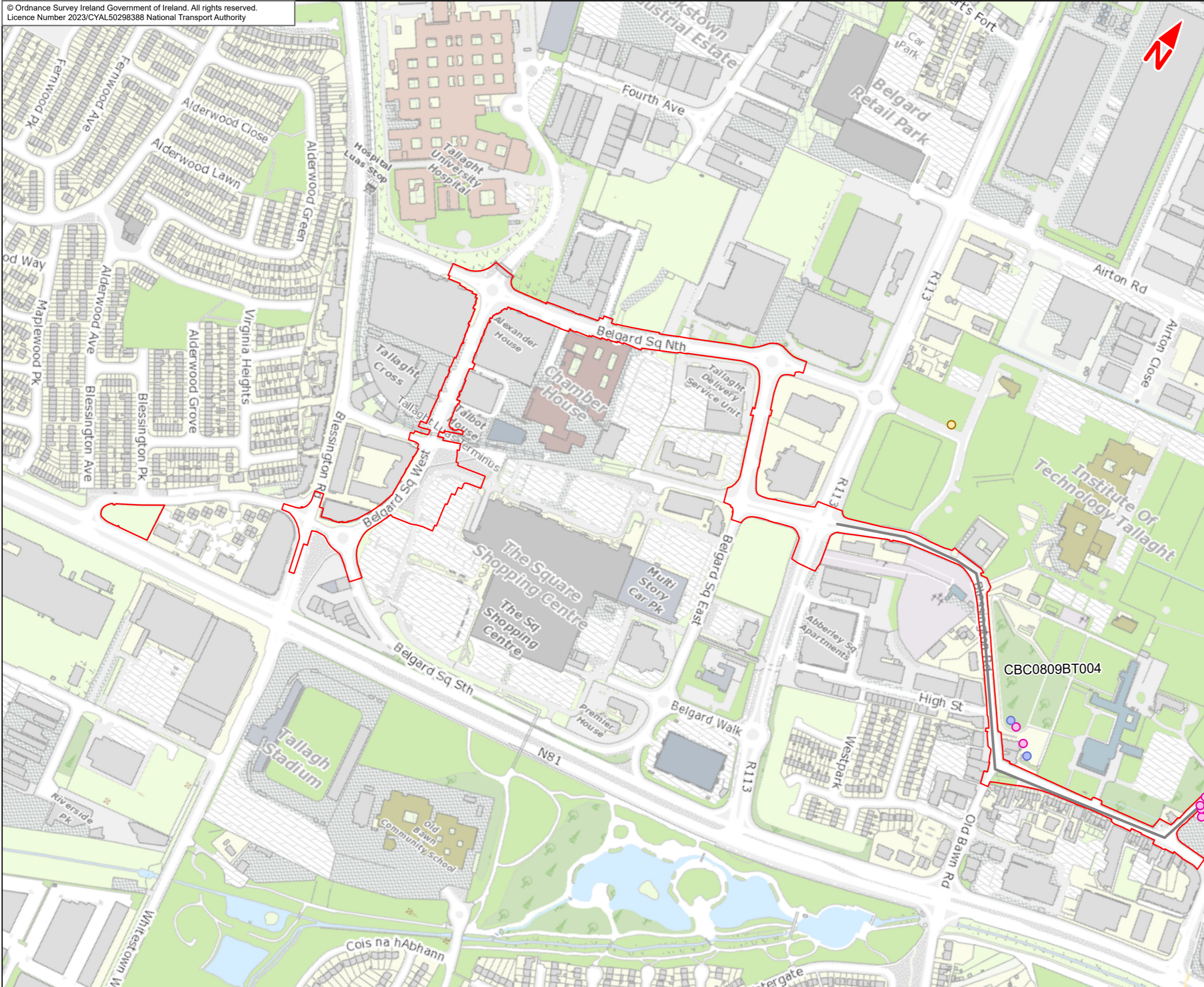
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Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.6 Non-Native Invasive Plant Species Survey Results			
Drawing File Name: BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0711	Sheet Number: 11 of 11	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.

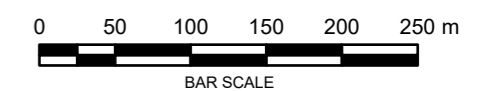
12.7.1

Bat Survey Results: Bat Activity Survey Results



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

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Consultant: **JACOBS ARUP SYSTRA**

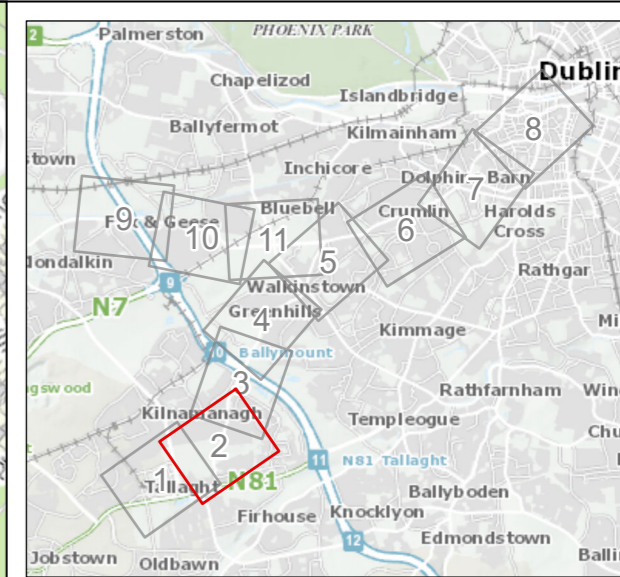
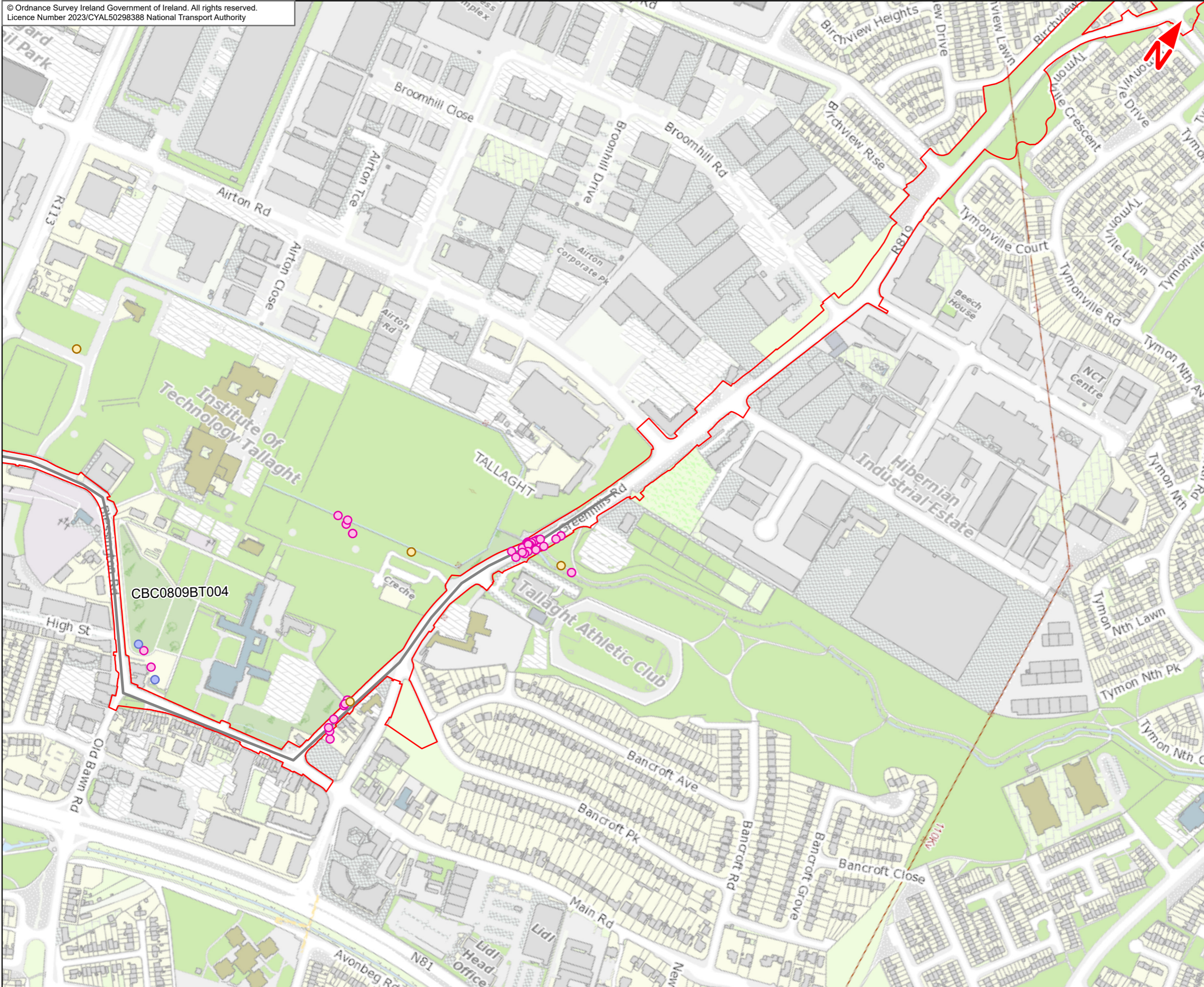
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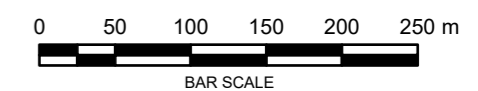
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Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.7.1 Bat Survey Results: Bat Activity Survey Results			
Drawing File Name: BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0401	Sheet Number: 1 of 11	Status: A	Rev: M01



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

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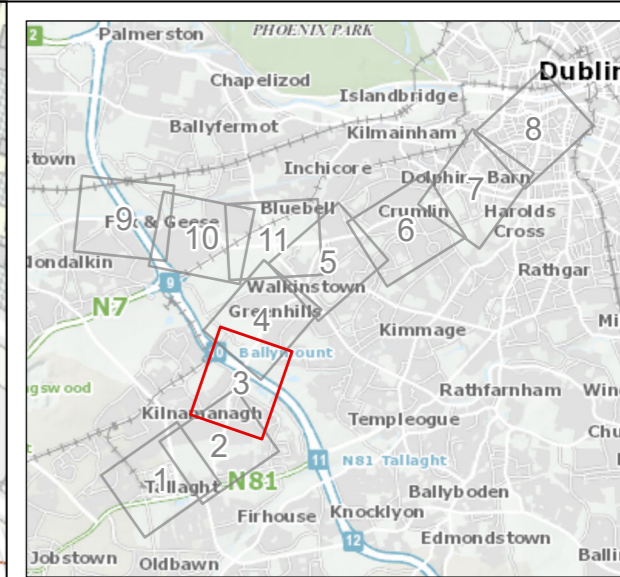
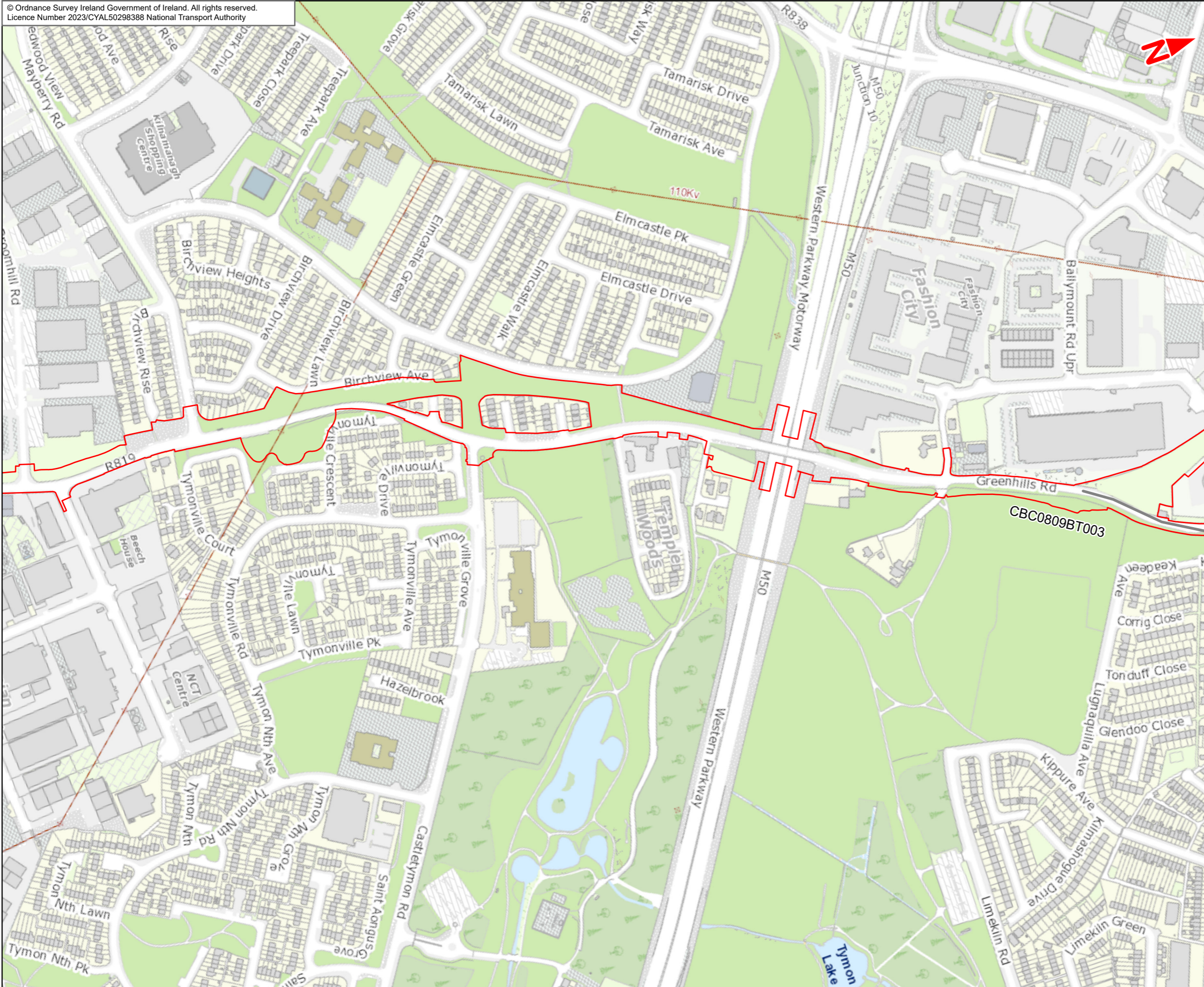
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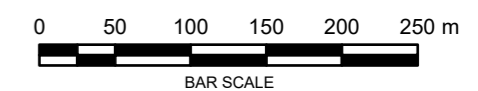
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				CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title				Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme			
				Figure 12.7.1			
				Bat Survey Results: Bat Activity Survey Results			
Drawing File Name	Sheet Number	Status	Rev				
BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0402	2 of 11	A	M01				

Date	Scale @ A3	Drawn	Checked	Approved
21/03/2023	1:5 000	EK	PW	DK
Project Code	Originator Code	QMS Code		
BCIDE	JAC			



- Legend :**
- Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme
 - Bat Survey Transects
- Bat Species**
- *Pipistrellus pygmaeus*

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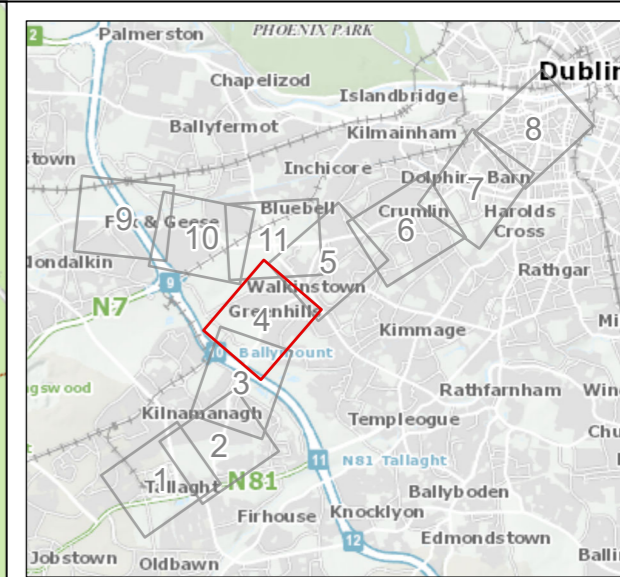
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Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.7.1 Bat Survey Results: Bat Activity Survey Results				
Drawing File Name BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0403	Sheet Number 3 of 11	Status A	Rev M01	



Legend :

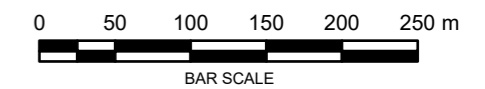
Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme

Bat Survey Transects

Bat Species

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

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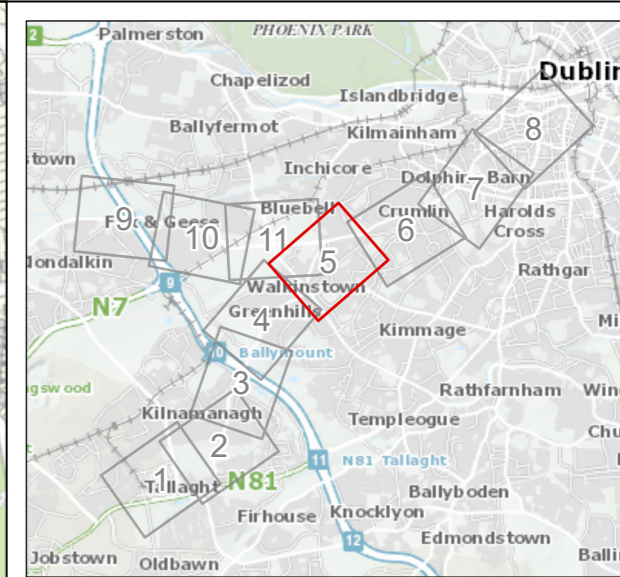
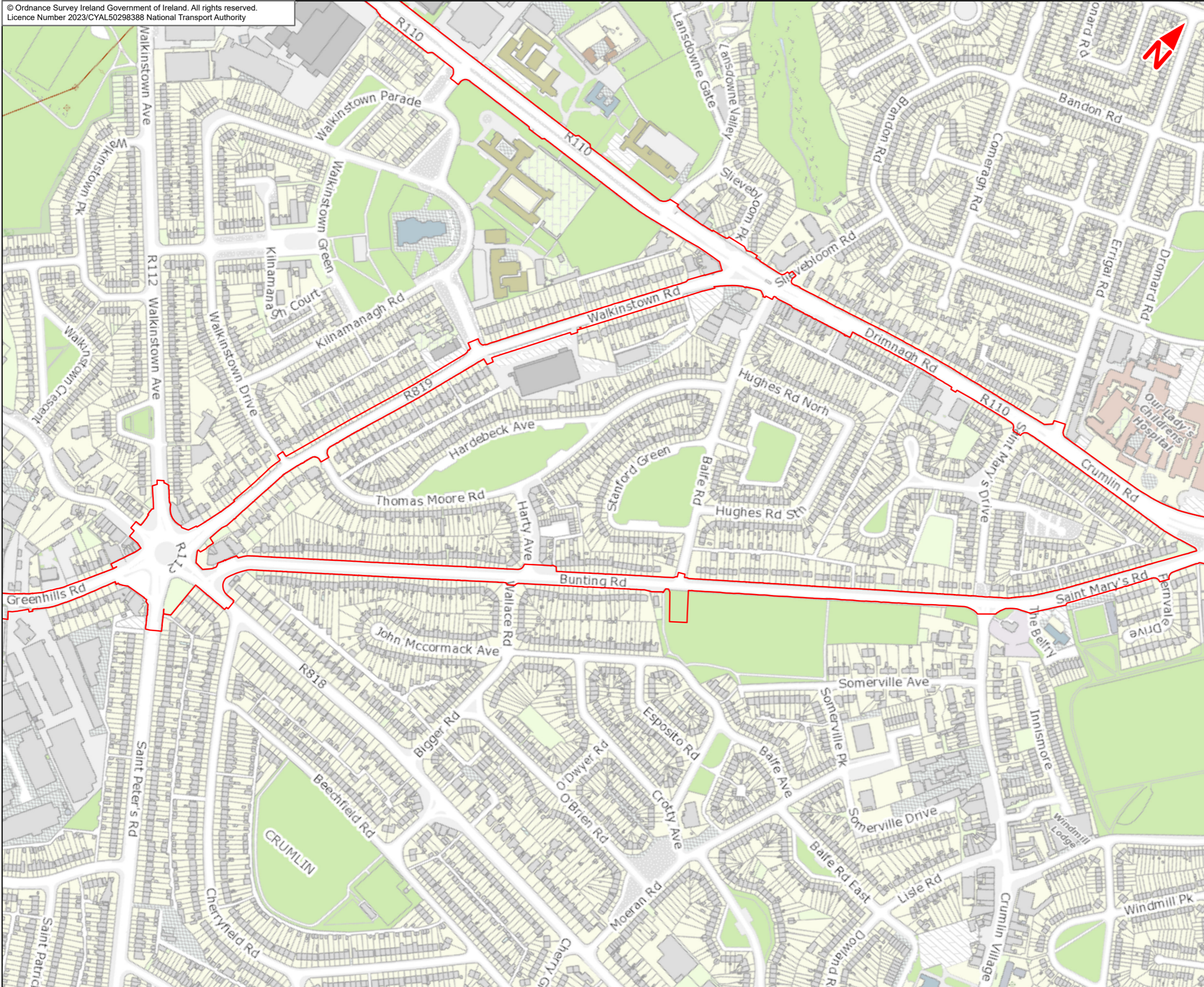
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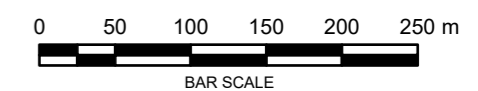
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Date 21/03/2023	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title Tallaght / Clondalkin 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-0809_XX_00-DR-GG-0404	Sheet Number 4 of 11	Status A	Rev M01	



Legend :
 Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme

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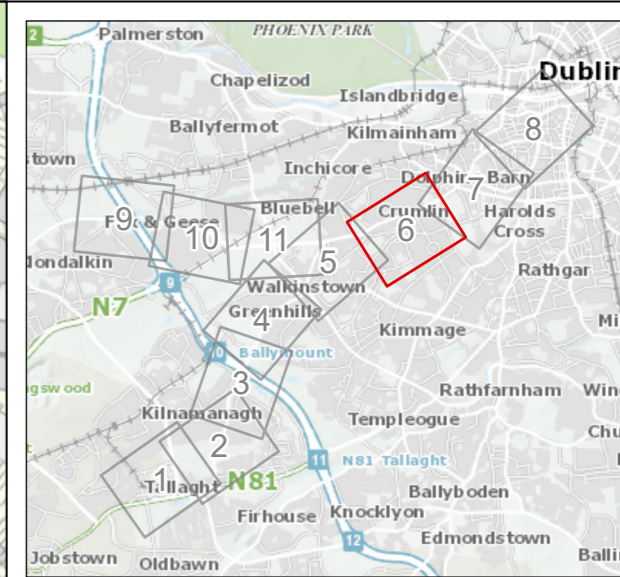
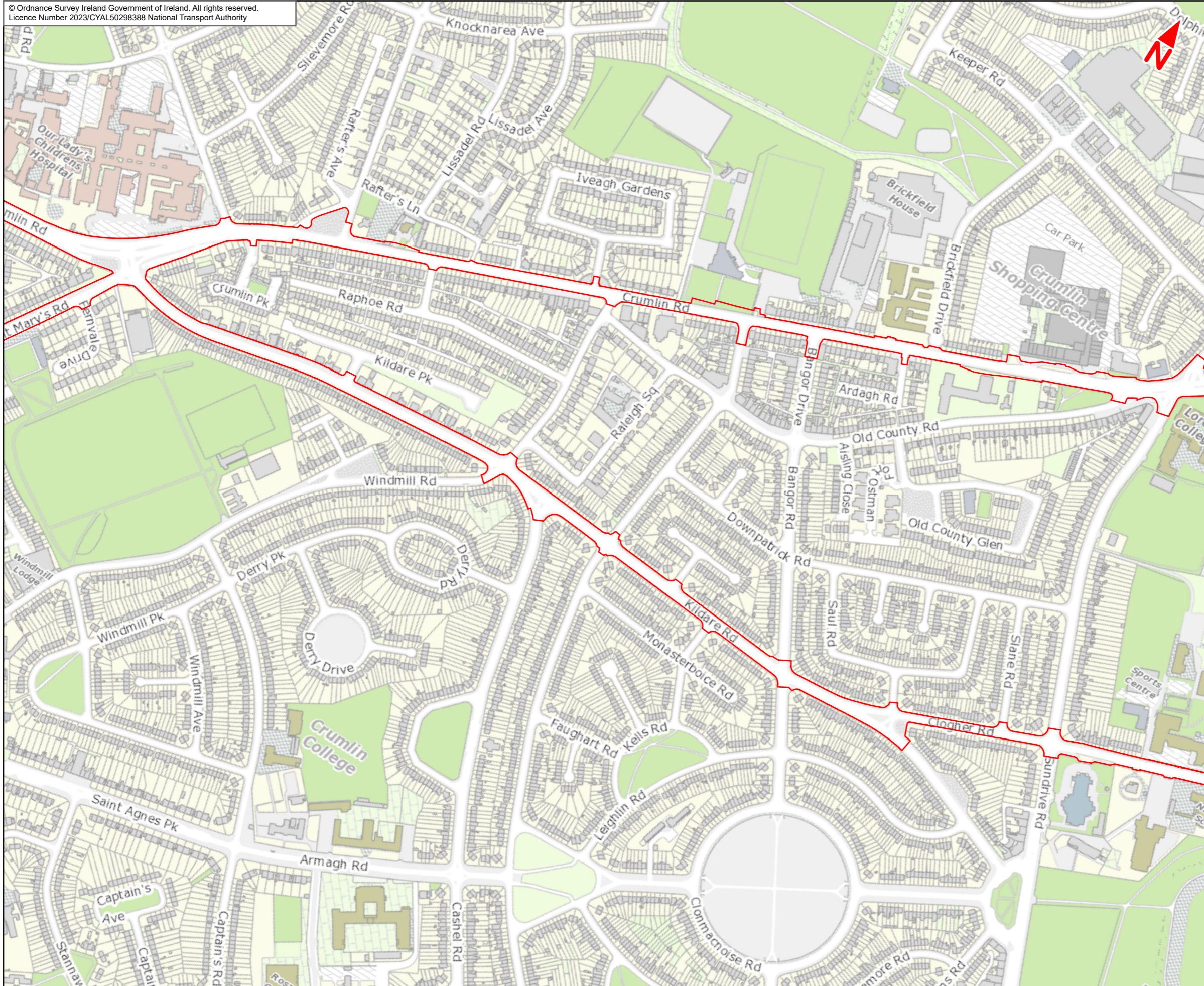
Rev	Date	Drn	Chk'd	App'd	Description
M01	Mar 2023	EK	PW	DK	ISSUE FOR PHASE 4 : PLANNING

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

Consultant: **JACOBS ARUP SYSTRA**

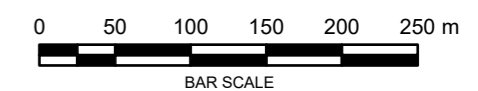
Date: 21/03/2023 | Scale @ A3: 1:5 000
 Drawn: EK | Checked: PW | Approved: DK
 Project Code: BCIDE | Originator Code: JAC | QMS Code:

Programme Title	BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS		
Drawing Title	Tallaght / Clondalkin 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-0809_XX 00-DR-GG-0405	Sheet Number	5 of 11
Status	A	Rev	M01



Legend :
 Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme

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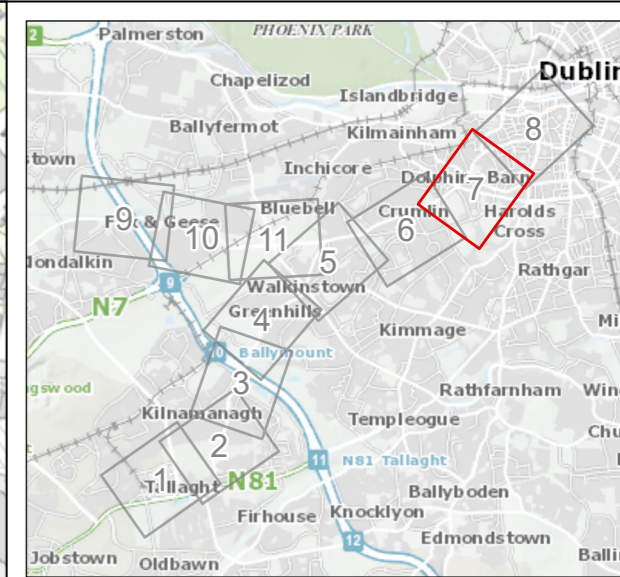
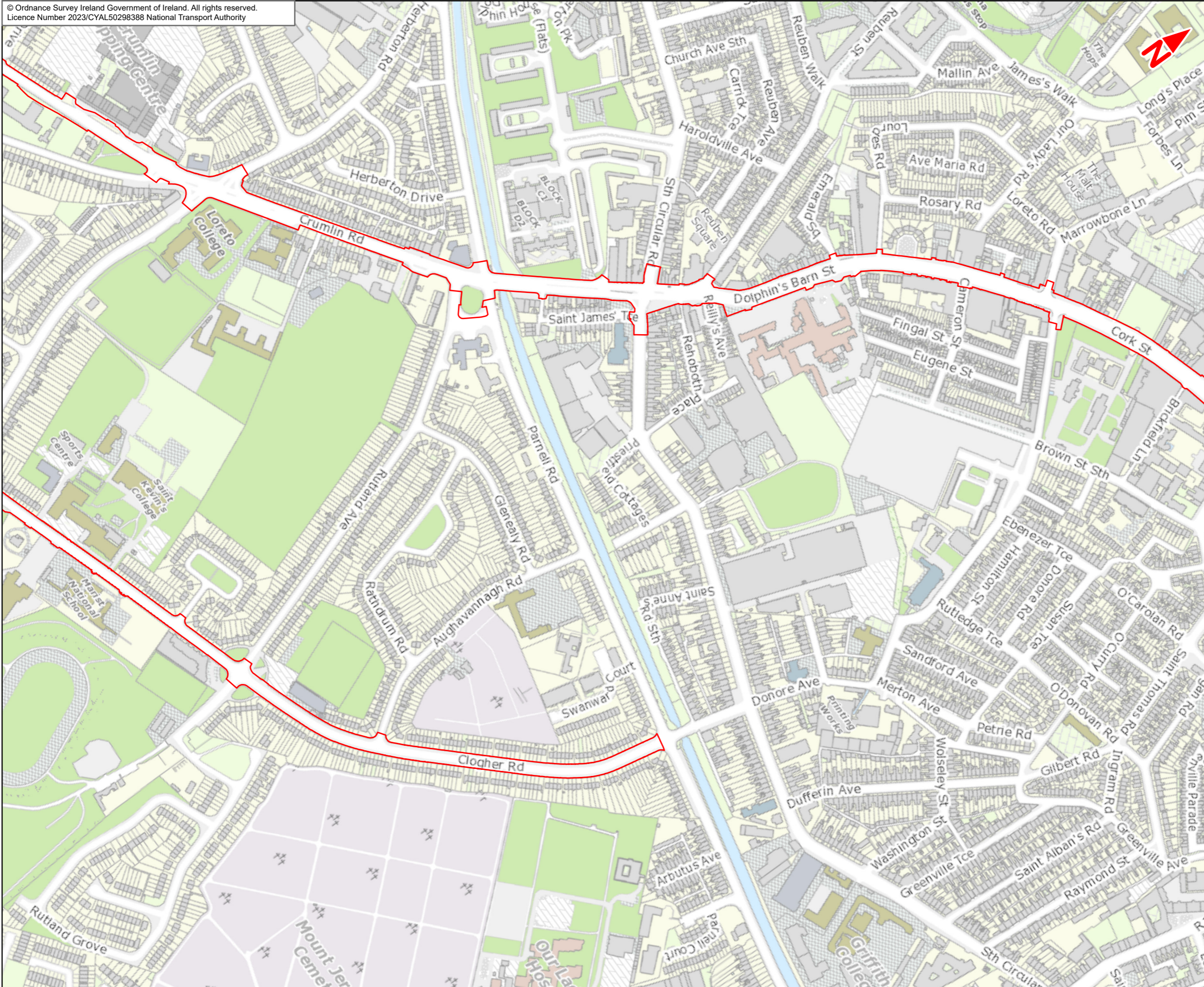
Rev	Date	Drn	Chk'd	App'd	Description
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 National Transport Authority

Consultant
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ARUP SYSTRA

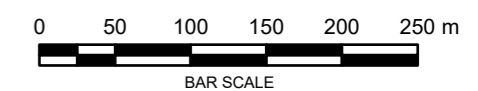
Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.7.1 Bat Survey Results: Bat Activity Survey Results			
Drawing File Name BCIDE-JAC-ENV BD-0809_XX 00-DR-GG-0406	Sheet Number 6 of 11	Status A	Rev M01

Date 21/03/2023	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		



Legend :
 Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme

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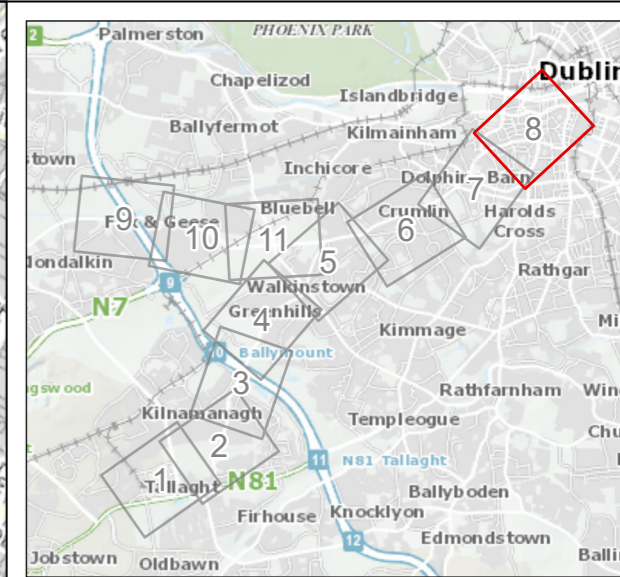
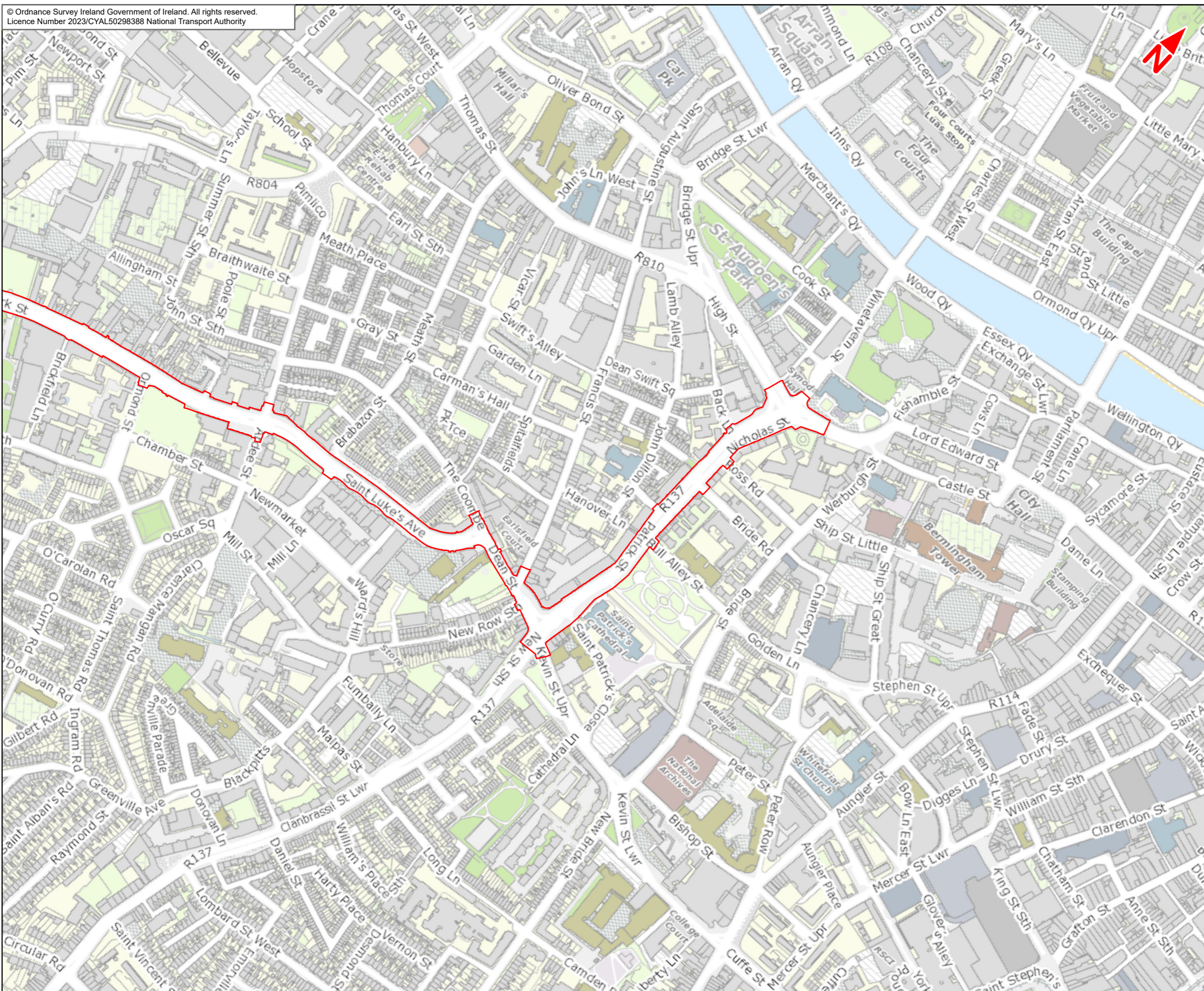
Rev	Date	Drn	Chk'd	App'd	Description
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 National Transport Authority

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ARUP SYSTRA

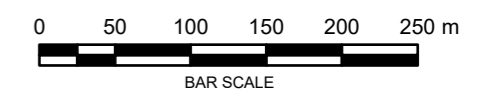
Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.7.1 Bat Survey Results: Bat Activity Survey Results				
Drawing File Name BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0407	Sheet Number 7 of 11	Status A	Rev M01	

Date 21/03/2023	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		



Legend :
 Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme

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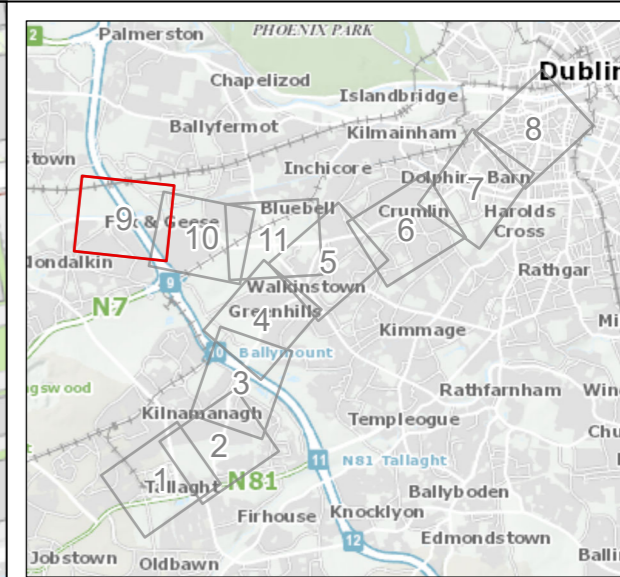
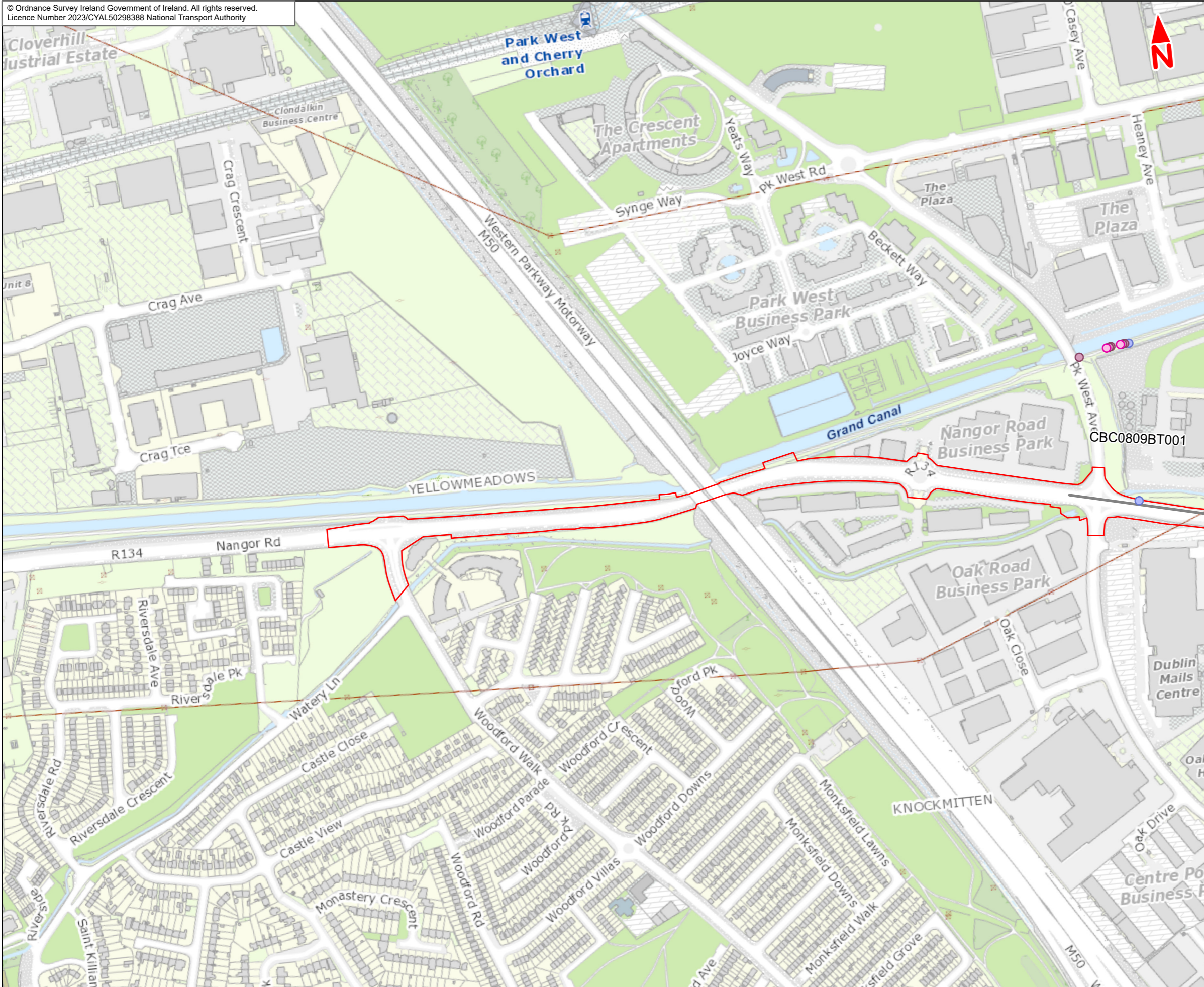
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Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.7.1 Bat Survey Results: Bat Activity Survey Results			
Drawing File Name BCIDE-JAC-ENV BD-0809_XX 00-DR-GG-0408	Sheet Number 8 of 11	Status A	Rev M01

Date 21/03/2023	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		



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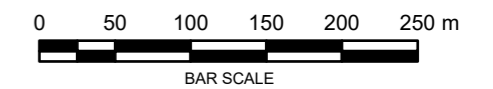
Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme

Bat Survey Transects

Bat Species

- Pipistrellus pipistrellus*
- Pipistrellus pygmaeus*
- Pipistrellus* sp.

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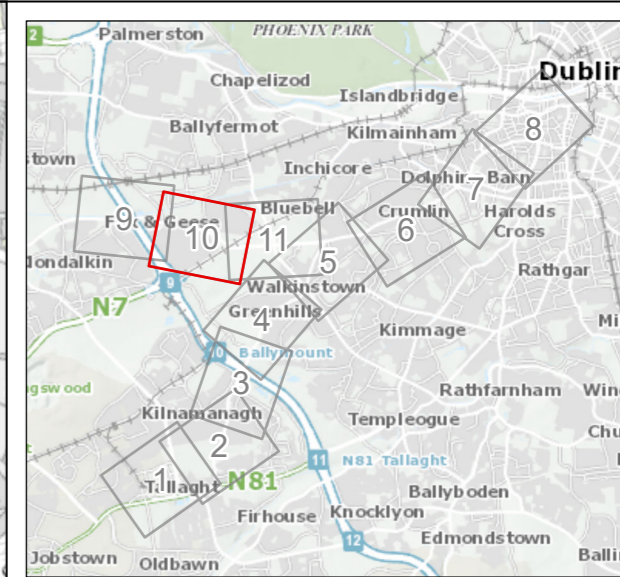
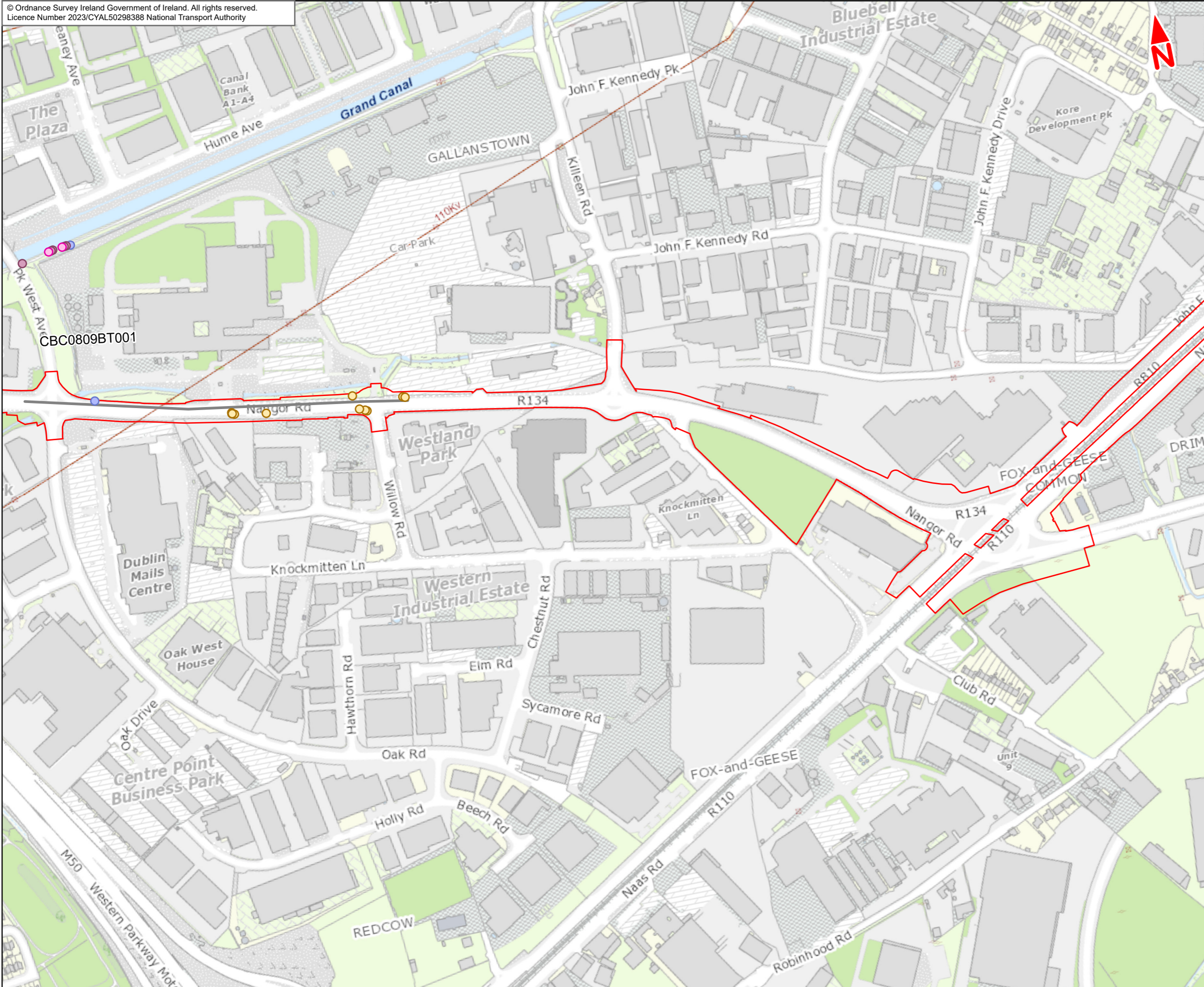
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Client NTA Udarás Náisiúnta Iompair National Transport Authority		Consultant JACOBS ARUP SYSTRA		
Date 21/03/2023	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title Tallaght / Clondalkin 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-0809_XX_00-DR-GG-0409	Sheet Number 9 of 11	Status A	Rev M01	



Legend :

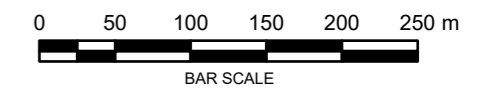
Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme

Bat Survey Transects

Bat Species

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

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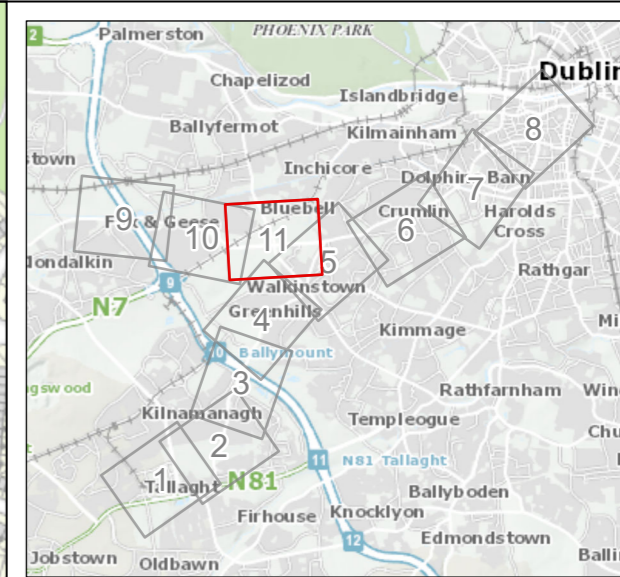
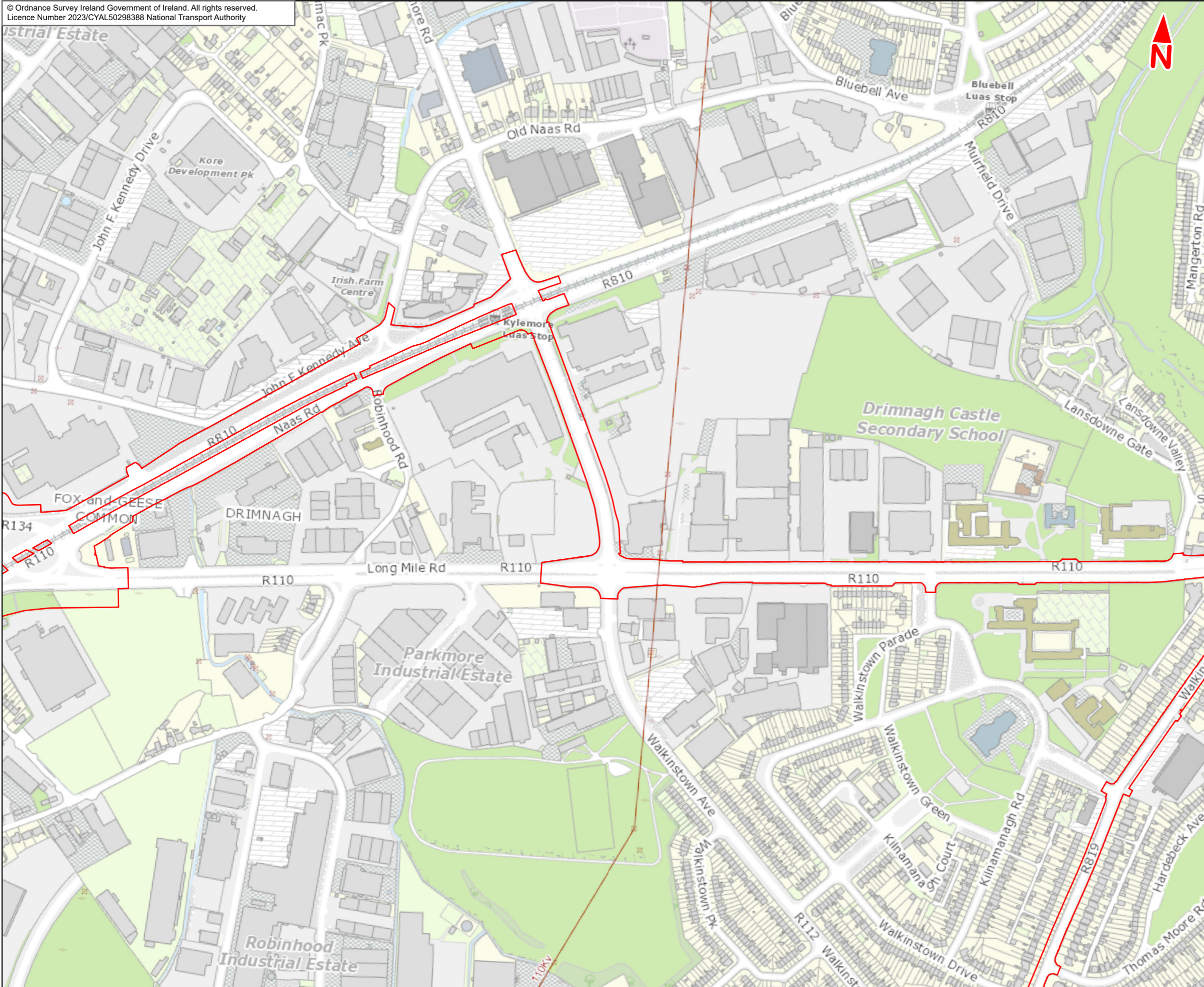
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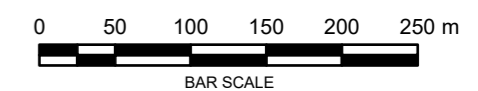
Client NTA Udarás Náisiúnta Iompair National Transport Authority		Consultant JACOBS ARUP SYSTRA		
Date 21/03/2023	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title Tallaght / Clondalkin 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-0809_XX_00-DR-GG-0410	Sheet Number 10 of 11	Status A	Rev M01	



Legend :
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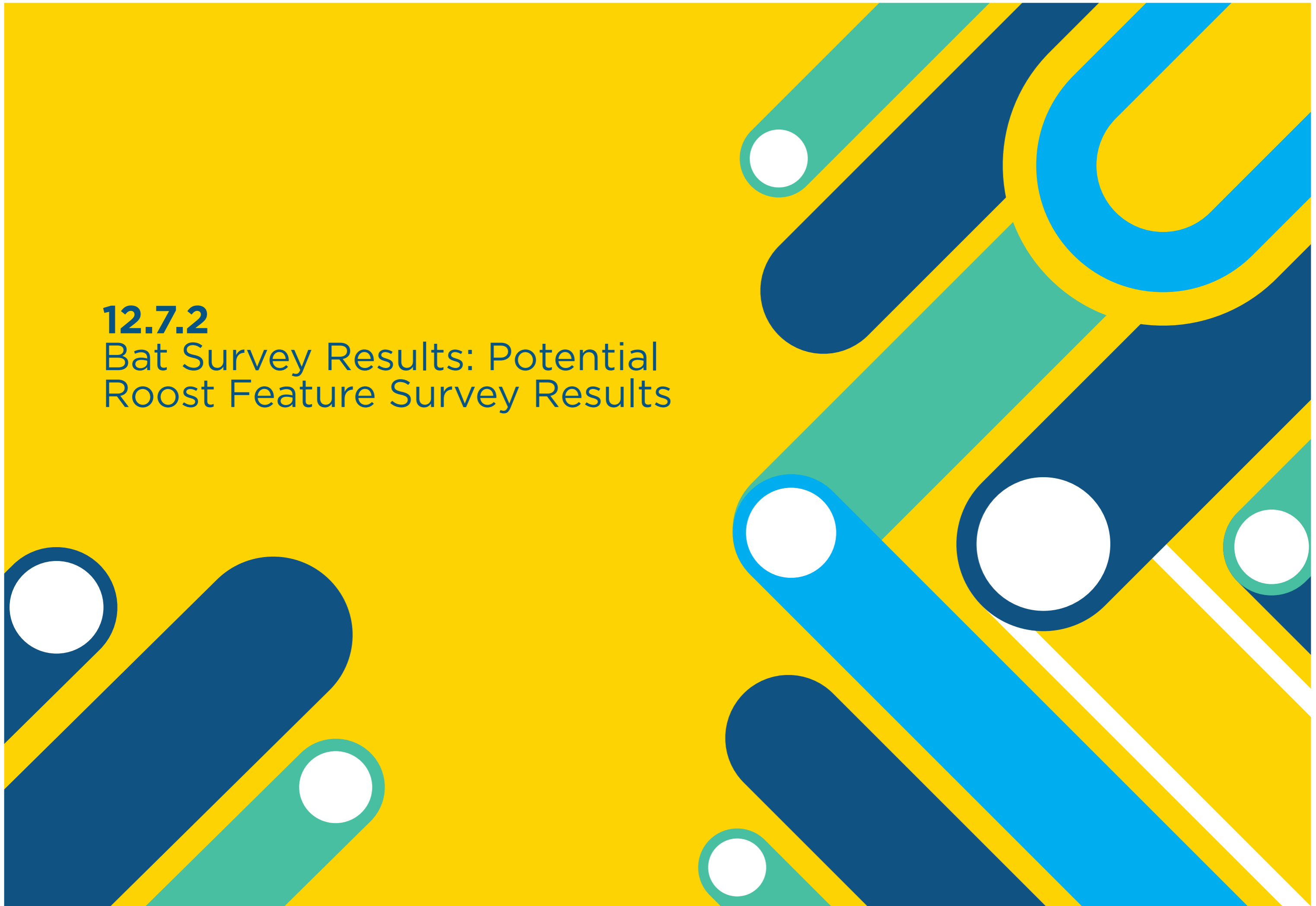
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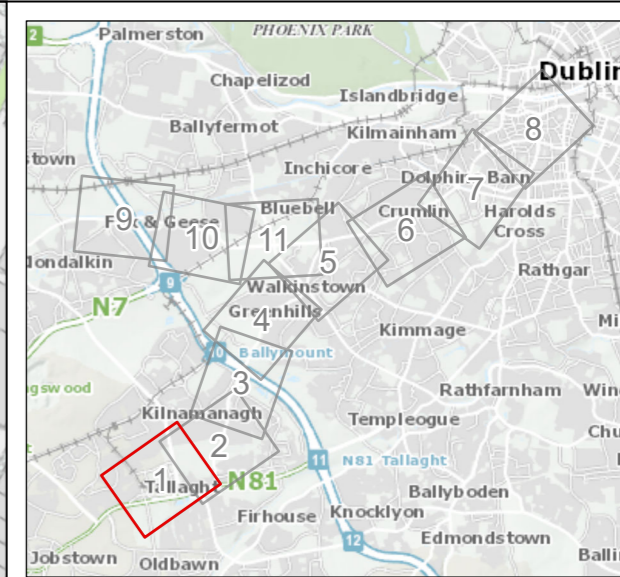
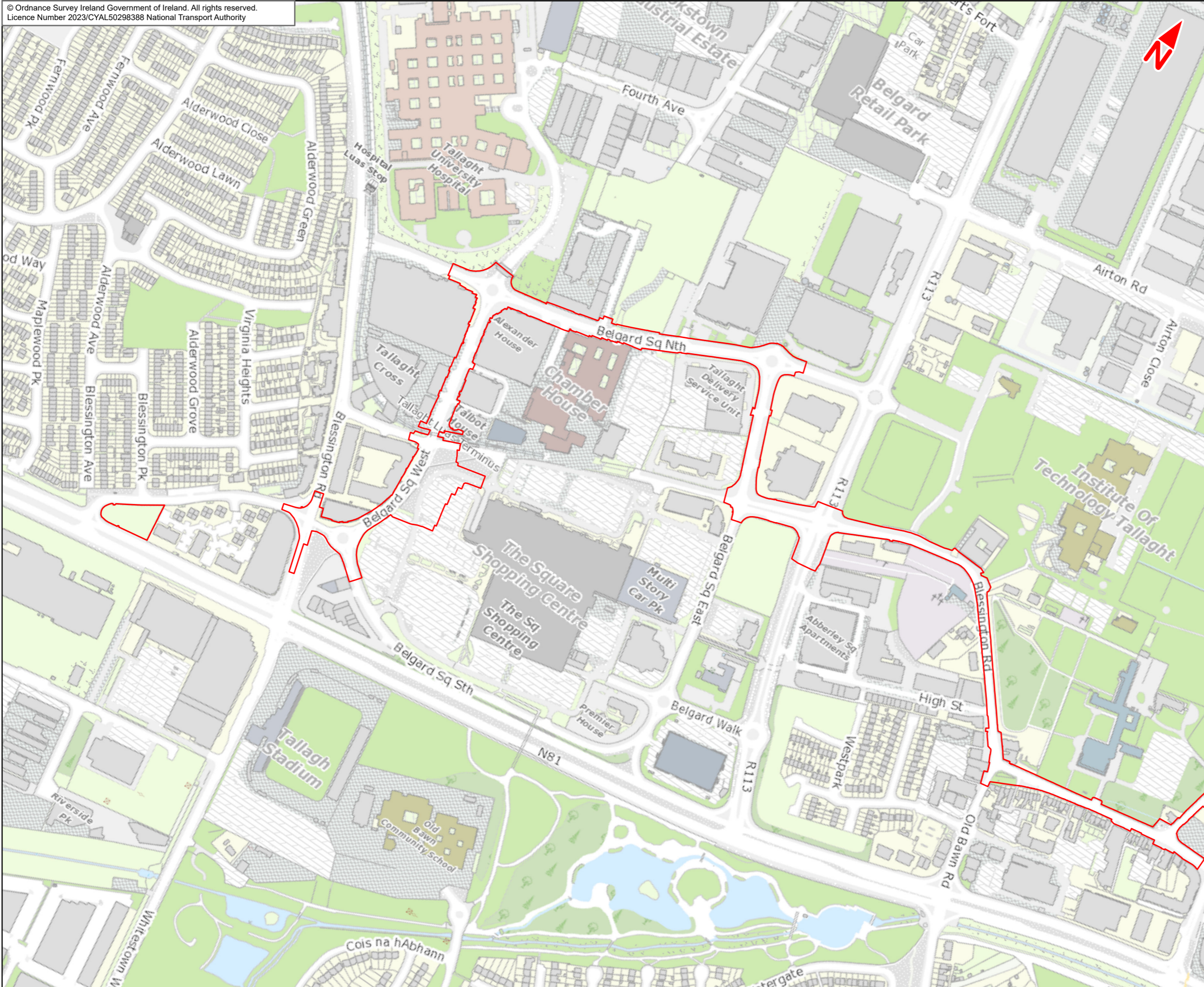
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Date	Scale @ A3	Drawn	Checked	Approved
21/03/2023	1:5 000	EK	PW	DK
Project Code	Originator Code	QMS Code		
BCIDE	JAC			

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.7.1 Bat Survey Results: Bat Activity Survey Results				
Drawing File Name	Sheet Number	Status	Rev	
BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0411	11 of 11	A	M01	

12.7.2

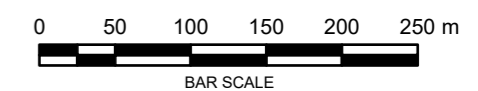
Bat Survey Results: Potential Roost Feature Survey Results





Legend :
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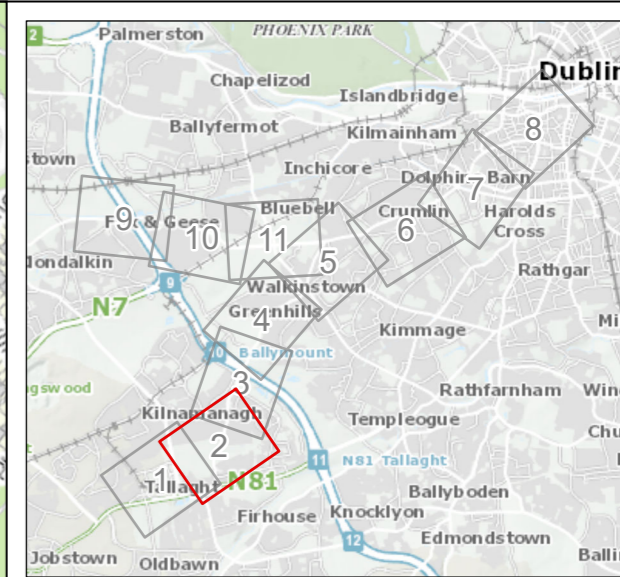
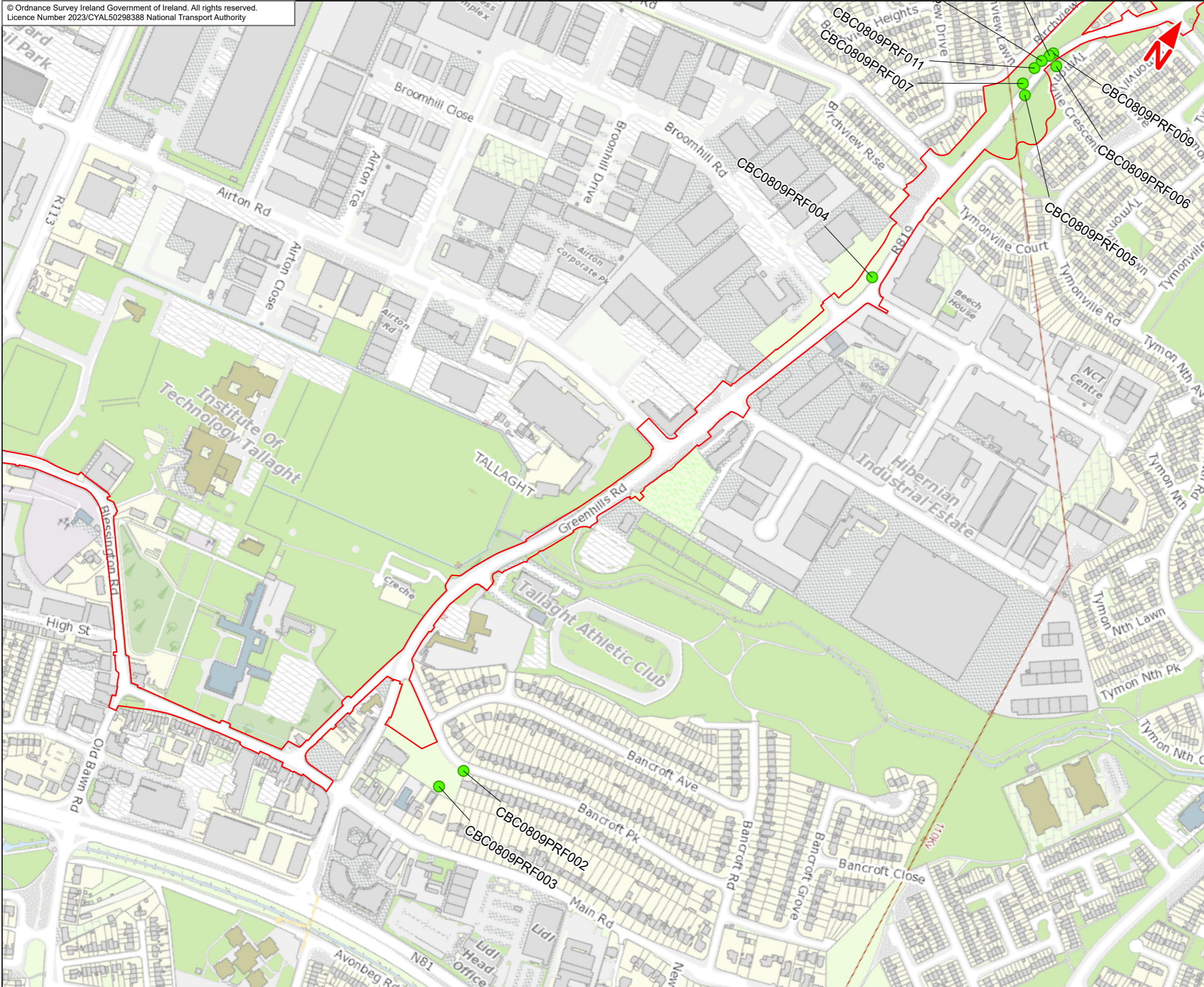
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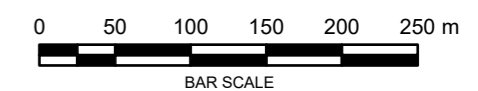
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Drawing Title Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.7.2 Bat Survey Results: Potential Roost Feature Survey Results			
Drawing File Name BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0501	Sheet Number 1 of 11	Status A	Rev M01

Date 21/03/2023	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		



- Legend :**
- Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme
 - Potential Roost Features

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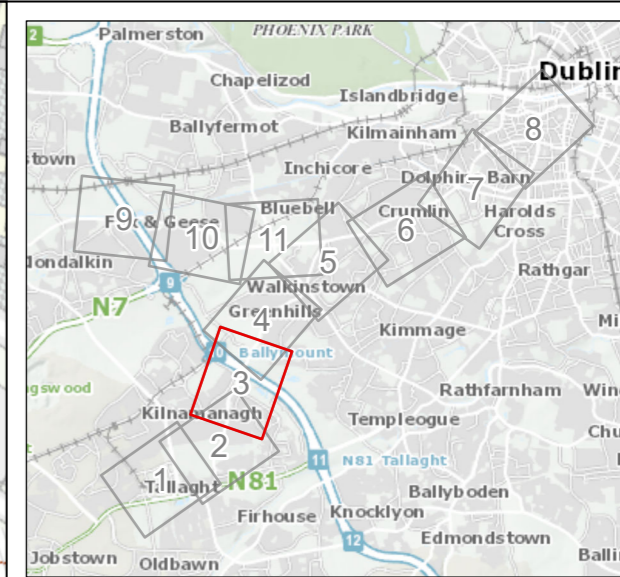
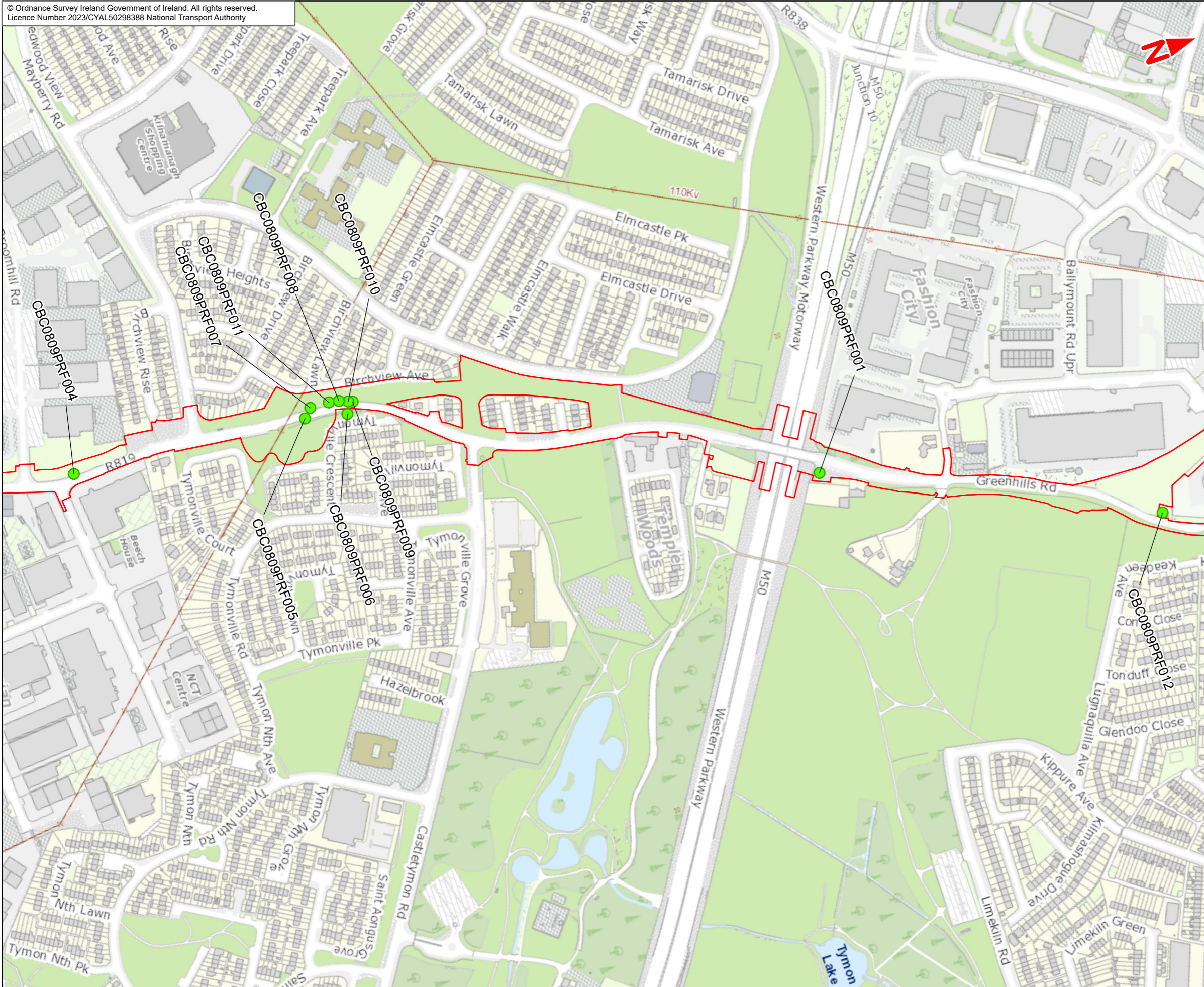
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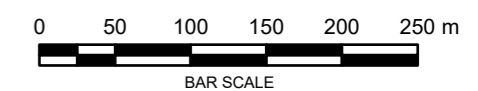
Client NTA Udarás Náisiúnta Iompair National Transport Authority		Consultant JACOBS ARUP SYSTRA		
Date 21/03/2023	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title Tallaght / Clondalkin 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-0809_XX_00-DR-GG-0502	Sheet Number 2 of 11	Status A	Rev M01	



- Legend :**
- Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme
 - Potential Roost Features

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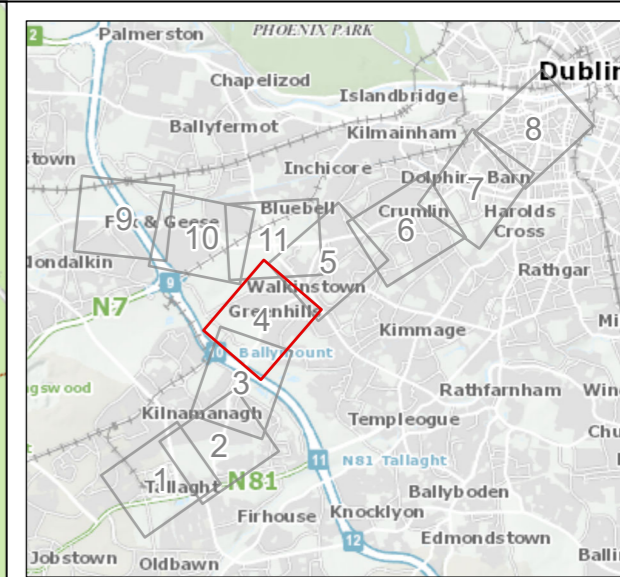
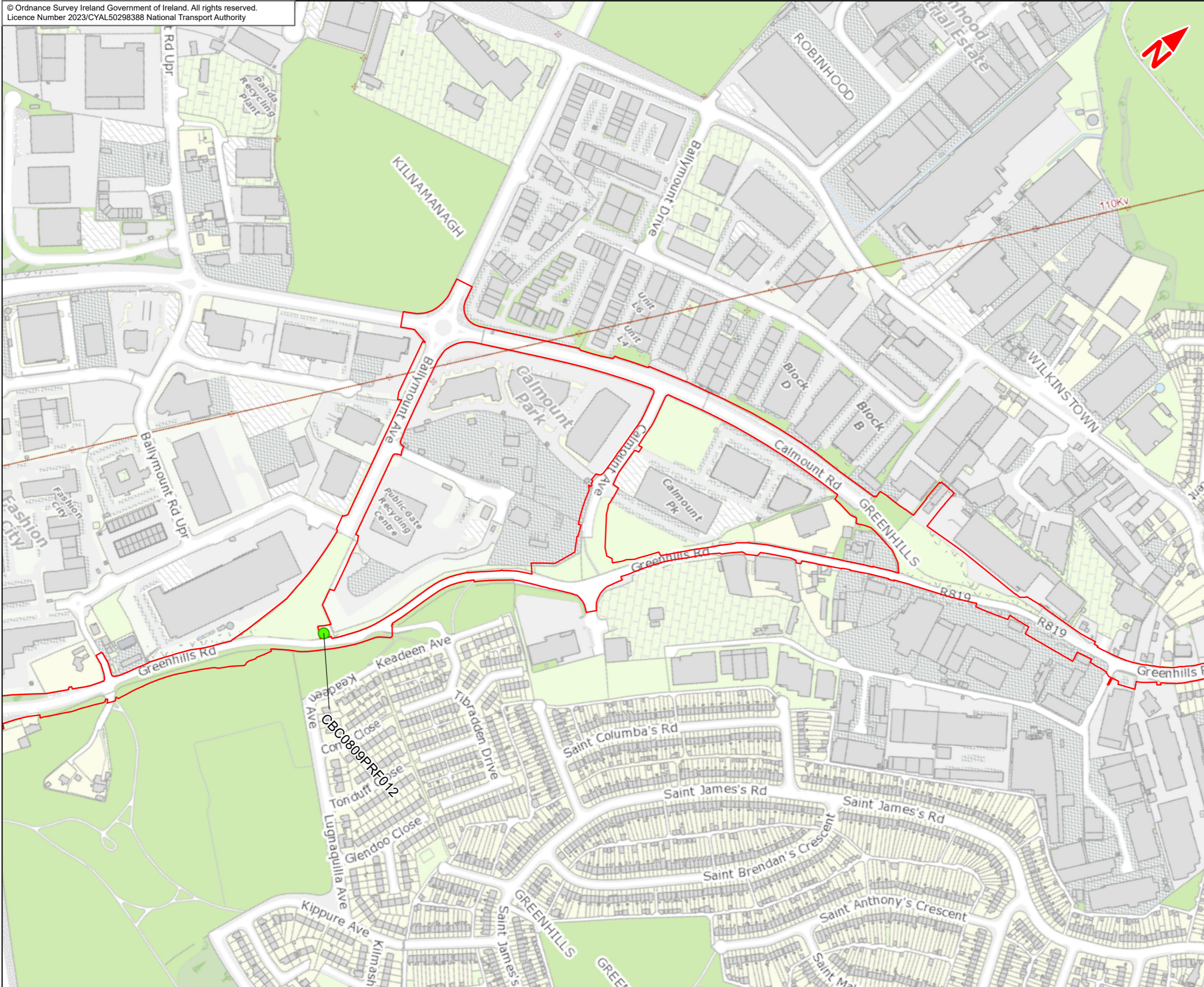
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Client
NTA
Udarás Náisiúnta Iompair
National Transport Authority

Consultant
JACOBS
ARUP SYSTRA

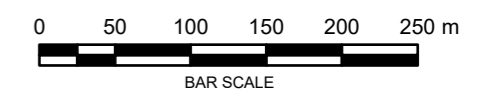
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Drawing Title Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.7.2 Bat Survey Results: Potential Roost Feature Survey Results			
Drawing File Name BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0503	Sheet Number 3 of 11	Status A	Rev M01

Date 21/03/2023	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		



- Legend :**
- Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme
 - Potential Roost Features

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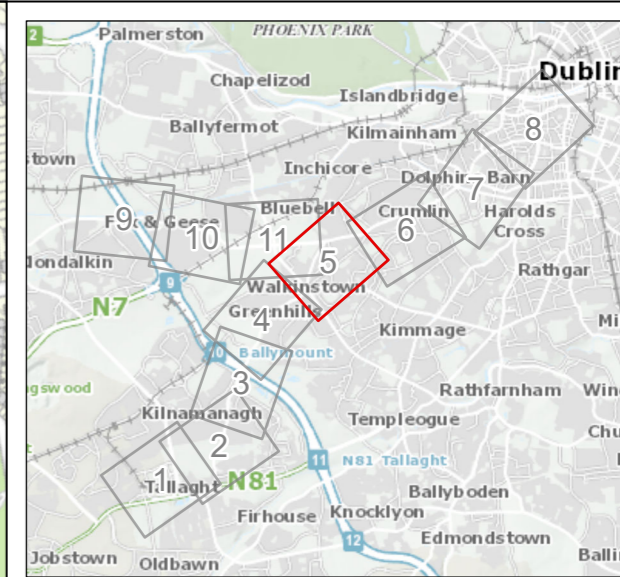
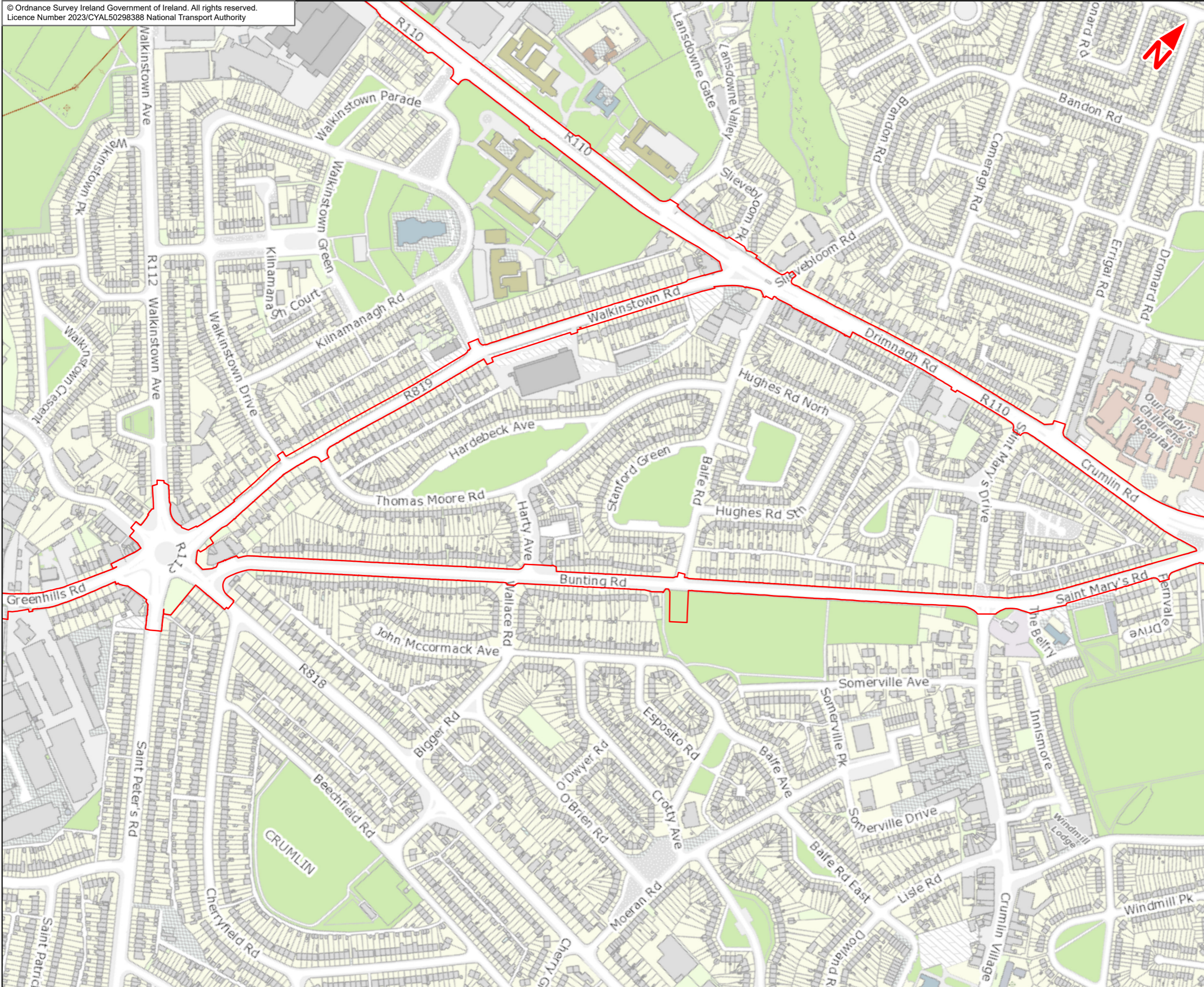
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National Transport Authority

Consultant: **JACOBS ARUP SYSTRA**

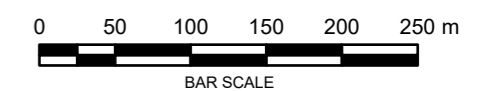
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Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.7.2 Bat Survey Results: Potential Roost Feature Survey Results			
Drawing File Name: BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0504	Sheet Number: 4 of 11	Status: A	Rev: M01



Legend :
 Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme

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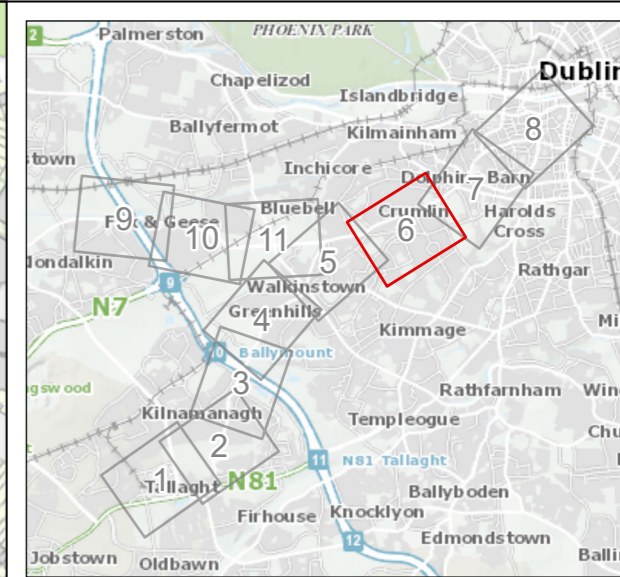
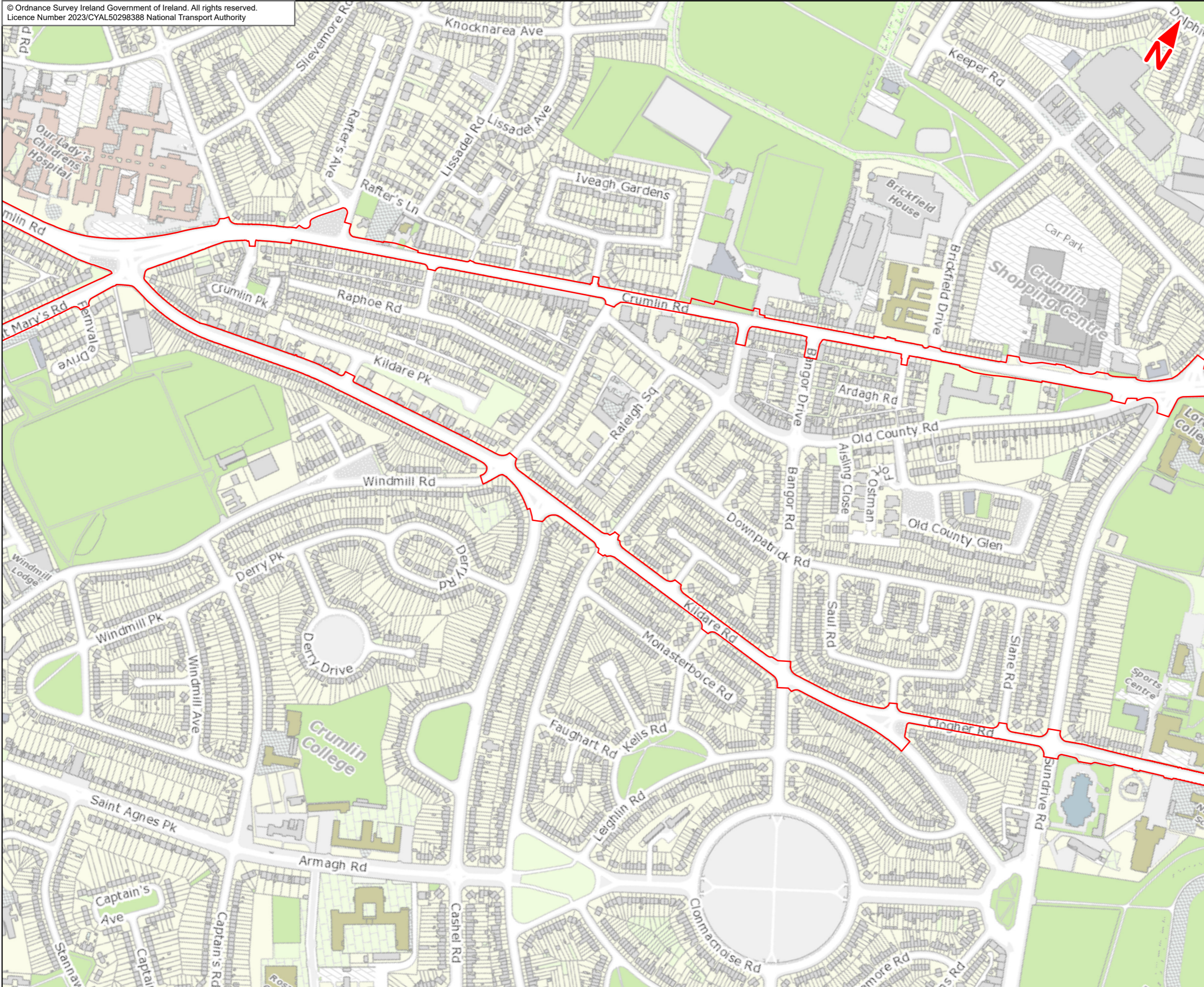
Consultant: **JACOBS ARUP SYSTRA**

Date: 21/03/2023
Scale @ A3: 1:5 000

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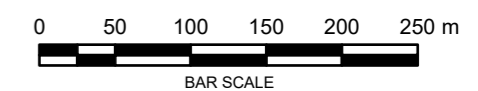
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Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.7.2 Bat Survey Results: Potential Roost Feature Survey Results			
Drawing File Name: BCIDE-JAC-ENV BD-0809_XX 00-DR-GG-0505	Sheet Number: 5 of 11	Status: A	Rev: M01



Legend :
 Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme

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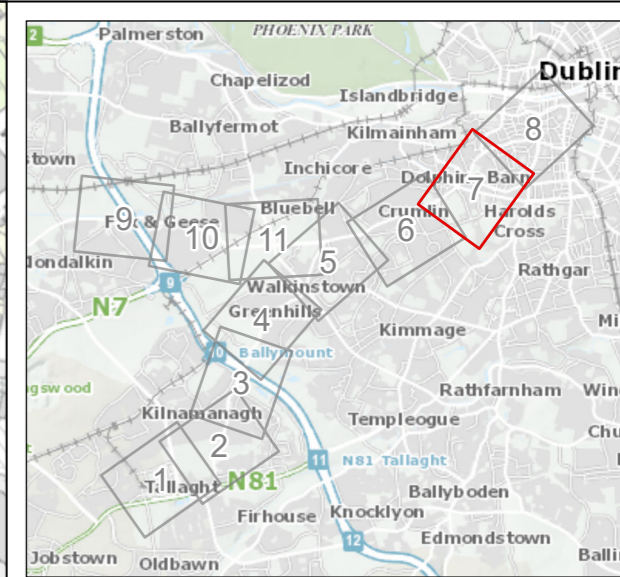
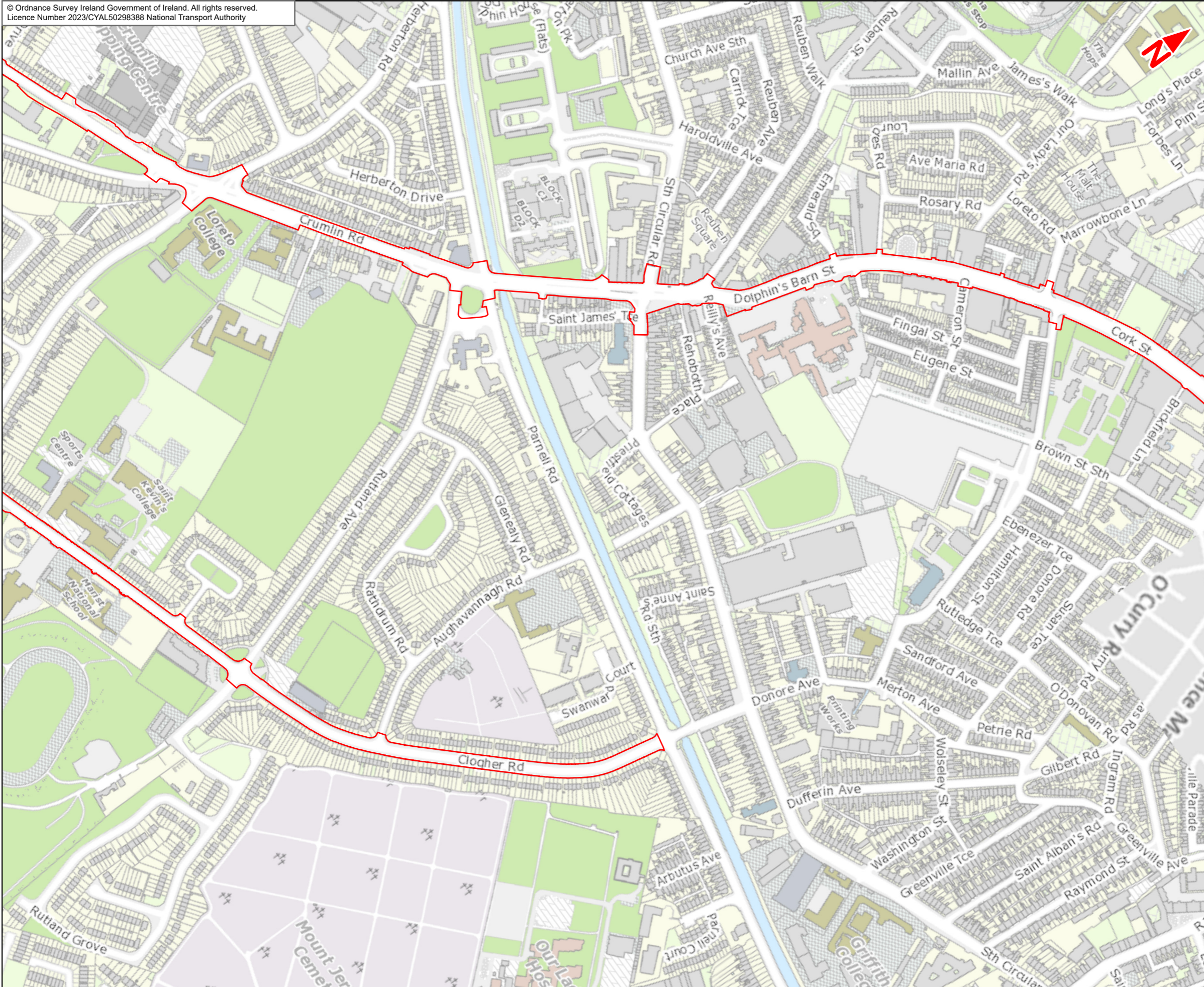
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ARUP SYSTRA

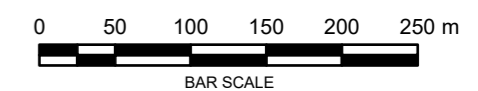
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Drawing Title Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.7.2 Bat Survey Results: Potential Roost Feature Survey Results			
Drawing File Name BCIDE-JAC-ENV BD-0809_XX 00-DR-GG-0506	Sheet Number 6 of 11	Status A	Rev M01

Date 21/03/2023	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
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Legend :
 Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme

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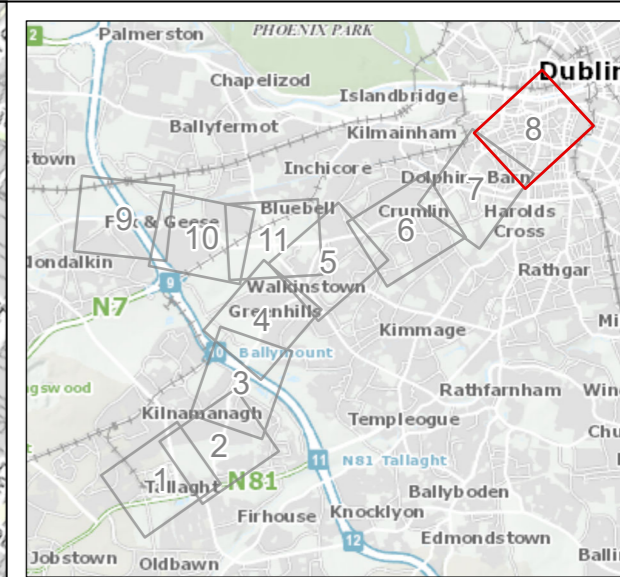
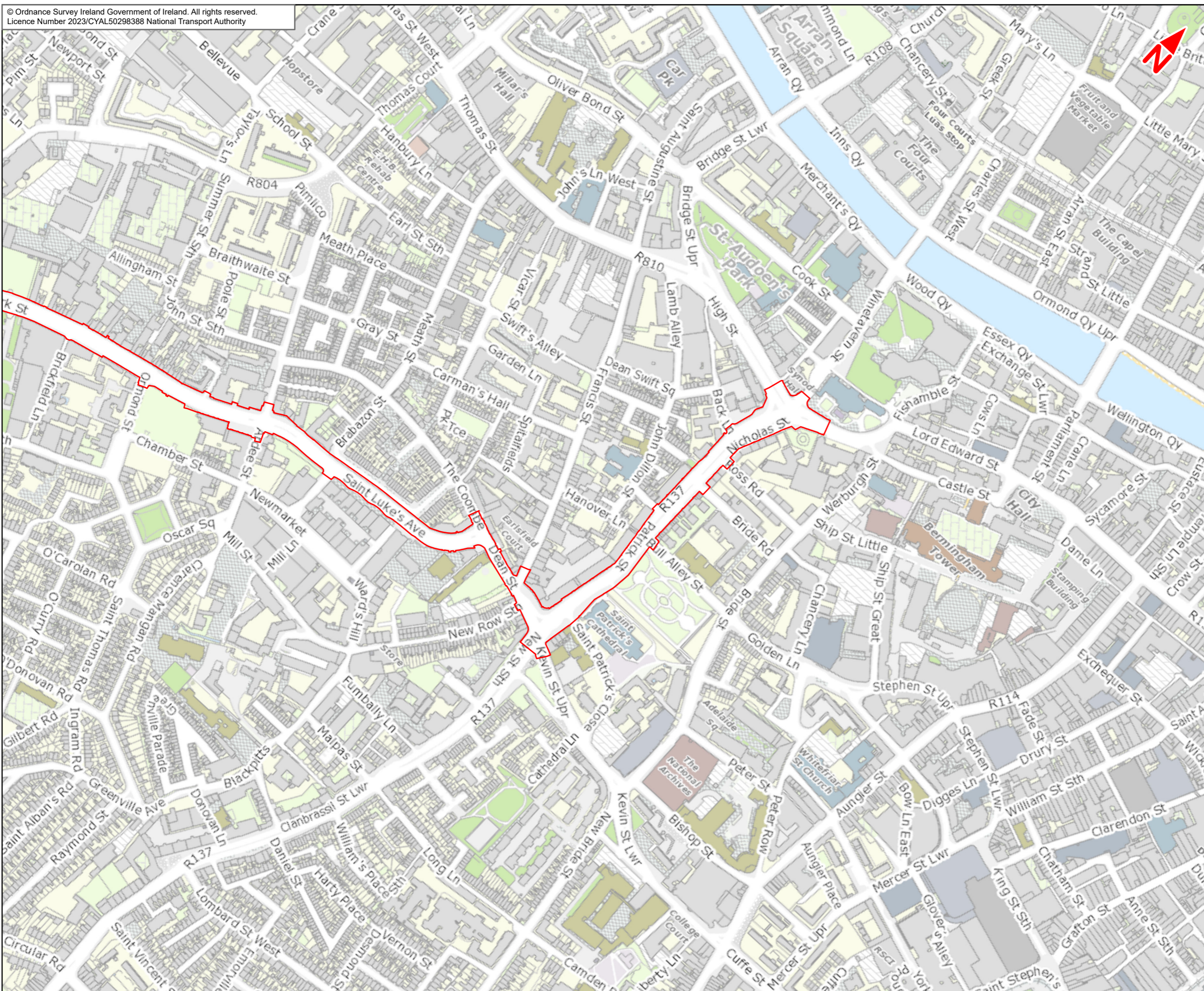
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Consultant: **JACOBS ARUP SYSTRA**

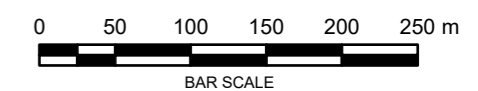
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Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.7.2 Bat Survey Results: Potential Roost Feature Survey Results			
Drawing File Name: BCIDE-JAC-ENV BD-0809_XX 00-DR-GG-0507	Sheet Number: 7 of 11	Status: A	Rev: M01



Legend :
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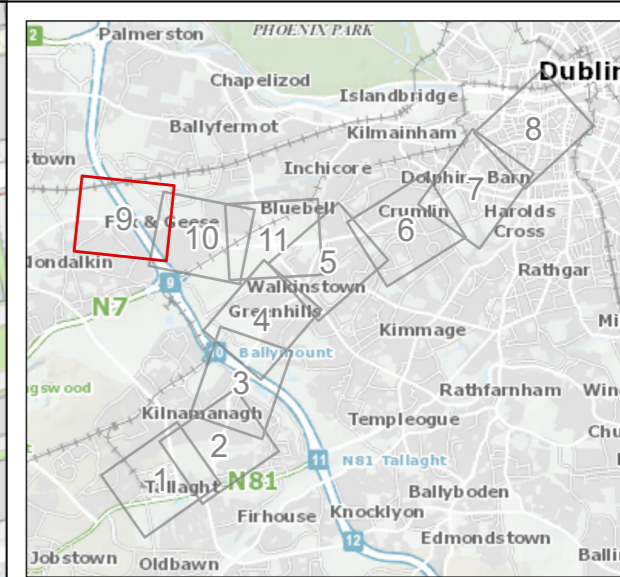
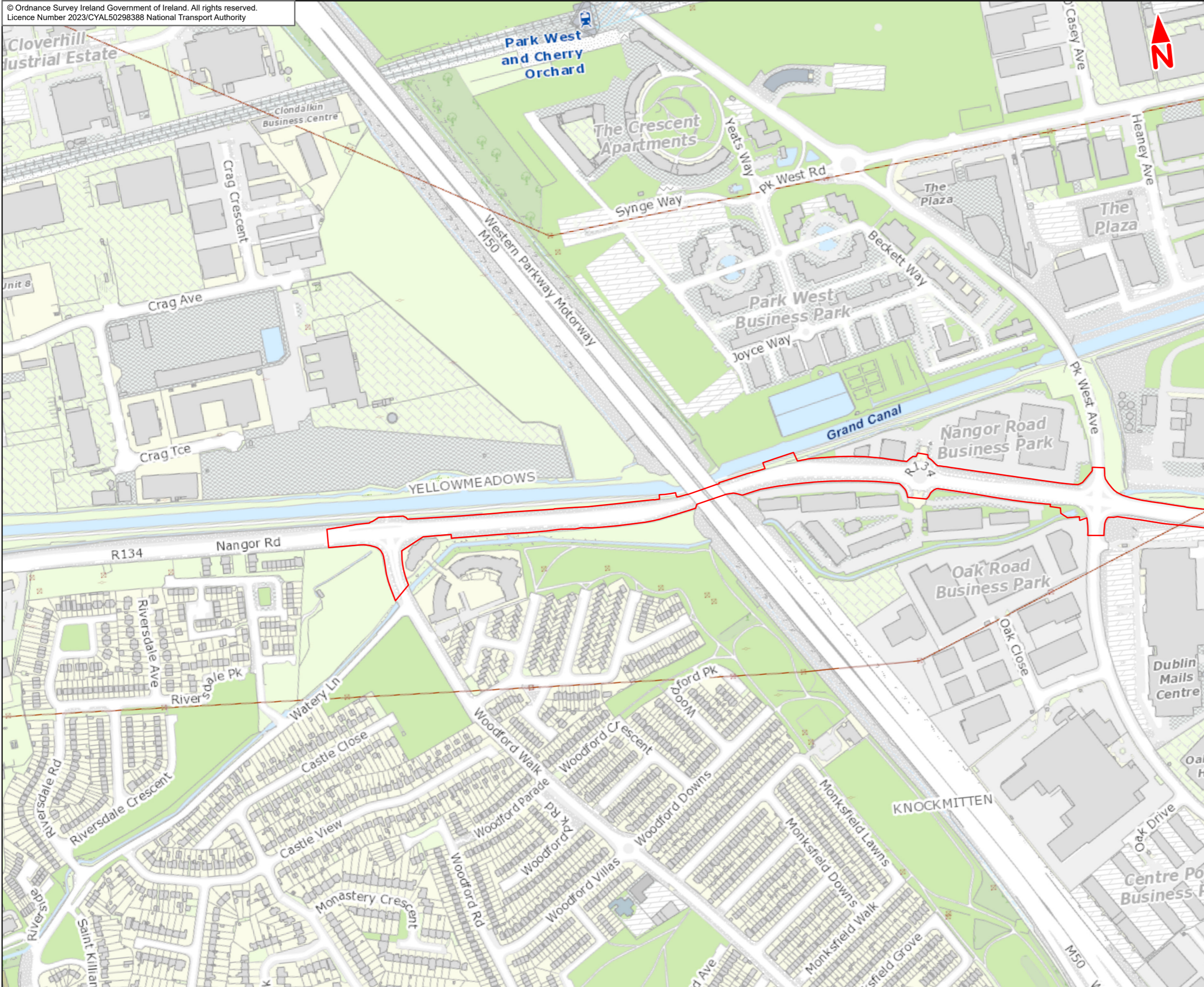
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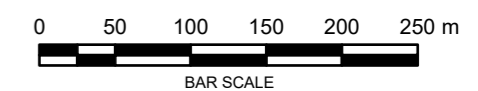
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Drawing Title Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.7.2 Bat Survey Results: Potential Roost Feature Survey Results			
Drawing File Name BCIDE-JAC-ENV BD-0809_XX 00-DR-GG-0508	Sheet Number 8 of 11	Status A	Rev M01

Date 21/03/2023	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
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Legend :
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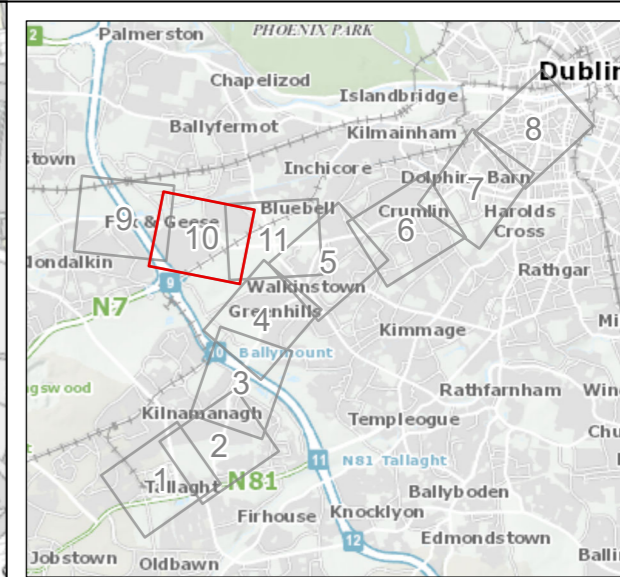
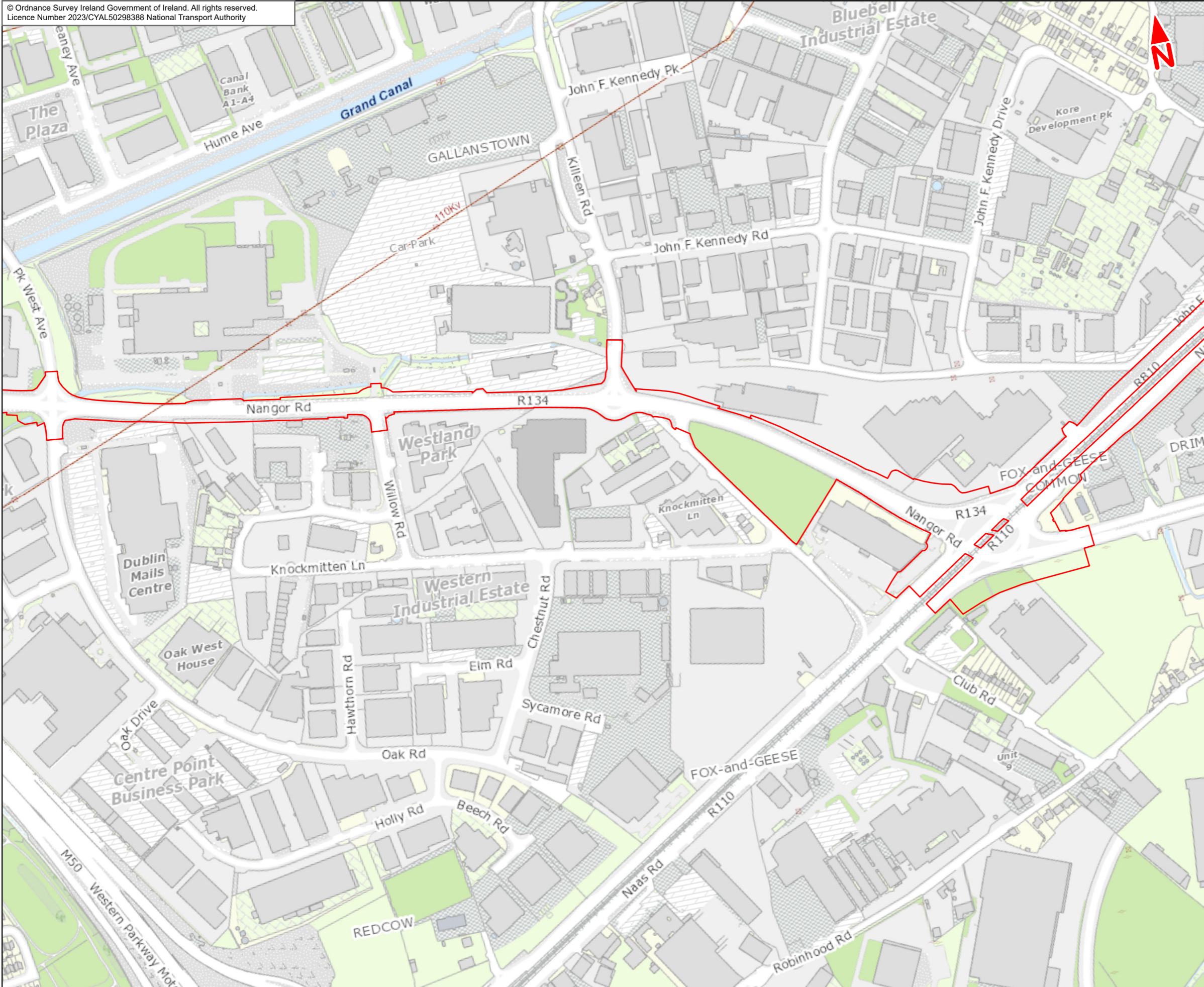
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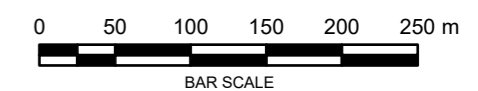
Client NTA Udarás Náisiúnta Iompair National Transport Authority		Consultant JACOBS ARUP SYSTRA		
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Project Code BCIDE	Originator Code JAC	QMS Code		

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title Tallaght / Clondalkin 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-0809_XX_00-DR-GG-0509	Sheet Number 9 of 11	Status A	Rev M01	



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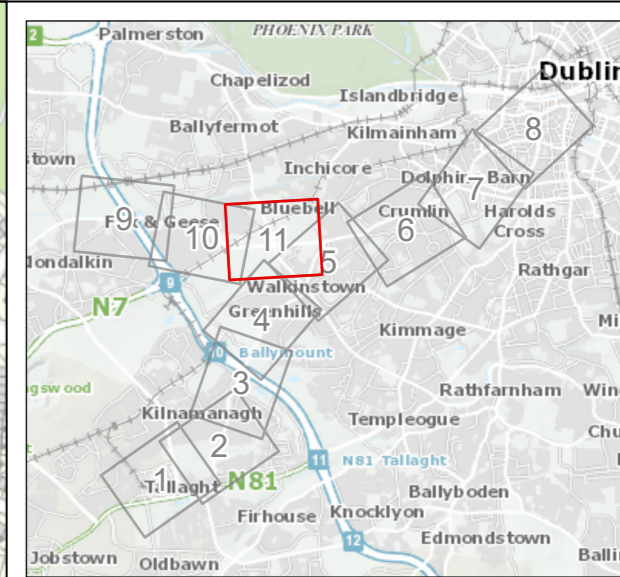
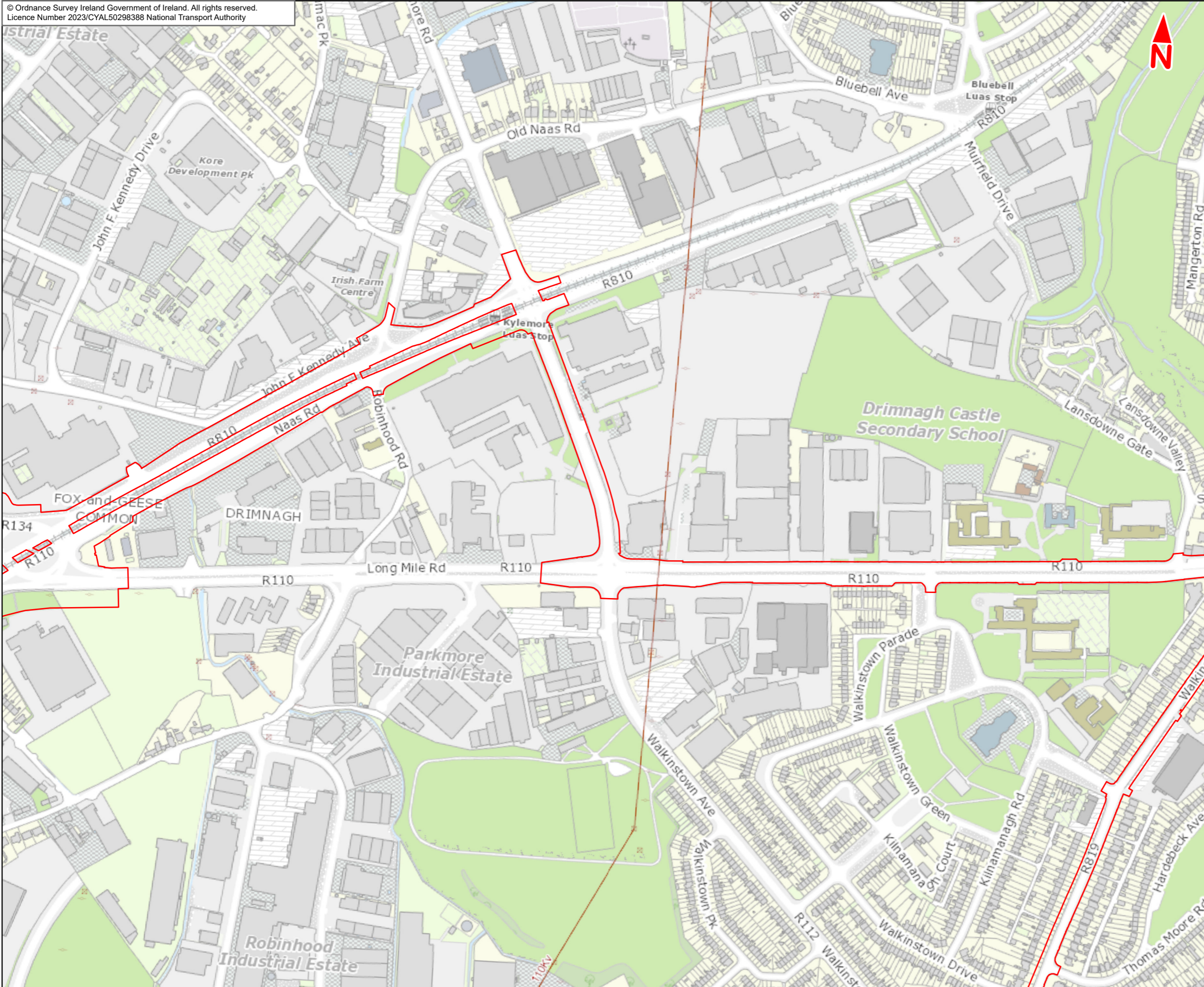
Client: **NTA**
Udarás Náisiúnta Iompair
National Transport Authority

Consultant: **JACOBS ARUP SYSTRA**

Date: 21/03/2023 | Scale @ A3: 1:5 000
 Project Code: BCIDE | Originator Code: JAC

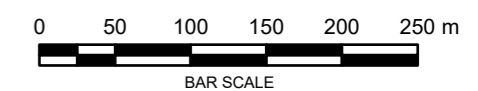
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Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.7.2 Bat Survey Results: Potential Roost Feature Survey Results			
Drawing File Name: BCIDE-JAC-ENV BD-0809_XX 00-DR-GG-0510	Sheet Number: 10 of 11	Status: A	Rev: M01



Legend :
 Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme

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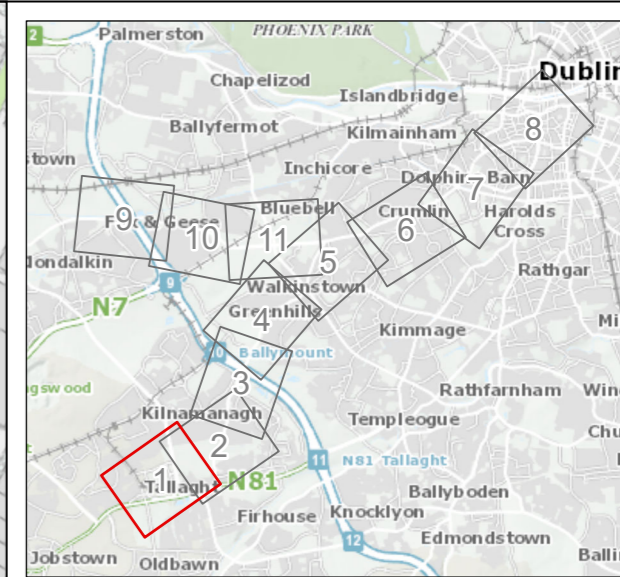
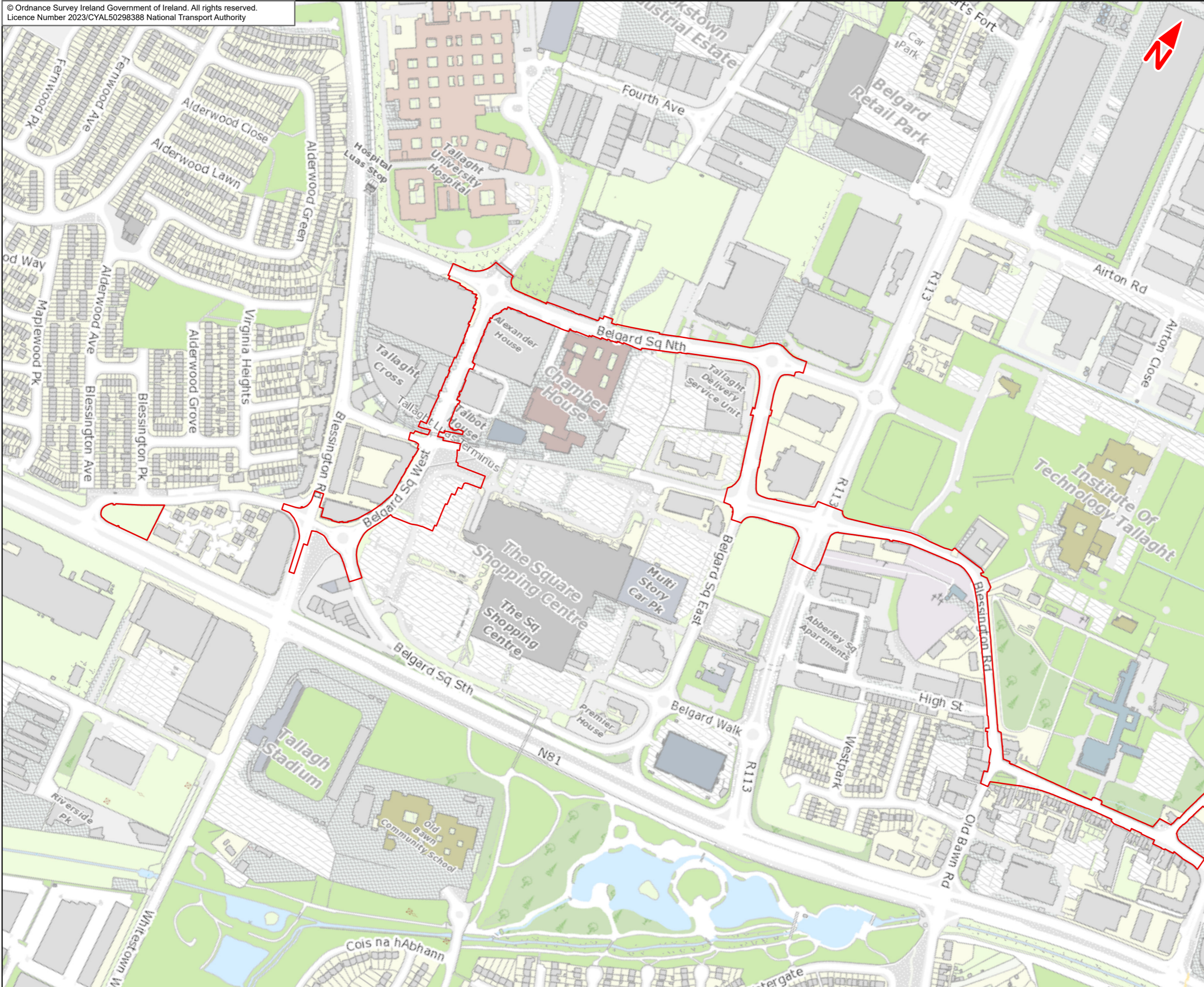
Consultant: **JACOBS ARUP SYSTRA**

Date: 21/03/2023 | Scale @ A3: 1:5 000
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 Project Code: BCIDE | Originator Code: JAC | QMS Code:

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: Tallaght / Clondalkin 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-0809_XX_00-DR-GG-0511	Sheet Number: 11 of 11	Status: A	Rev: M01

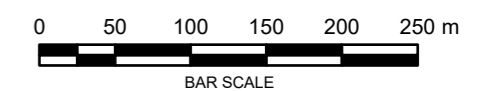
The background features a vibrant yellow field with abstract, overlapping shapes in dark blue, light blue, and teal. Several white circles of varying sizes are scattered throughout, some appearing as cutouts within the colored shapes. The overall style is modern and graphic.

12.8
Wintering Bird Survey Results



Legend :
 Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme

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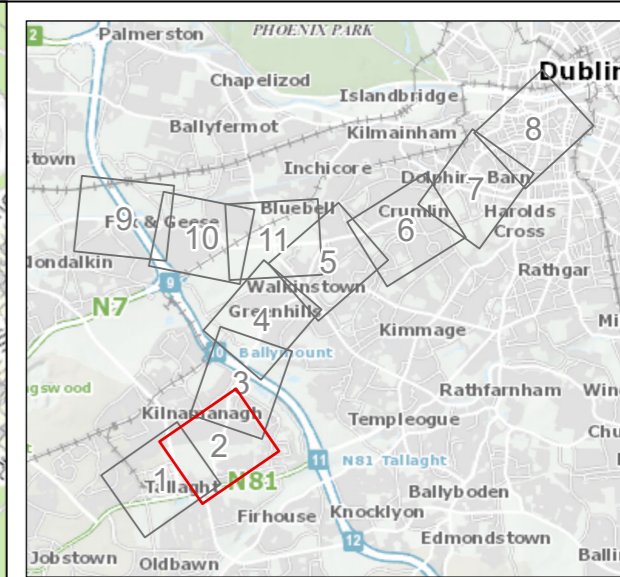
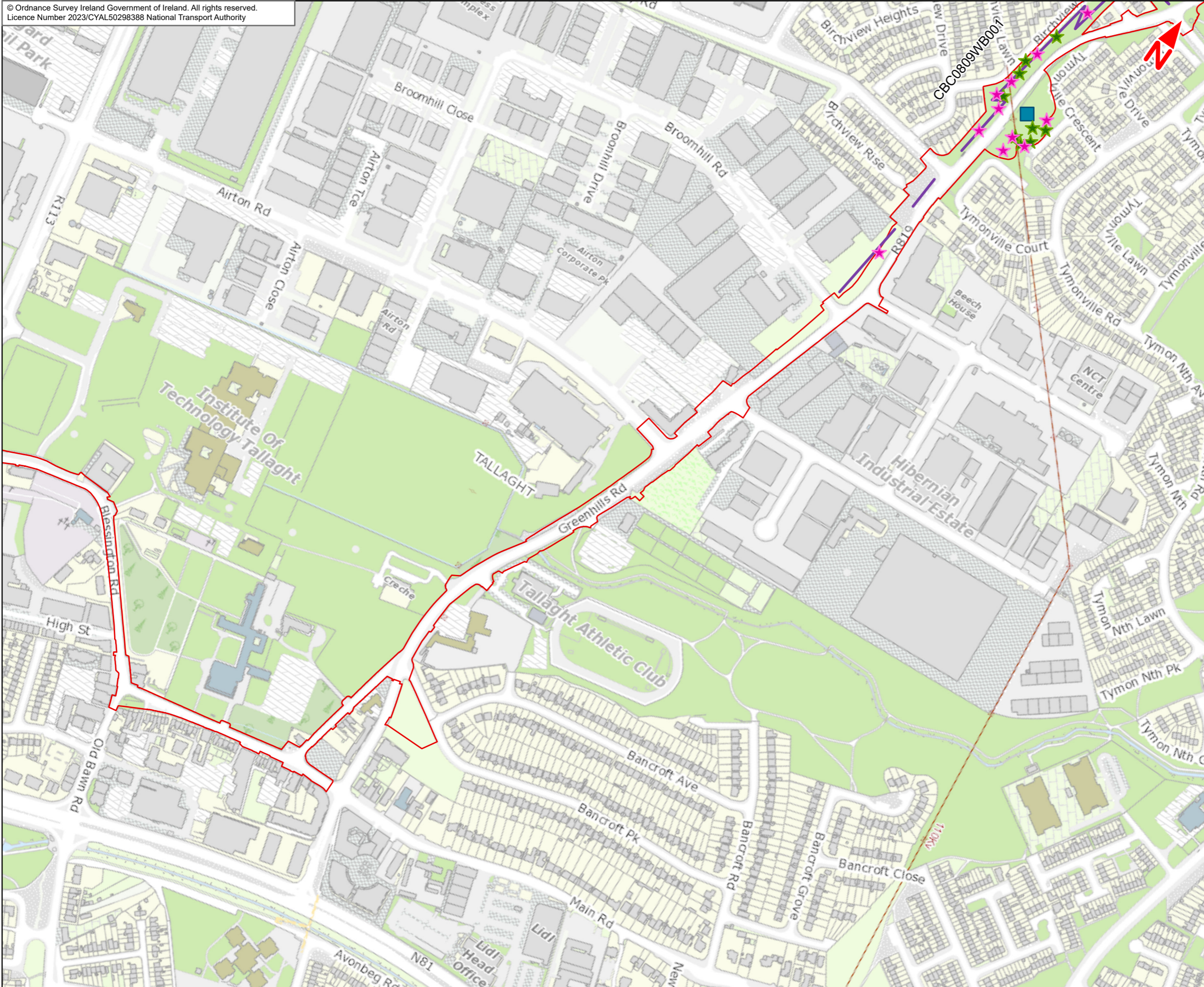
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Consultant
JACOBS
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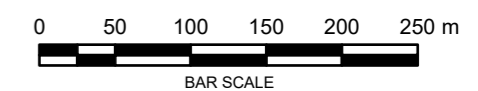
Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.8 Wintering Bird Survey Results				
Drawing File Name BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0601	Sheet Number 1 of 11	Status A	Rev M01	

Date 21/03/2023	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		



- Legend :**
- Tallaght / Clondalkin 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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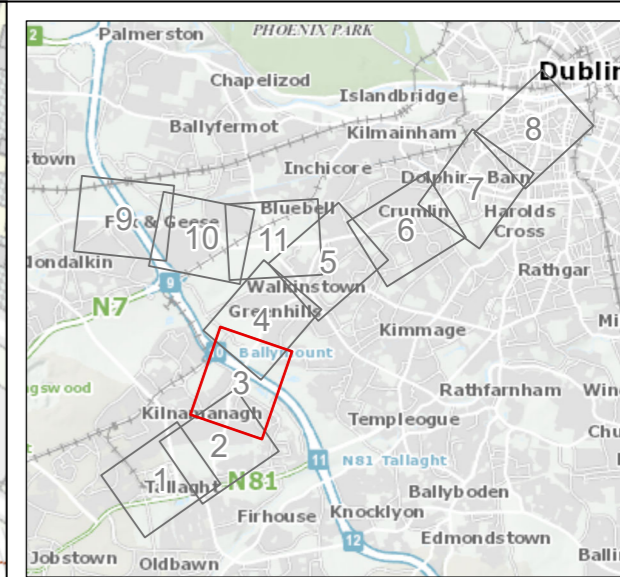
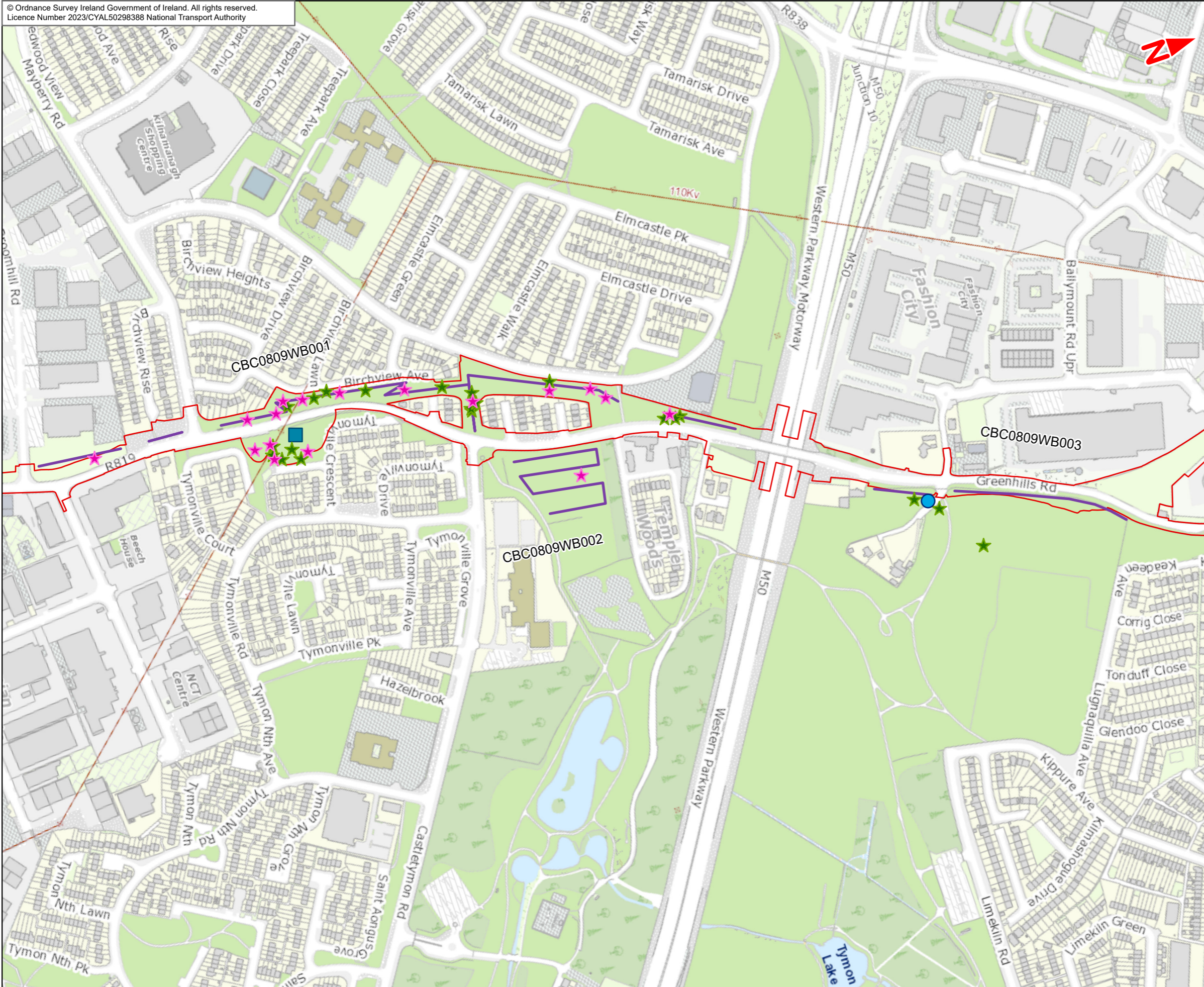
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Consultant
JACOBS ARUP SYSTRA

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.8 Wintering Bird Survey Results				
Drawing File Name BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0602	Sheet Number 2 of 11	Status A	Rev M01	

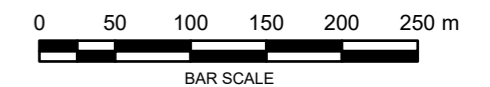
Date 21/03/2023	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		



Legend :

- Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme
- Winter Bird Survey Transects
- BoCCI Red List Bird Species**
- Oystercatcher
- BoCCI Amber List Bird Species**
- ★ Black-headed gull
- ★ Herring gull
- BoCCI Green List Bird Species**
- Grey heron

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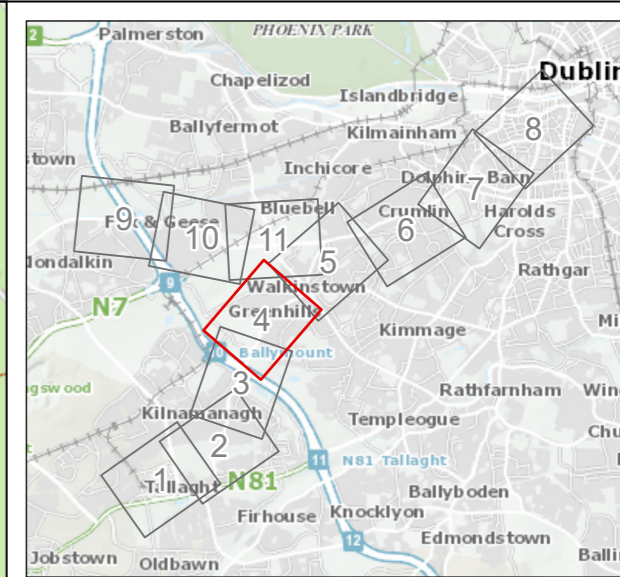
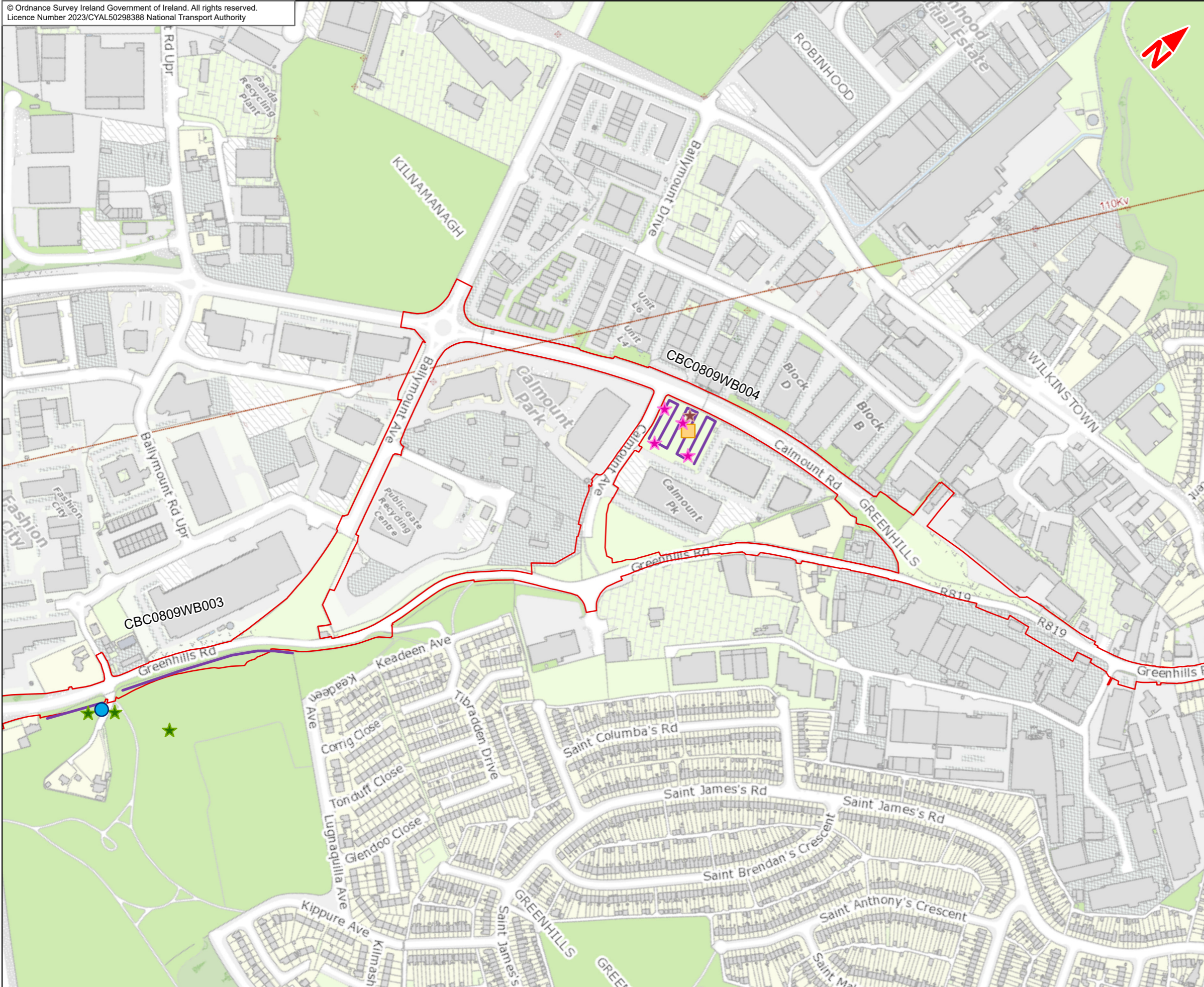
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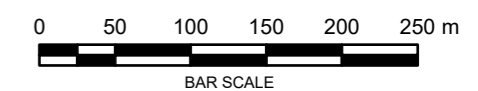
Client NTA Udarás Náisiúnta Iompair National Transport Authority		Consultant JACOBS ARUP SYSTRA		
Date 21/03/2023	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.8 Wintering Bird Survey Results				
Drawing File Name BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0603	Sheet Number 3 of 11	Status A	Rev M01	



- Legend :**
- Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme
 - Winter Bird Survey Transects
 - BoCCI Red List Bird Species**
 - Oystercatcher
 - BoCCI Amber List Bird Species**
 - ★ Black-headed gull
 - ★ Herring gull
 - ★ Lesser Black-backed gull
 - BoCCI Green List Bird Species**
 - Mistle thrush

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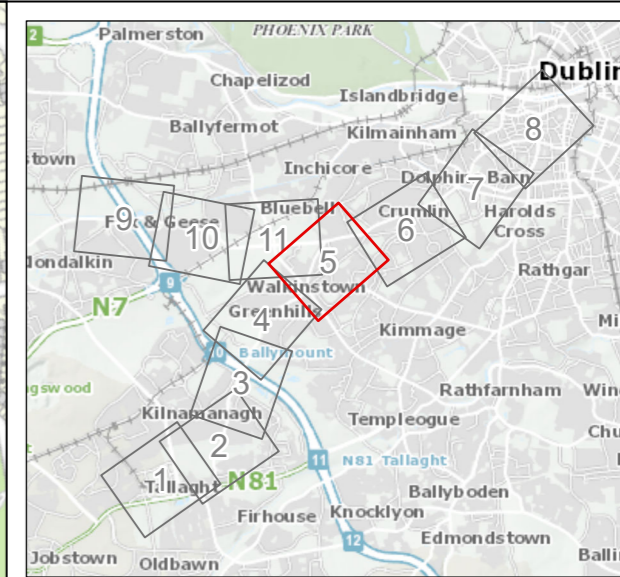
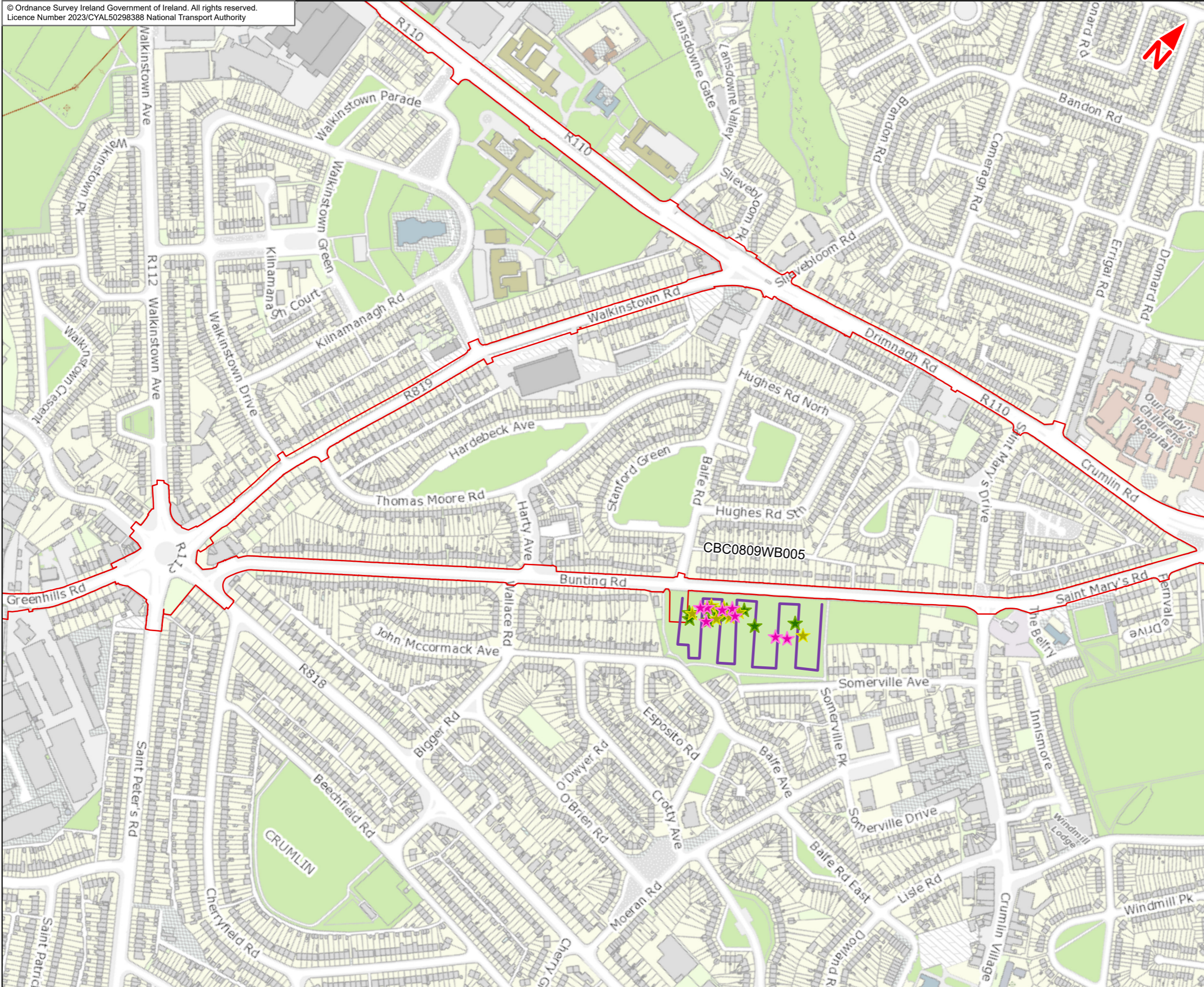
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Date: 21/03/2023 | Scale @ A3: 1:5 000

Project Code: BCIDE | Originator Code: JAC

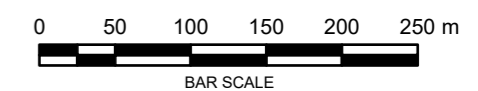
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Drawing File Name: BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0604	Sheet Number: 4 of 11	Status: A	Rev: M01



- Legend :**
- Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme
 - Winter Bird Survey Transects
- BoCCI Amber List Bird Species**
- ★ Black-headed gull
 - ★ Common gull
 - ★ Herring gull

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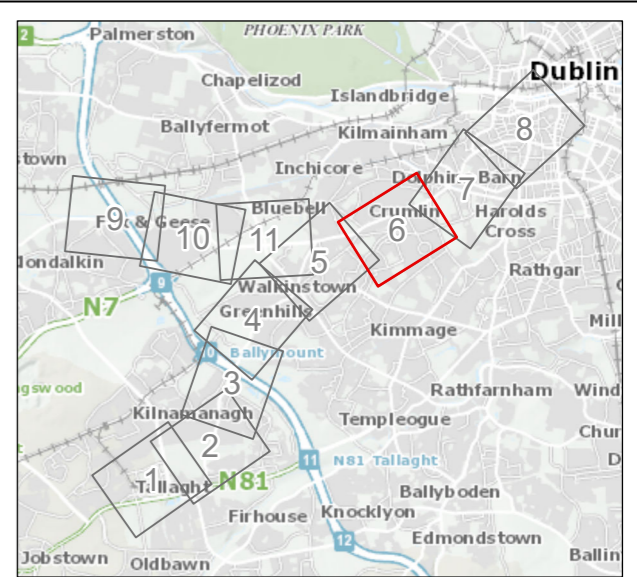
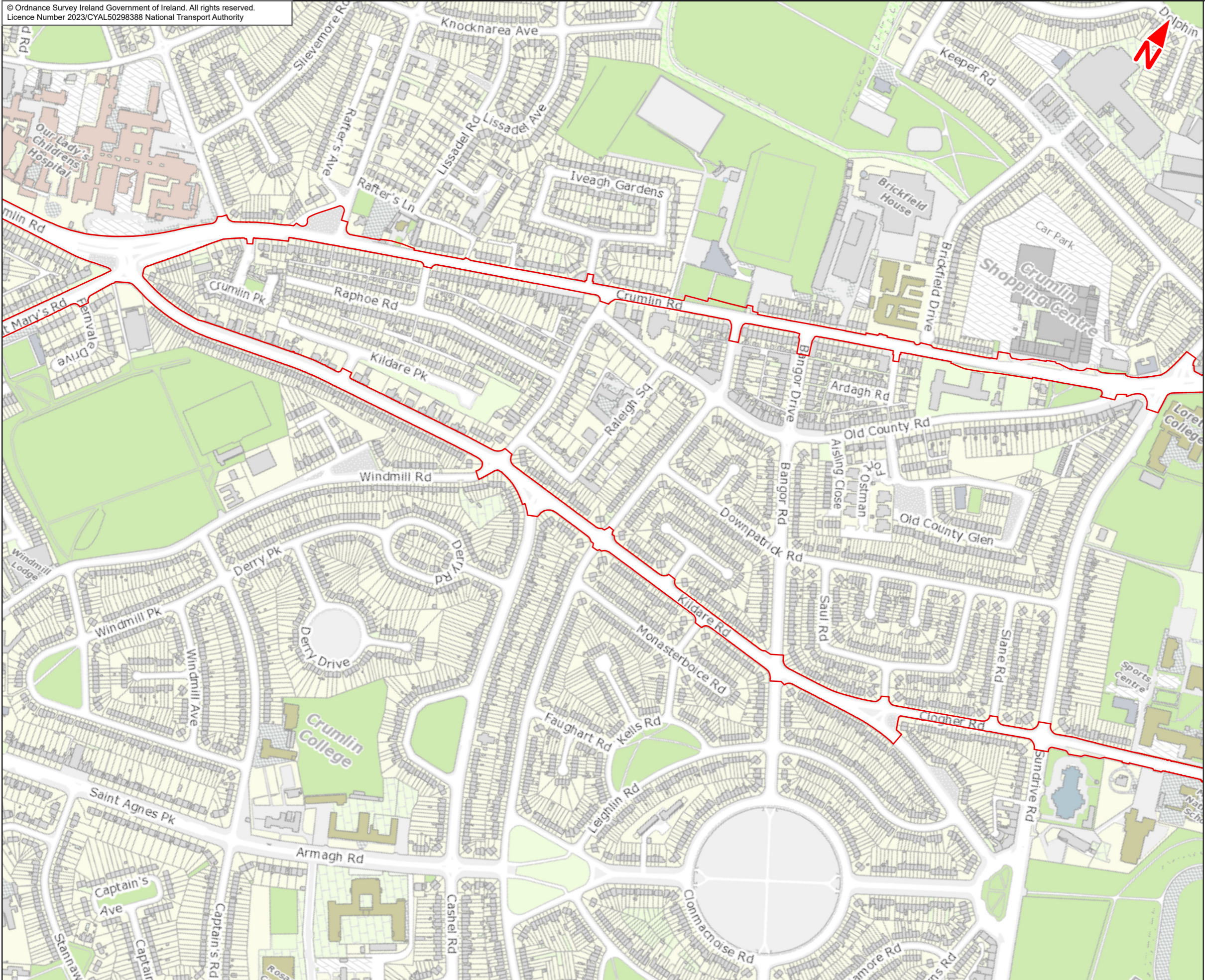
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Consultant: **JACOBS ARUP SYSTRA**

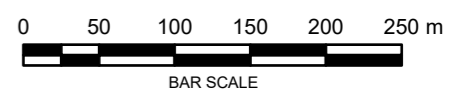
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Drawing Title: Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.8 Wintering Bird Survey Results				
Drawing File Name: BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0605	Sheet Number: 5 of 11	Status: A	Rev: M01	



Legend :
 Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme

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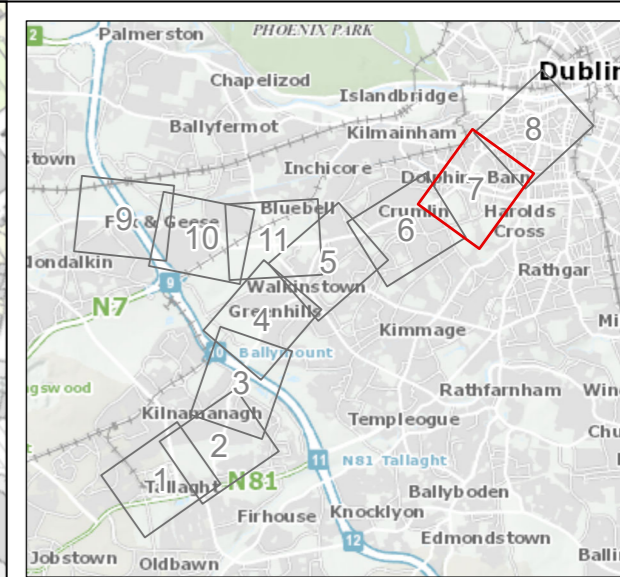
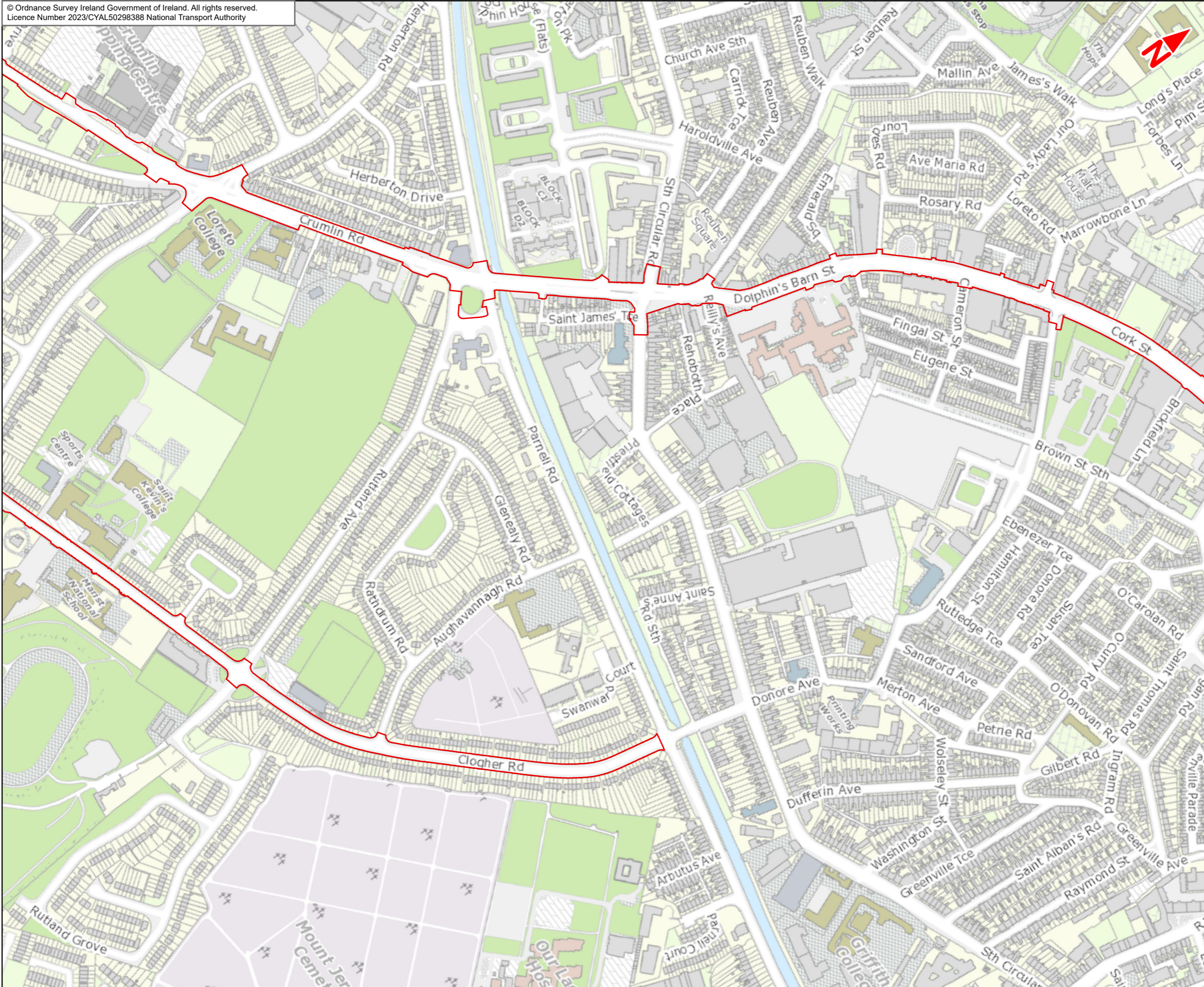
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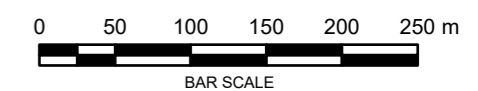
Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS	
Drawing Title Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.8 Wintering Bird Survey Results	
Drawing File Name BCIDE-JAC-ENV BD-0809_XX 00-DR-GG-0606	Sheet Number 6 of 11
Status A	Rev M01

Date 21/03/2023	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		



Legend :
 Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme

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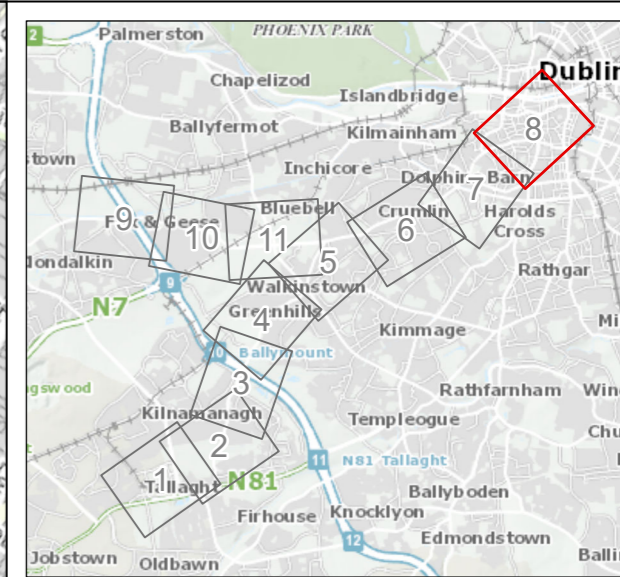
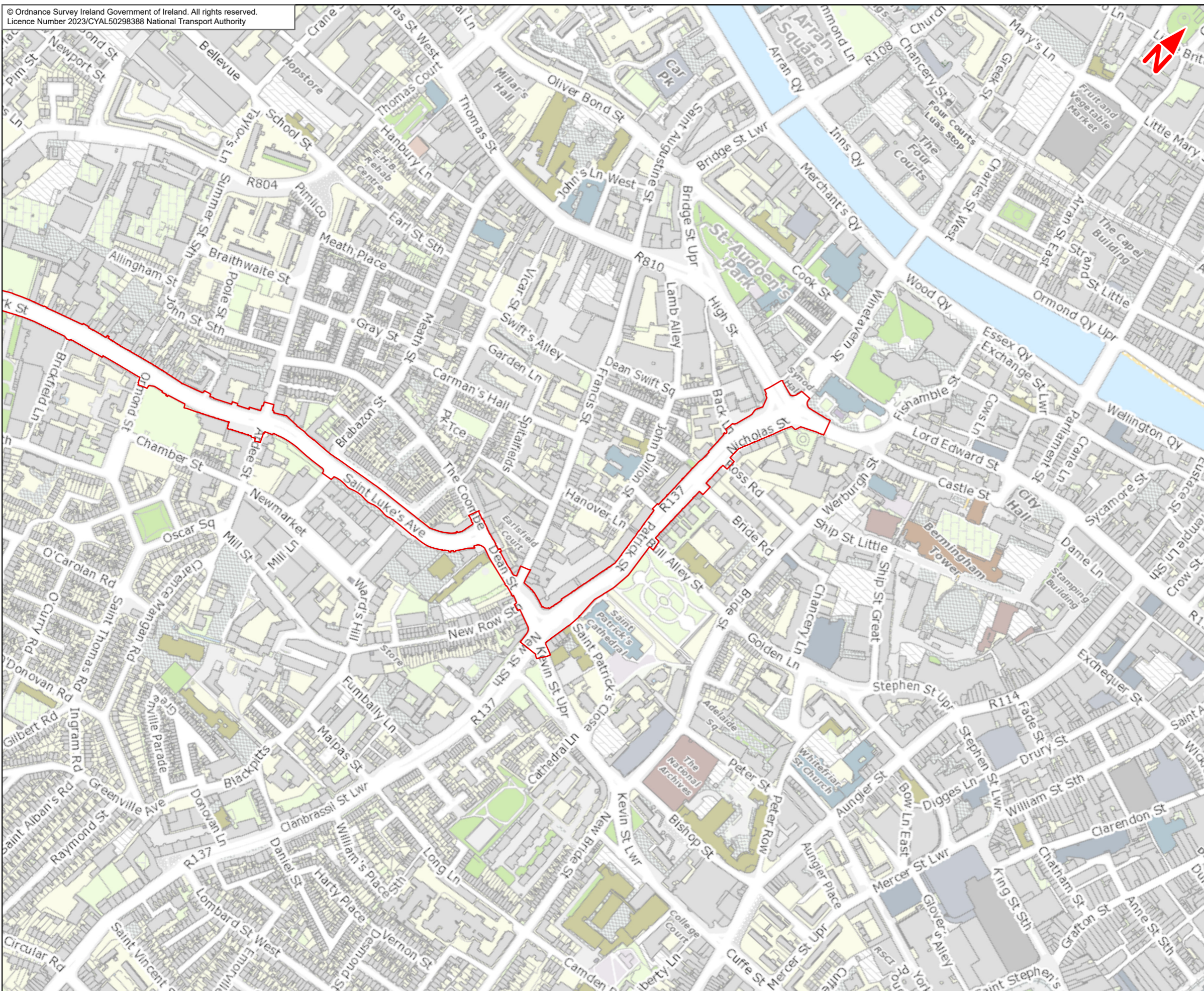
Rev	Date	Drn	Chk'd	App'd	Description
M01	Mar 2023	EK	PW	DK	ISSUE FOR PHASE 4 : PLANNING

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

Consultant: **JACOBS ARUP SYSTRA**

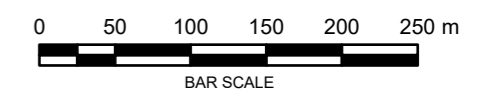
Date: 21/03/2023 Scale @ A3: 1:5 000
 Drawn: EK Checked: PW Approved: DK
 Project Code: BCIDE Originator Code: JAC QMS Code:

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.8 Wintering Bird Survey Results			
Drawing File Name: BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0607	Sheet Number: 7 of 11	Status: A	Rev: M01



Legend :
 Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme

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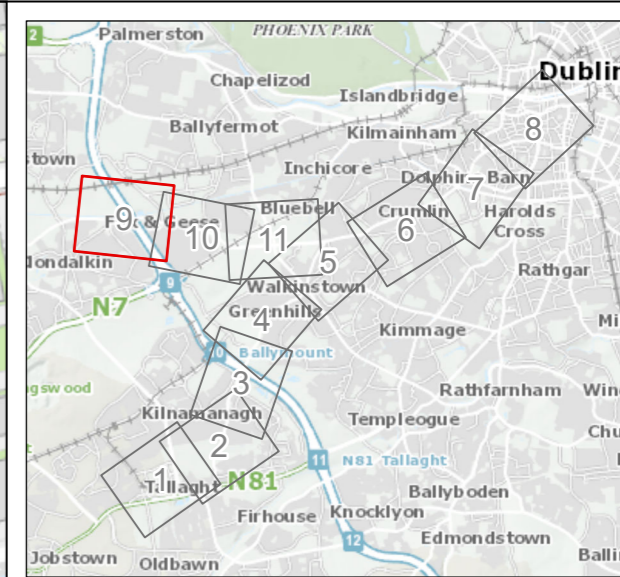
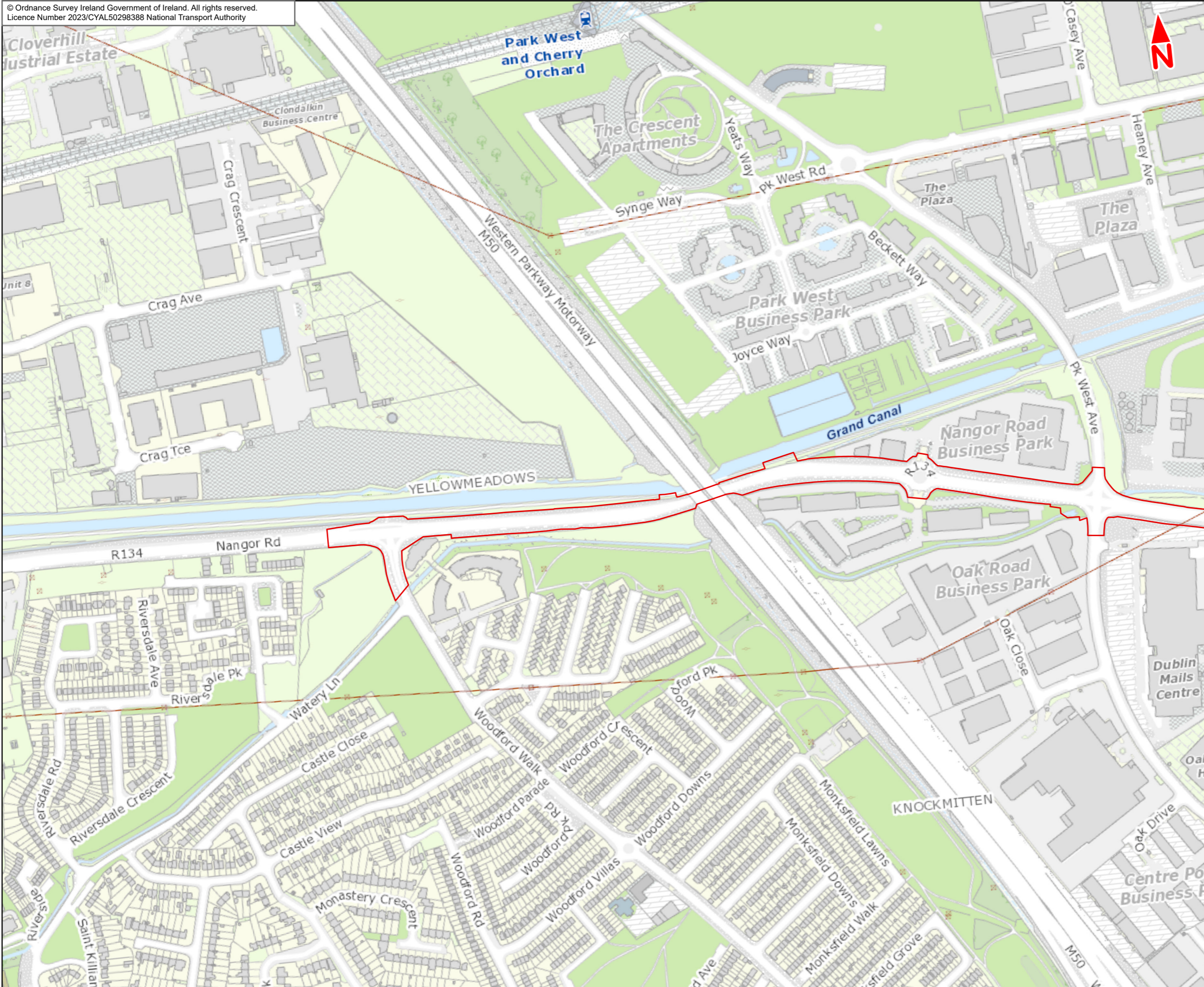
Rev	Date	Drn	Chk'd	App'd	Description
M01	Mar 2023	EK	PW	DK	ISSUE FOR PHASE 4 : PLANNING

Client
NTA
 Udarás Náisiúnta Iompair
 National Transport Authority

Consultant
JACOBS
ARUP SYSTRA

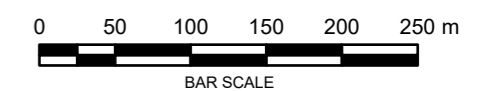
Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.8 Wintering Bird Survey Results			
Drawing File Name BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0608	Sheet Number 8 of 11	Status A	Rev M01

Date 21/03/2023	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		



Legend :
 Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme

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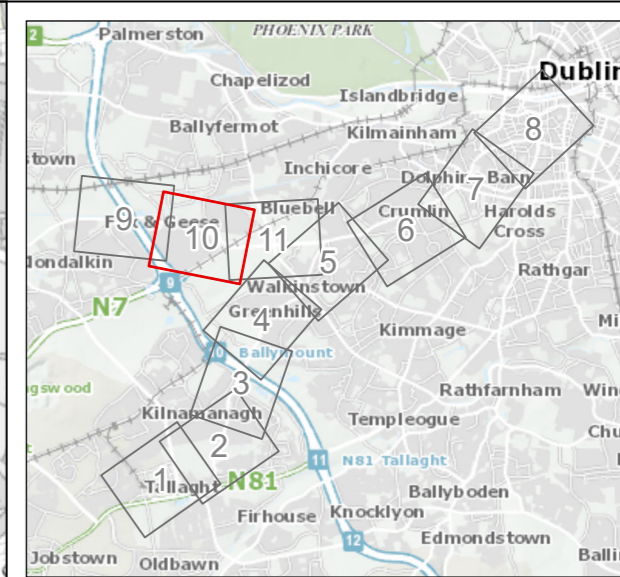
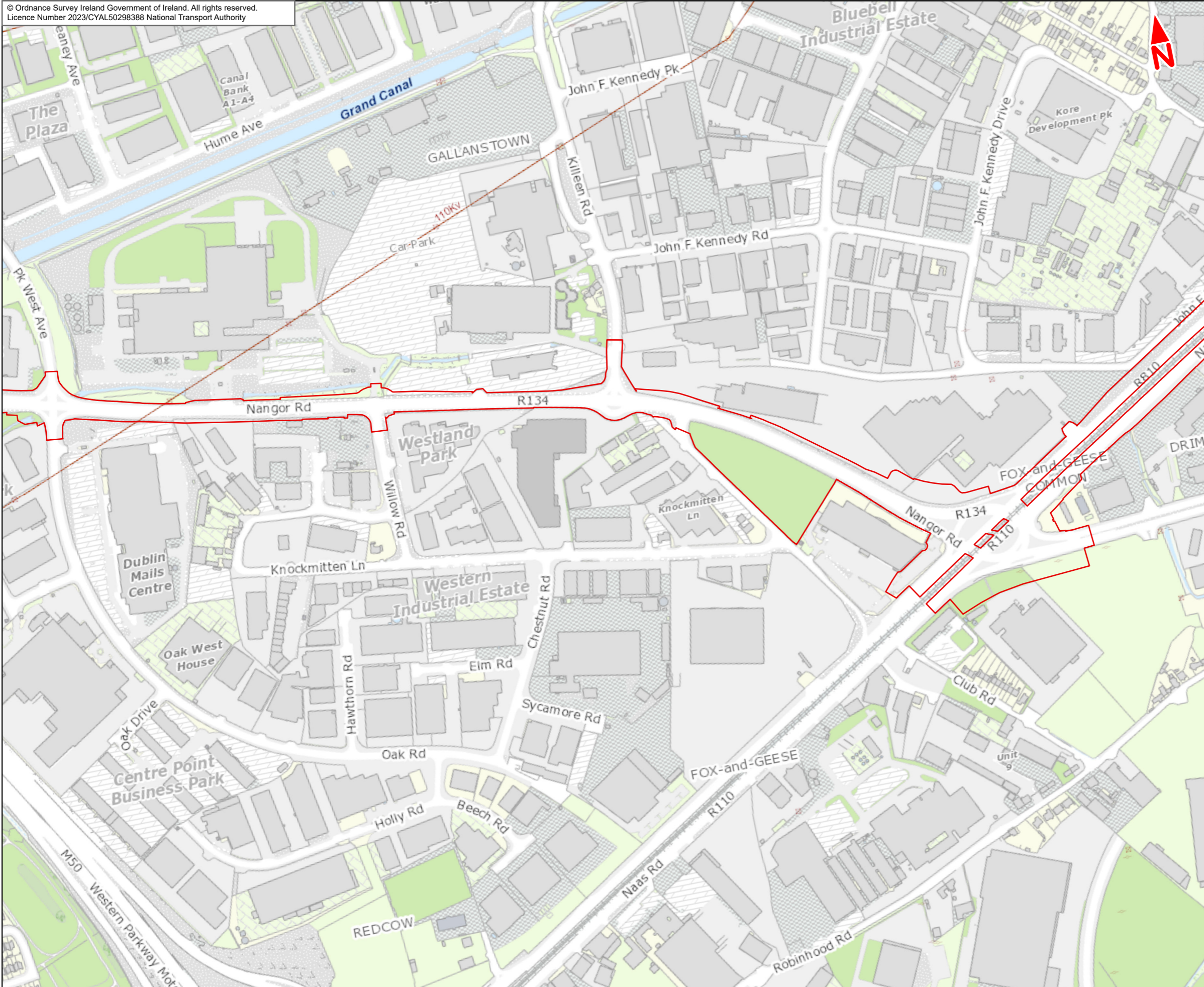
Consultant: **JACOBS ARUP SYSTRA**

Date: 21/03/2023
Scale @ A3: 1:5 000

Project Code: BCIDE
Originator Code: JAC

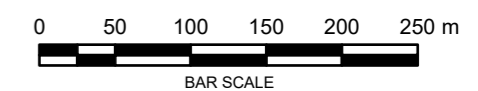
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Checked: PW
Approved: DK

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.8 Wintering Bird Survey Results			
Drawing File Name: BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0609	Sheet Number: 9 of 11	Status: A	Rev: M01



Legend :
 Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme

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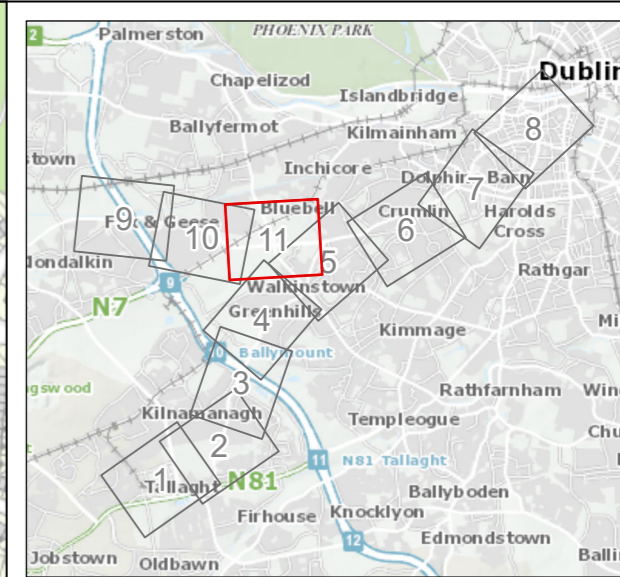
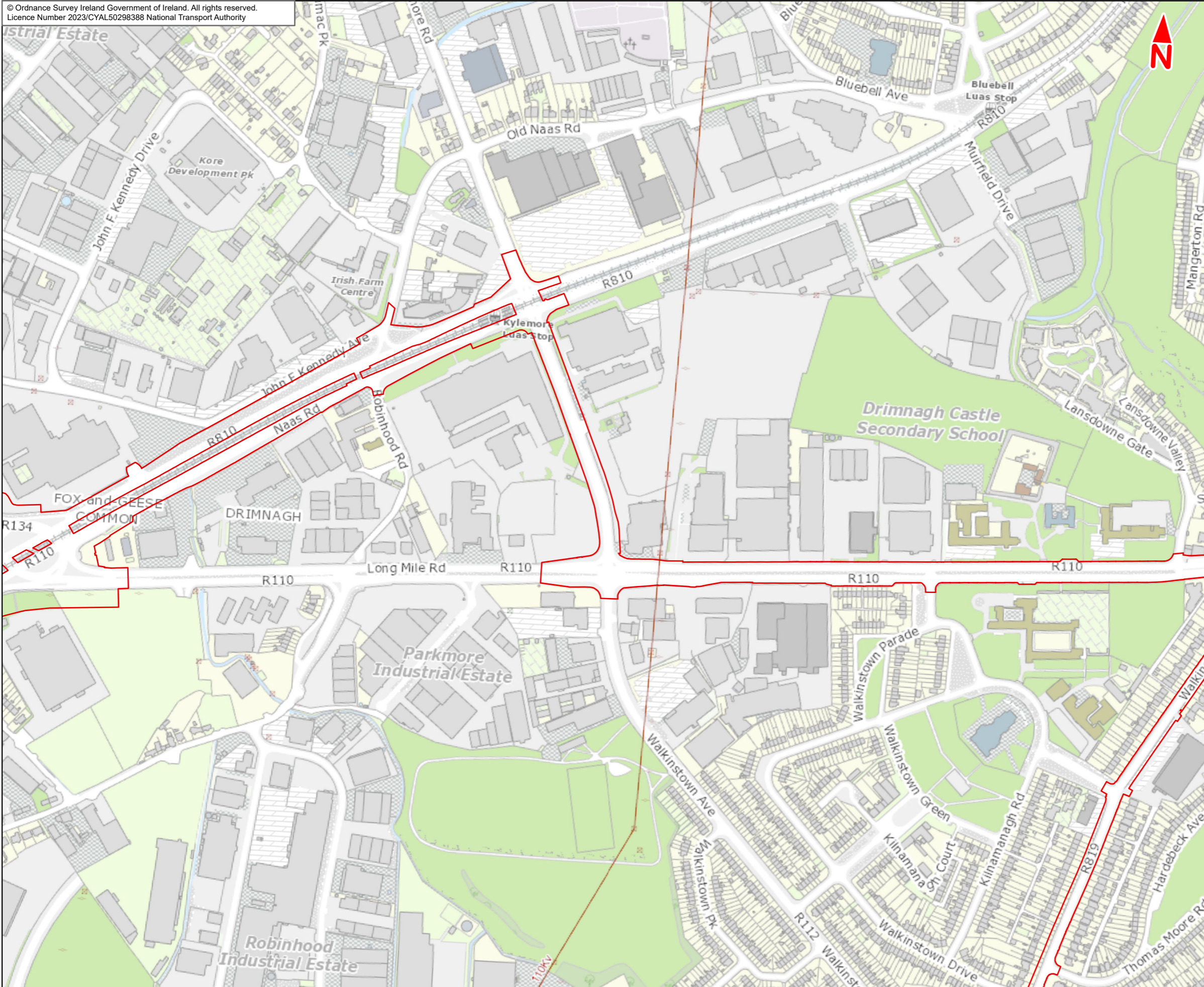
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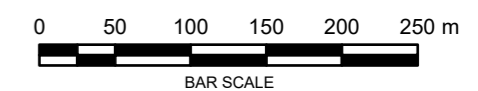
Client NTA Udarás Náisiúnta Iompair National Transport Authority		Consultant JACOBS ARUP SYSTRA		
Date 21/03/2023	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.8 Wintering Bird Survey Results				
Drawing File Name BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0610	Sheet Number 10 of 11	Status A	Rev M01	



Legend :
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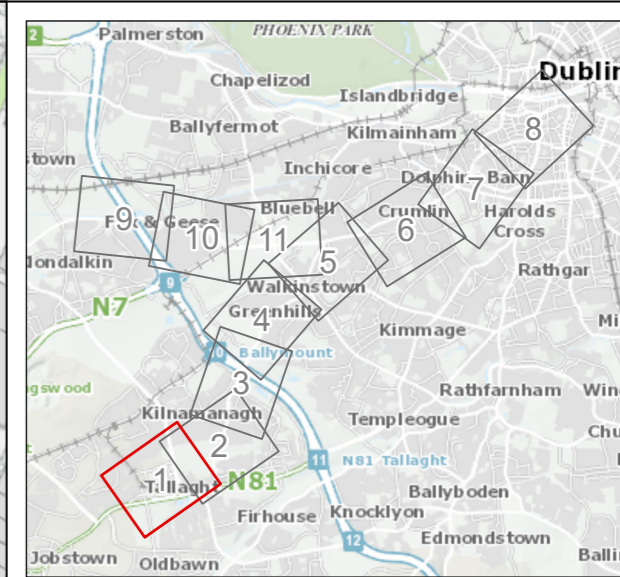
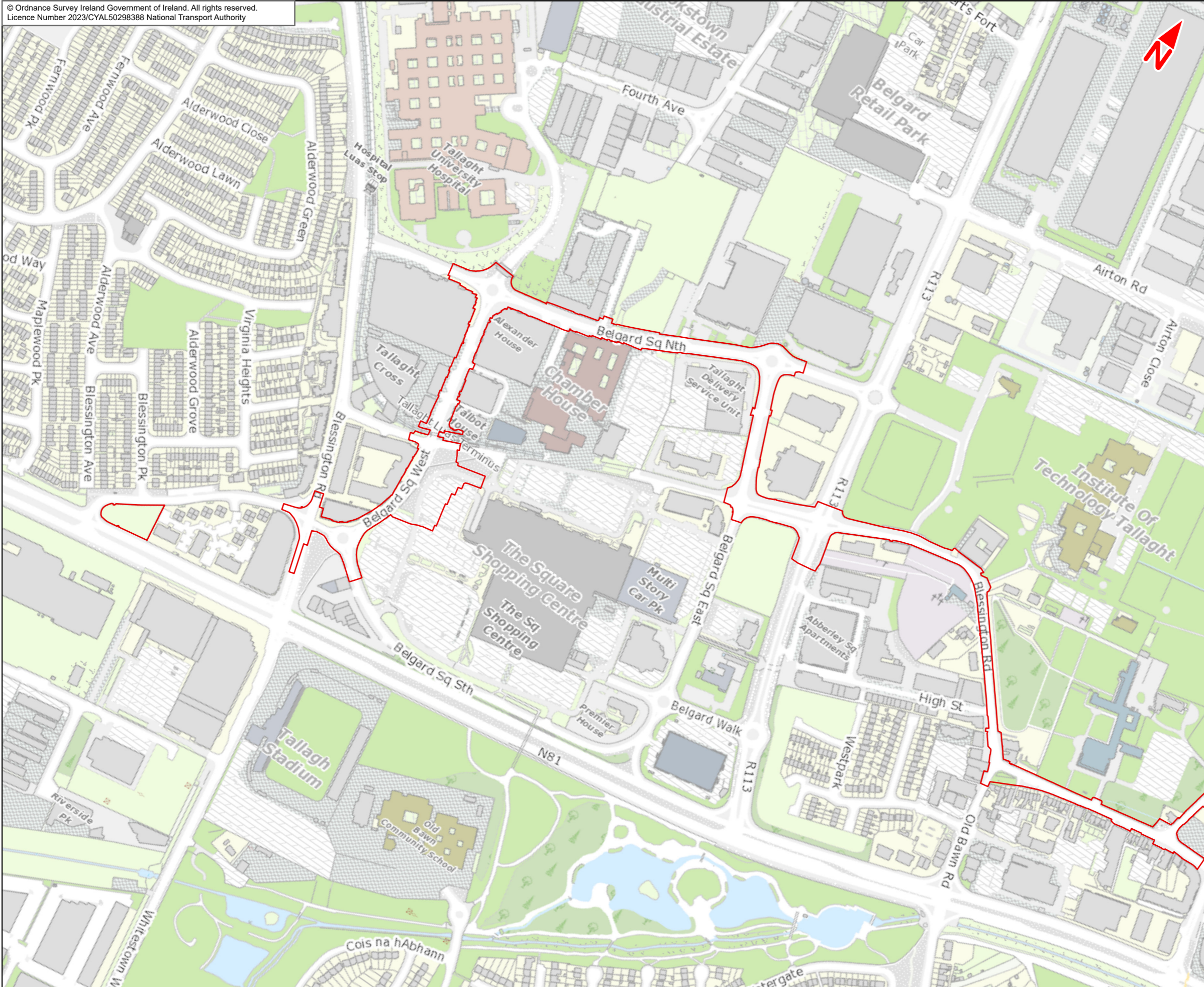
Consultant: **JACOBS ARUP SYSTRA**

Date: 21/03/2023 | Scale @ A3: 1:5 000
 Drawn: EK | Checked: PW | Approved: DK
 Project Code: BCIDE | Originator Code: JAC | QMS Code:

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.8 Wintering Bird Survey Results			
Drawing File Name: BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0611	Sheet Number: 11 of 11	Status: A	Rev: M01

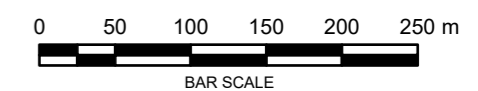
The background features a vibrant yellow field with abstract, overlapping shapes in dark blue, teal, and light blue. Several white circles of varying sizes are scattered throughout, some appearing as if they are cutouts or holes in the design. The shapes are rounded and elongated, creating a dynamic, modern aesthetic.

12.9
Mammal, Aquatic and Riparian
Survey Results



Legend :
 Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme

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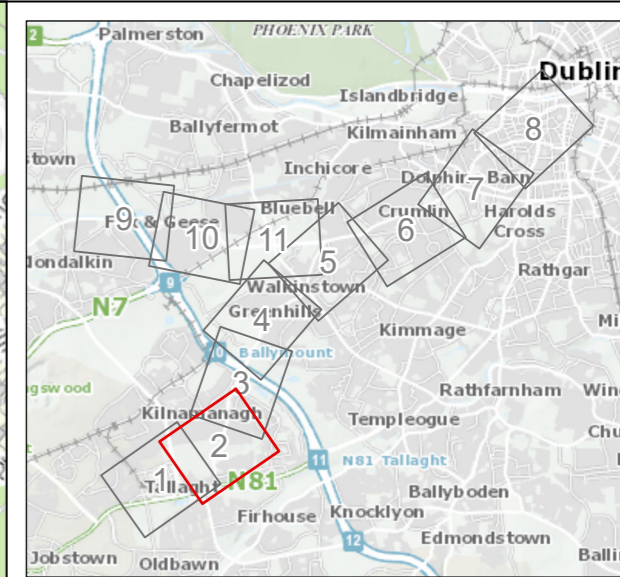
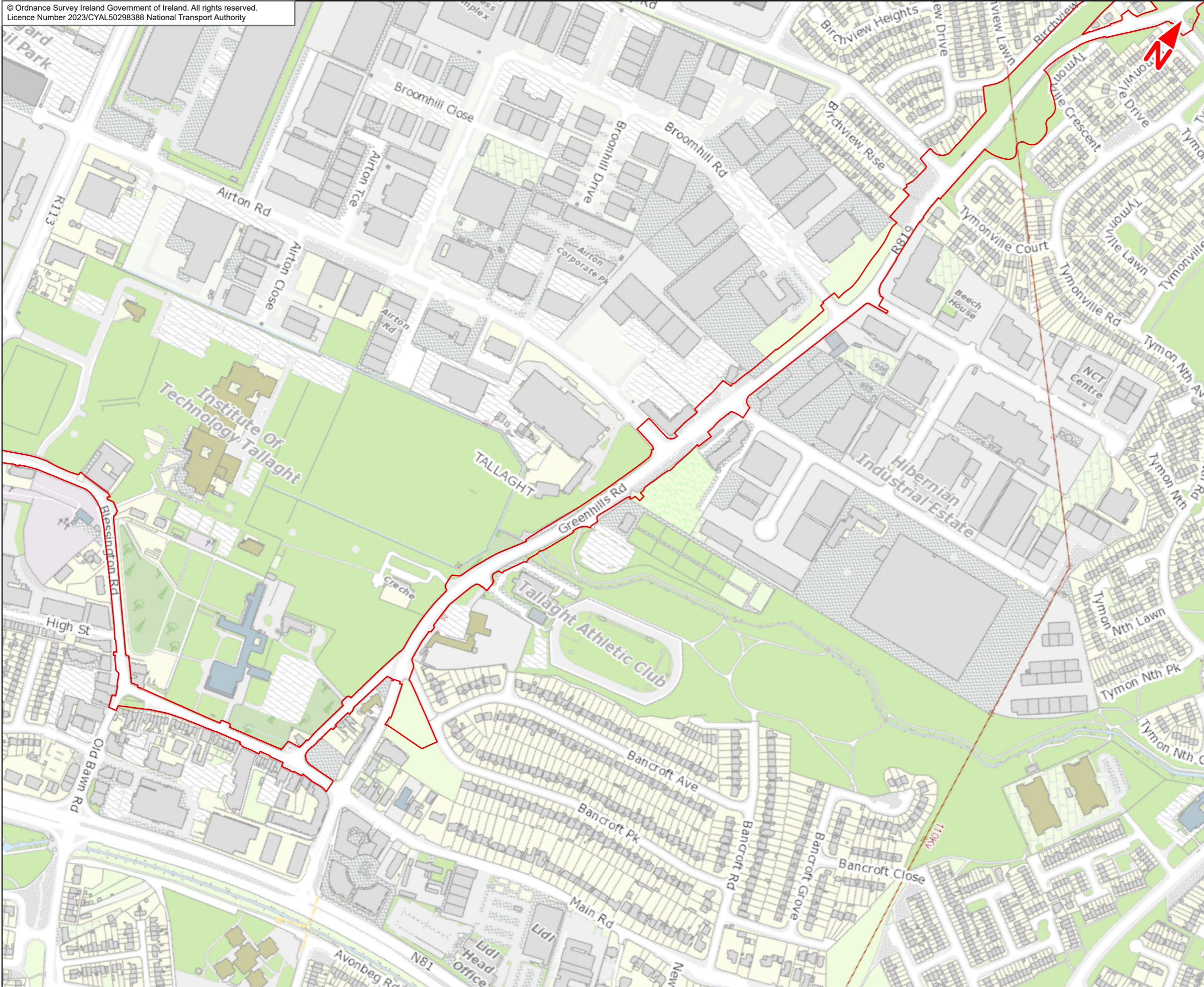
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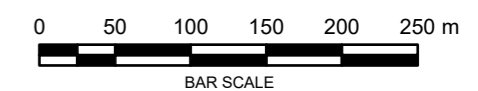
Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.9 Mammal, Aquatic, and Riparian Survey Results				
Drawing File Name BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0801	Sheet Number 1 of 11	Status A	Rev M01	

Date 22/03/2023	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		



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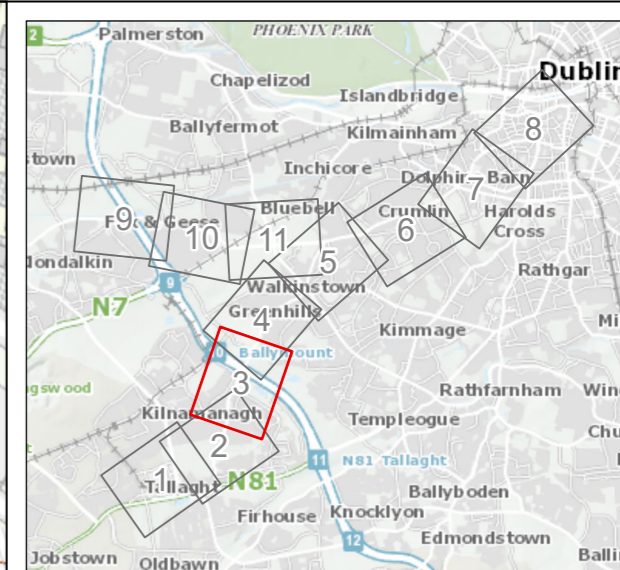
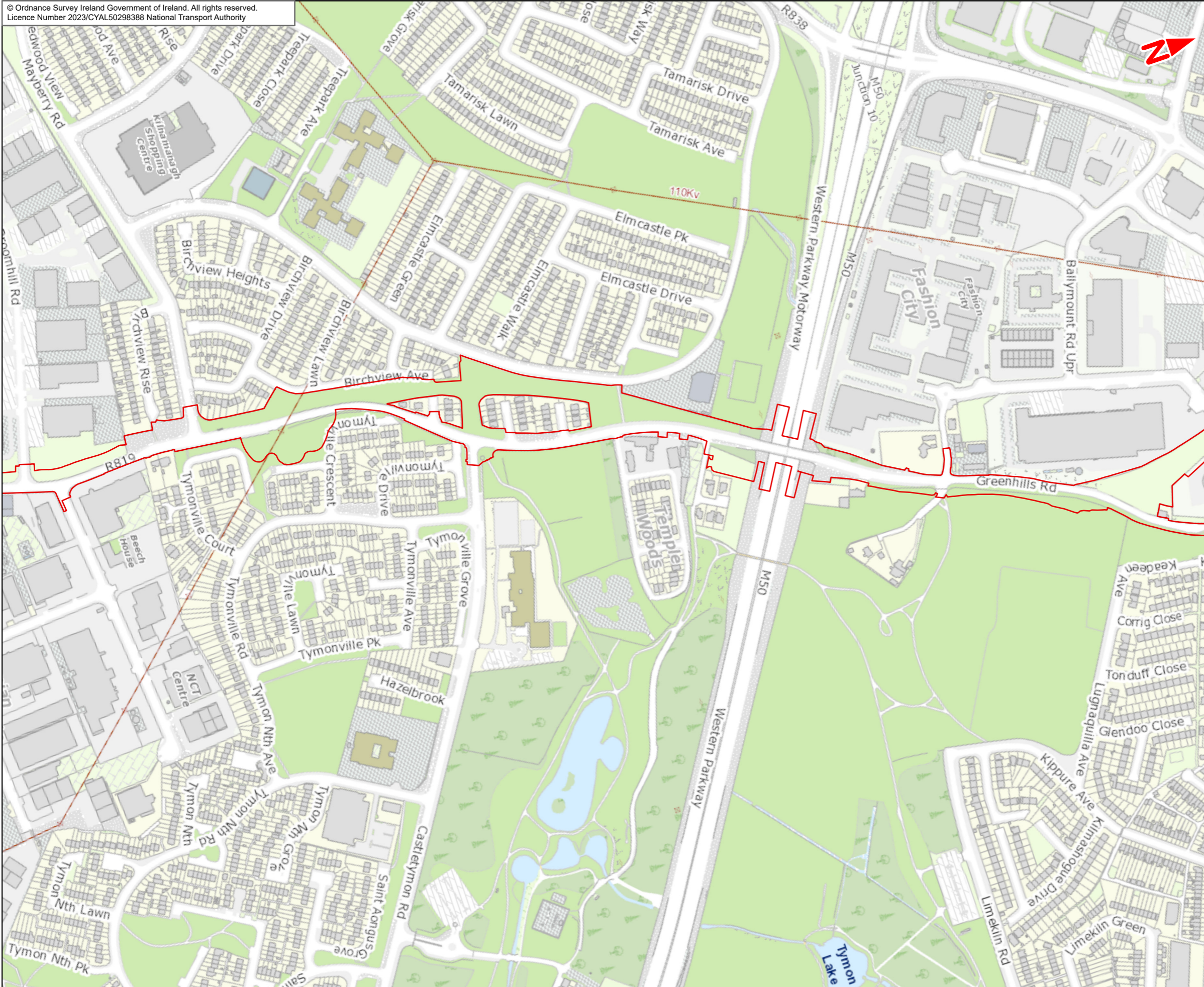
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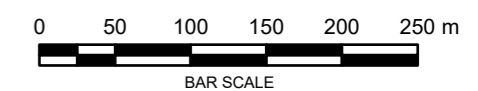
Client NTA Udarás Náisiúnta Iompair National Transport Authority		Consultant JACOBS ARUP SYSTRA		
Date 22/03/2023	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.9 Mammal, Aquatic, and Riparian Survey Results				
Drawing File Name BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0802	Sheet Number 2 of 11	Status A	Rev M01	



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Consultant: **JACOBS ARUP SYSTRA**

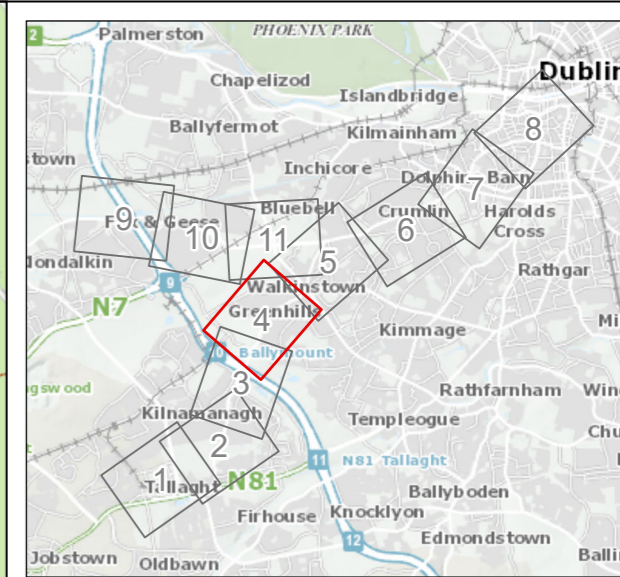
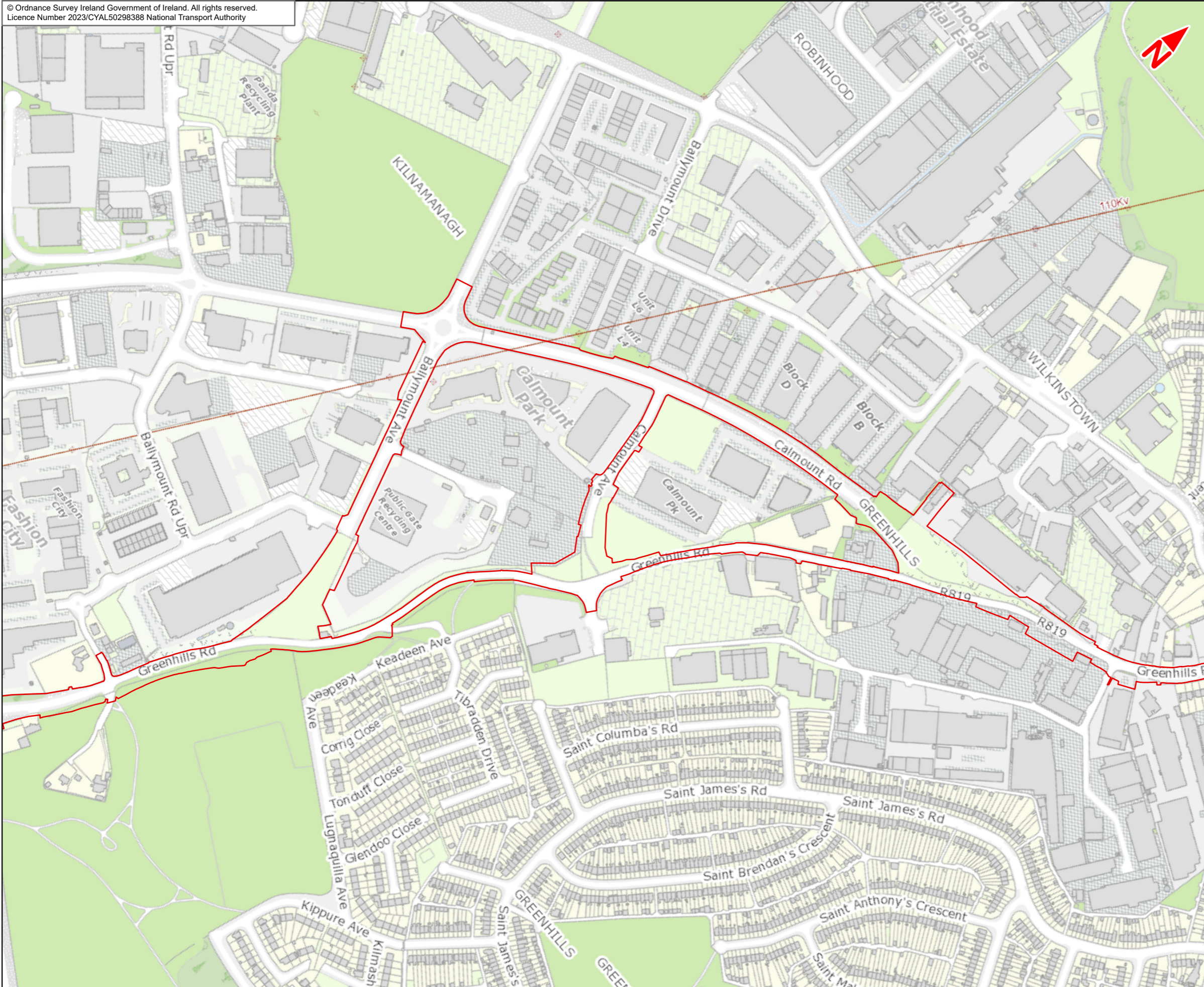
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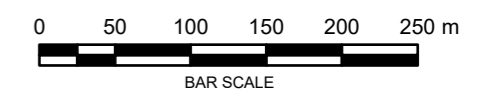
QMS Code: _____

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.9 Mammal, Aquatic, and Riparian Survey Results			
Drawing File Name: BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0803	Sheet Number: 3 of 11	Status: A	Rev: M01



Legend :
 Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme

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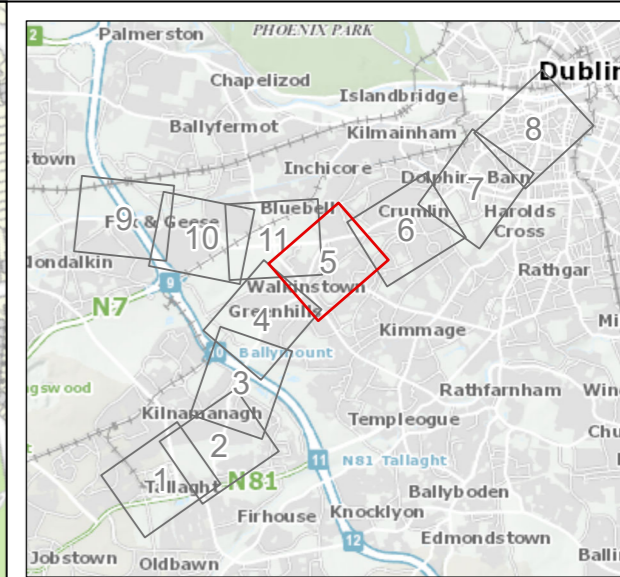
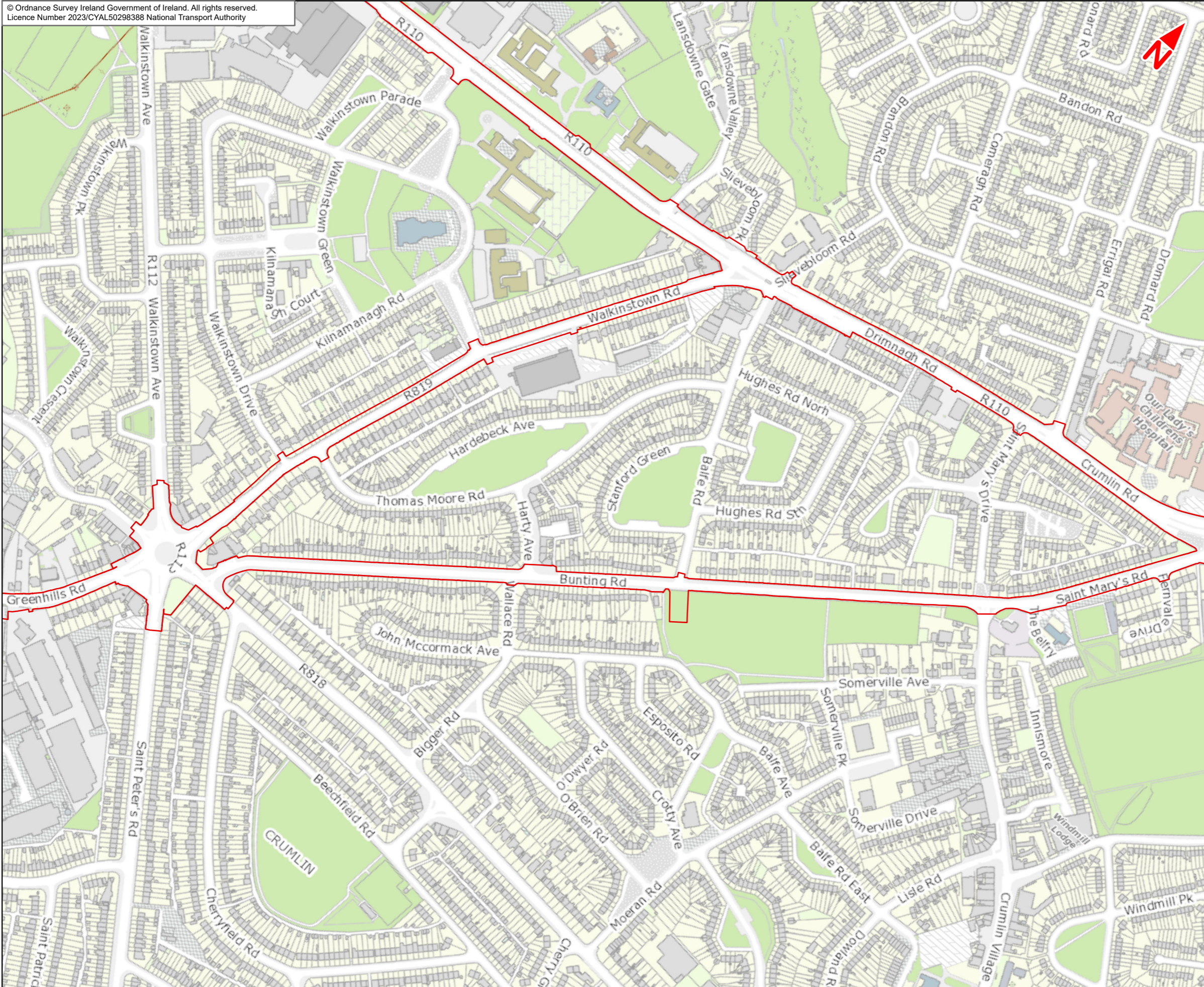
Rev	Date	Drn	Chk'd	App'd	Description
M01	Mar 2023	EK	PW	DK	ISSUE FOR PHASE 4 : PLANNING

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

Consultant: **JACOBS ARUP SYSTRA**

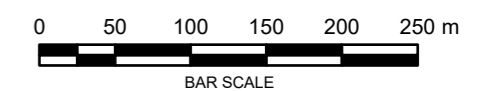
Date: 22/03/2023 | Scale @ A3: 1:5 000
 Drawn: EK | Checked: PW | Approved: DK
 Project Code: BCIDE | Originator Code: JAC | QMS Code:

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.9 Mammal, Aquatic, and Riparian Survey Results			
Drawing File Name: BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0804	Sheet Number: 4 of 11	Status: A	Rev: M01



Legend :
 Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme

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Client: **NTA**
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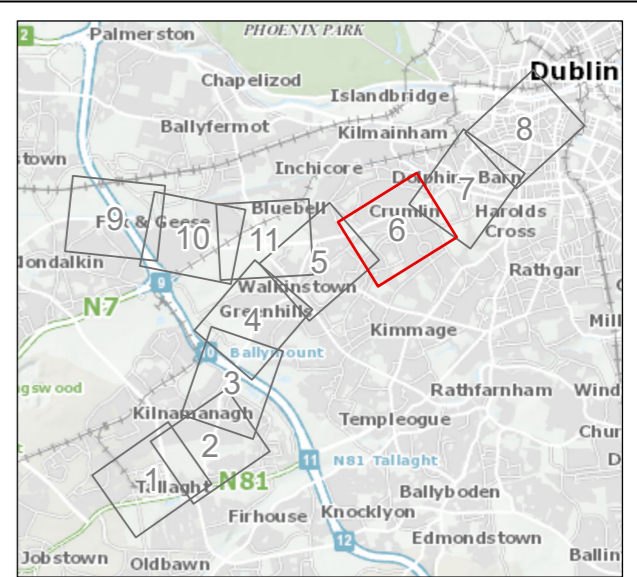
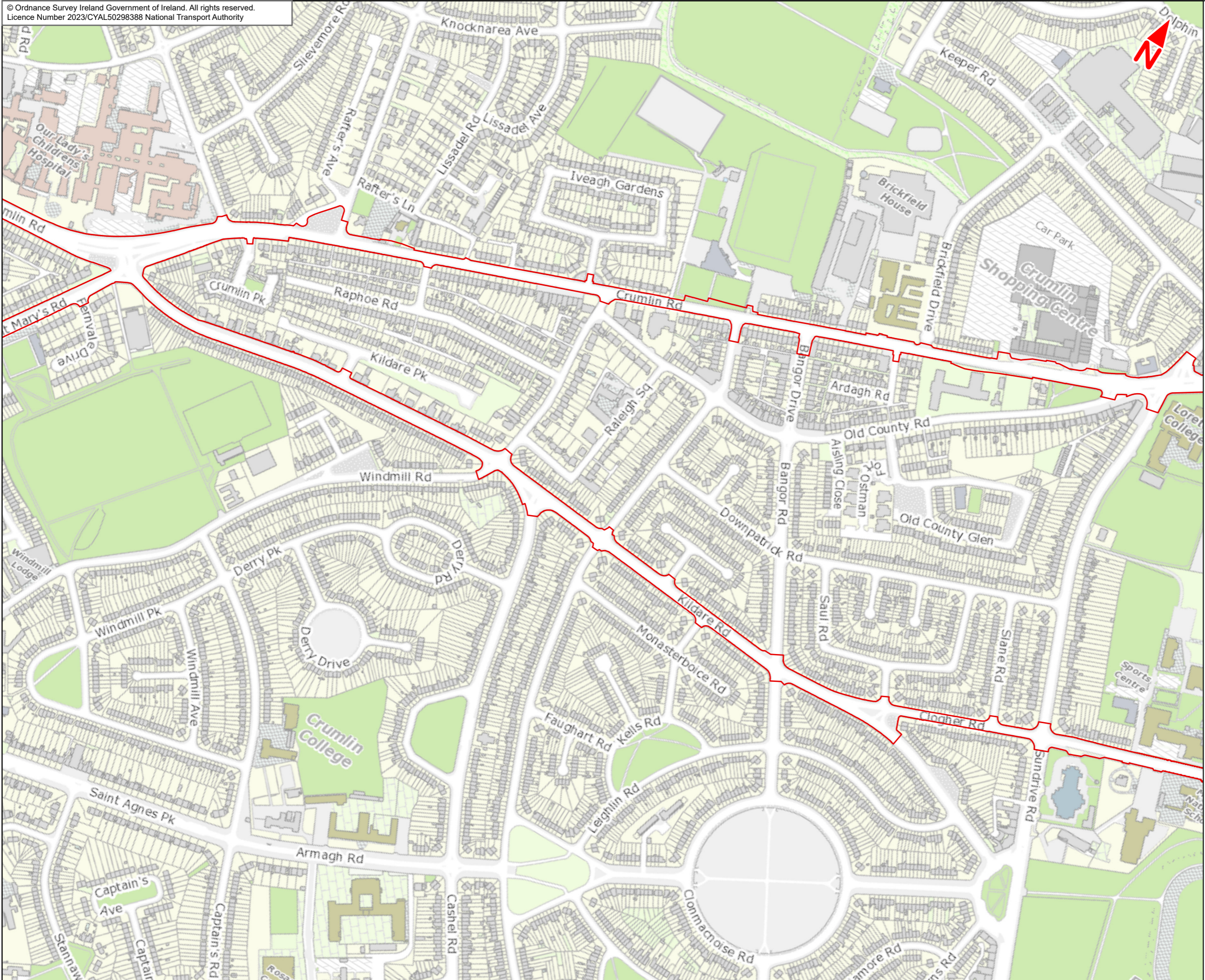
Consultant: **JACOBS ARUP SYSTRA**

Date: 22/03/2023
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Project Code: BCIDE
Originator Code: JAC

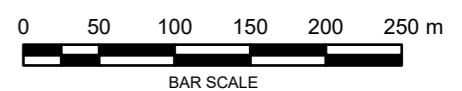
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Checked: PW
Approved: DK

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.9 Mammal, Aquatic, and Riparian Survey Results			
Drawing File Name: BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0805	Sheet Number: 5 of 11	Status: A	Rev: M01



Legend :
 Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme

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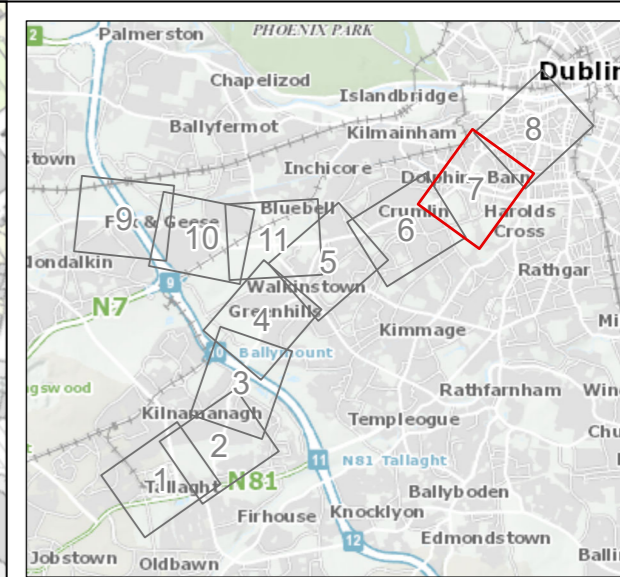
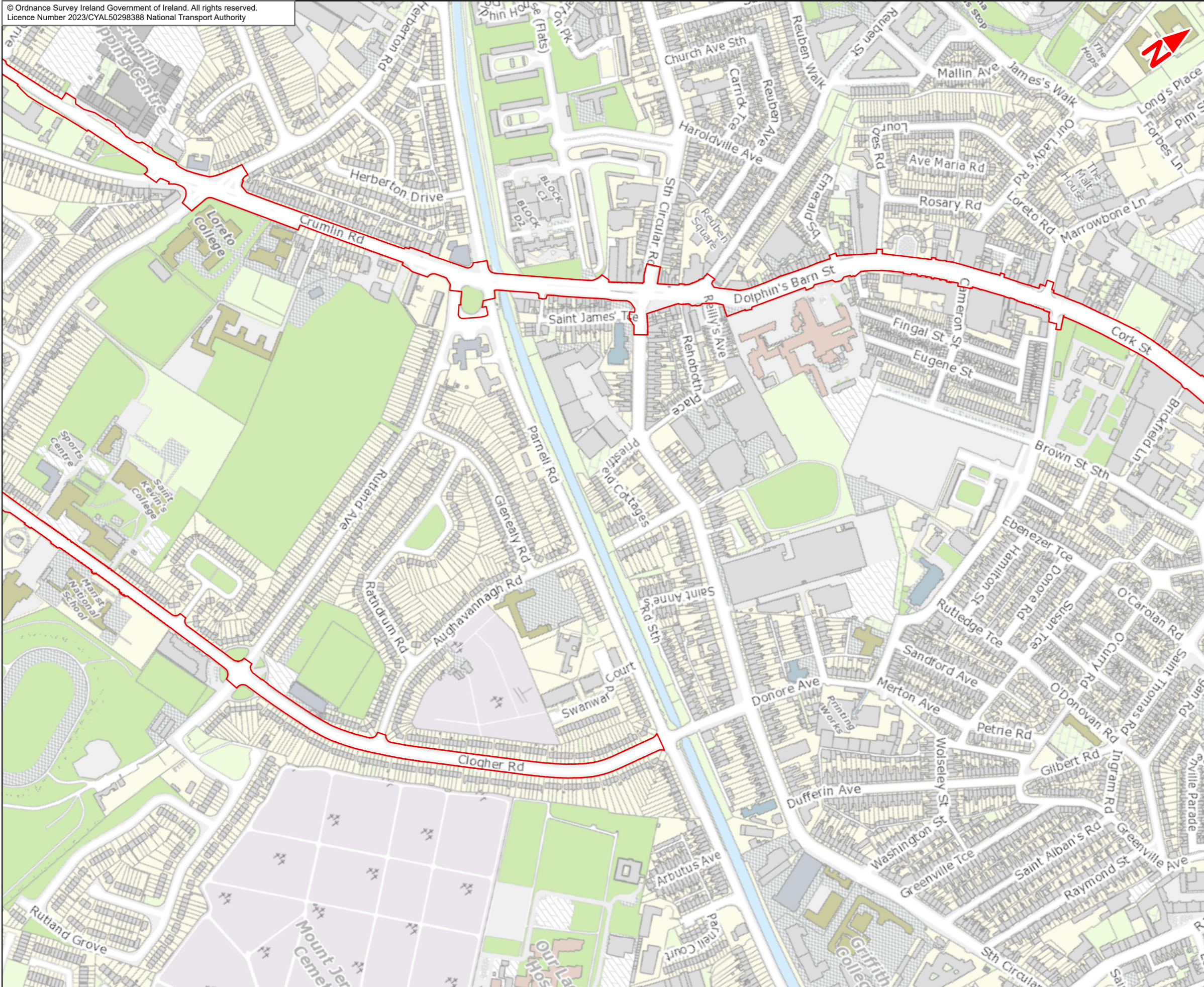
Rev	Date	Drn	Chk'd	App'd	Description
M01	Mar 2023	EK	PW	DK	ISSUE FOR PHASE 4 : PLANNING

Client
NTA
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Consultant
JACOBS
ARUP SYSTRA

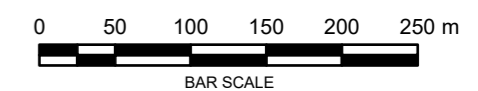
Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.9 Mammal, Aquatic, and Riparian Survey Results			
Drawing File Name BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0806	Sheet Number 6 of 11	Status A	Rev M01

Date 22/03/2023	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		



Legend :
 Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme

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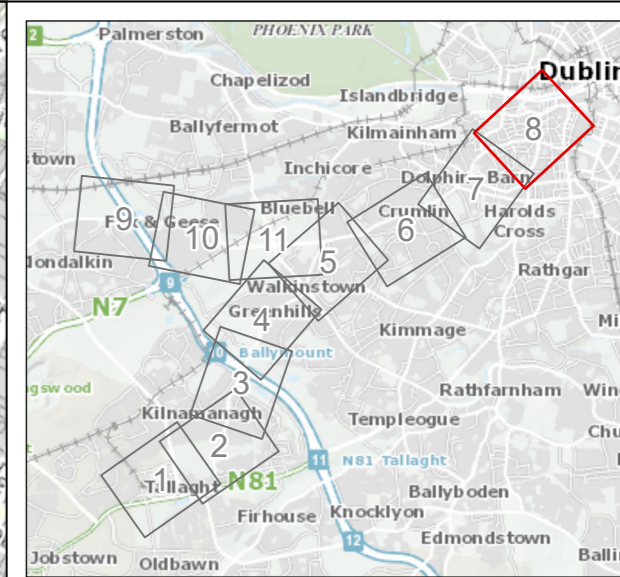
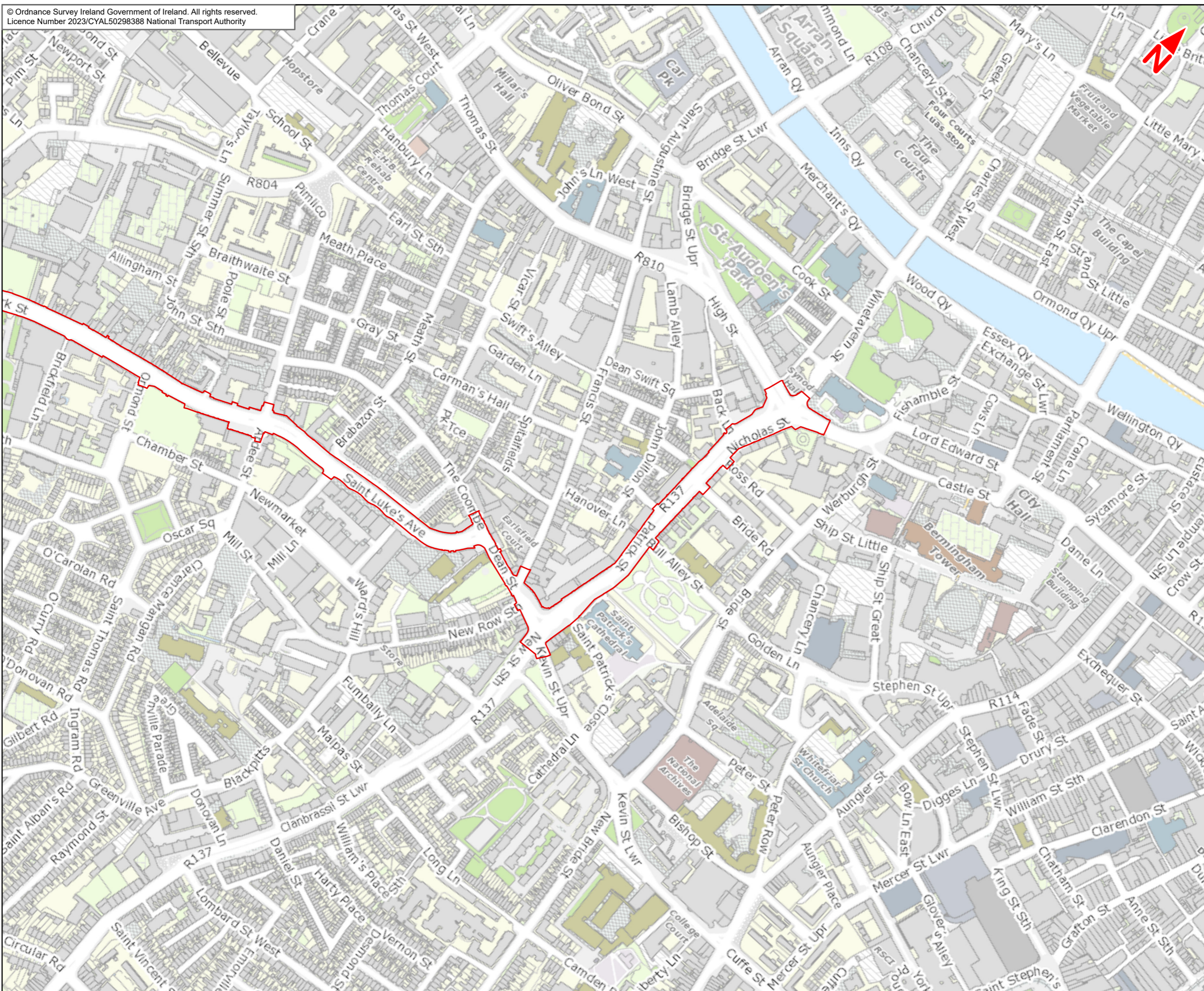
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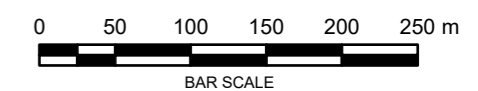
Client NTA Udarás Náisiúnta Iompair National Transport Authority		Consultant JACOBS ARUP SYSTRA		
Date 22/03/2023	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.9 Mammal, Aquatic, and Riparian Survey Results				
Drawing File Name BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0807	Sheet Number 7 of 11	Status A	Rev M01	



Legend :
 Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme

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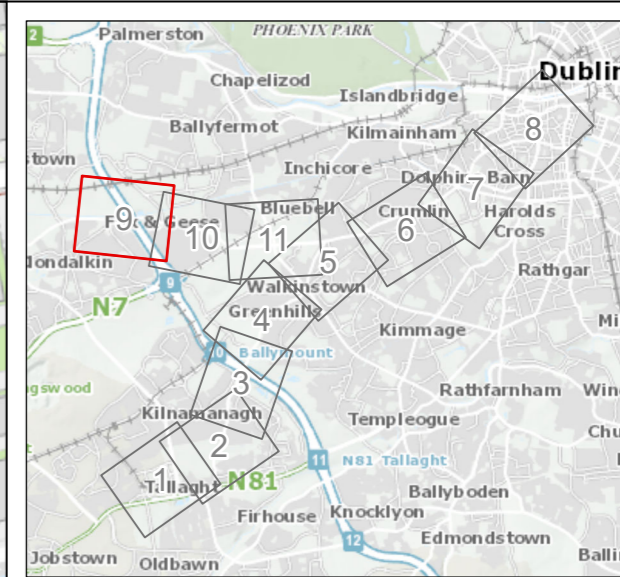
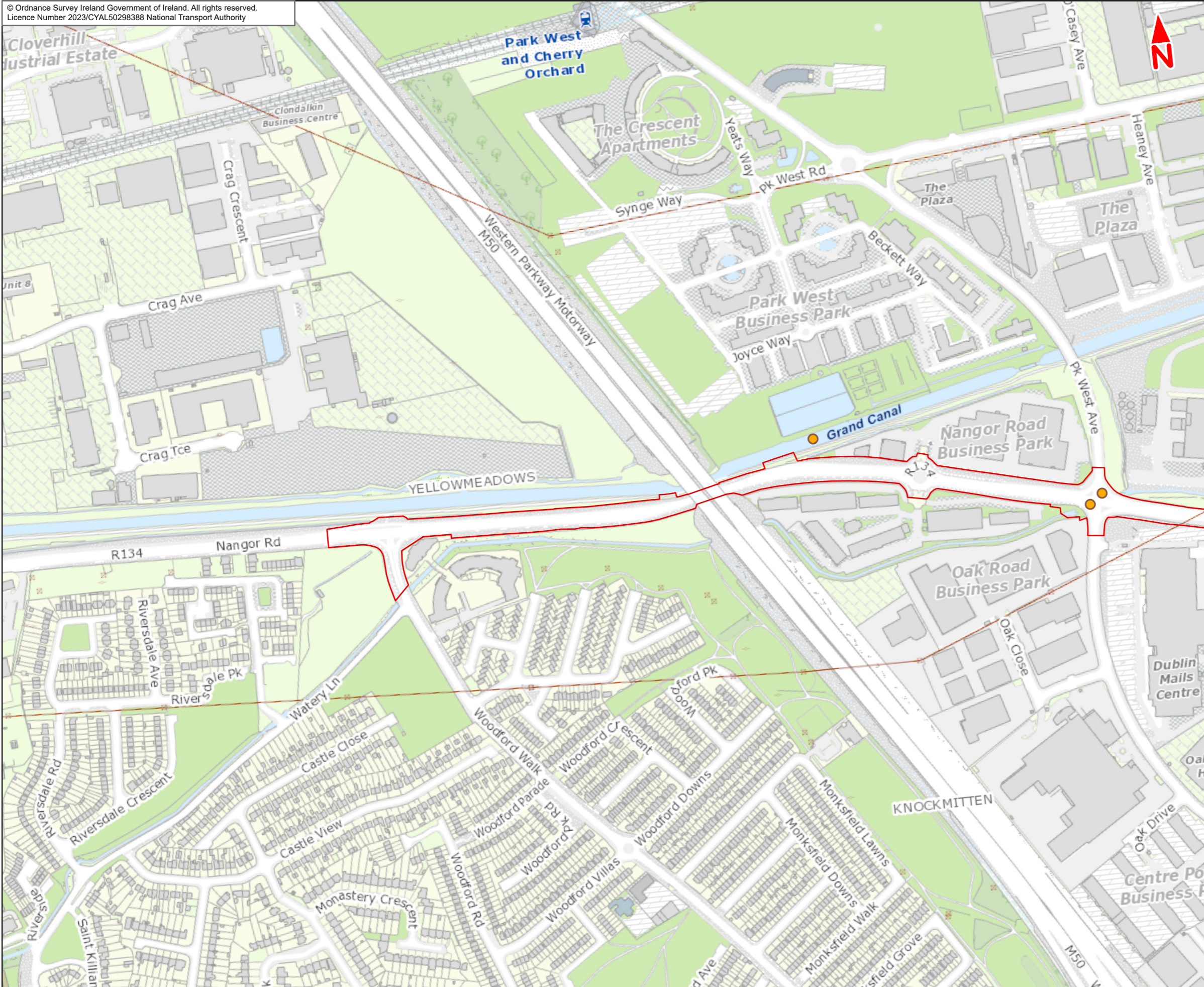
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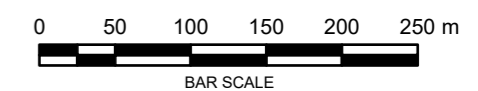
Client NTA Udarás Náisiúnta Iompair National Transport Authority		Consultant JACOBS ARUP SYSTRA		
Date 22/03/2023	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.9 Mammal, Aquatic, and Riparian Survey Results				
Drawing File Name BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0808	Sheet Number 8 of 11	Status A	Rev M01	



- Legend :**
- Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme
 - Otter Signs

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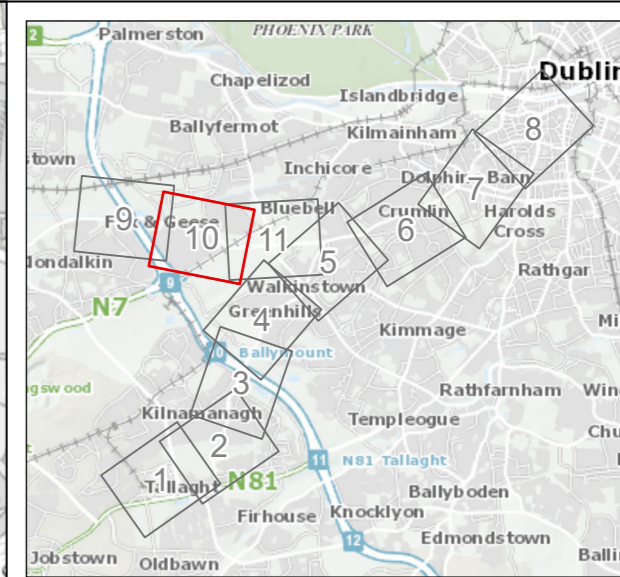
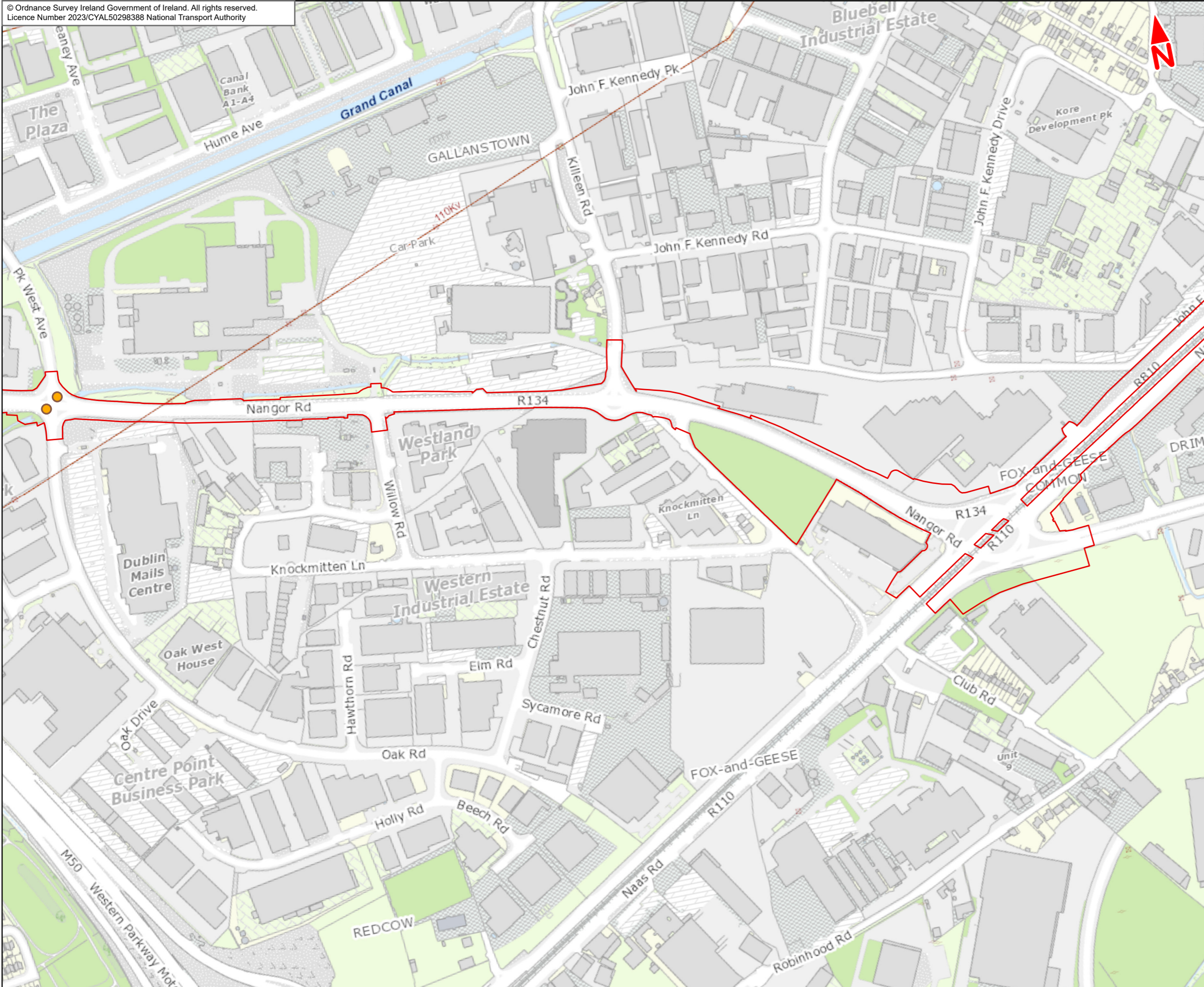
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Consultant
JACOBS ARUP SYSTRA

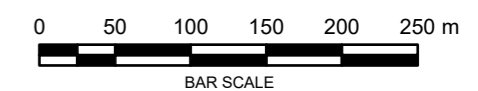
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Drawing Title Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.9 Mammal, Aquatic, and Riparian Survey Results				
Drawing File Name BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0809	Sheet Number 9 of 11	Status A	Rev M01	

Date 22/03/2023	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		



- Legend :**
- Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme
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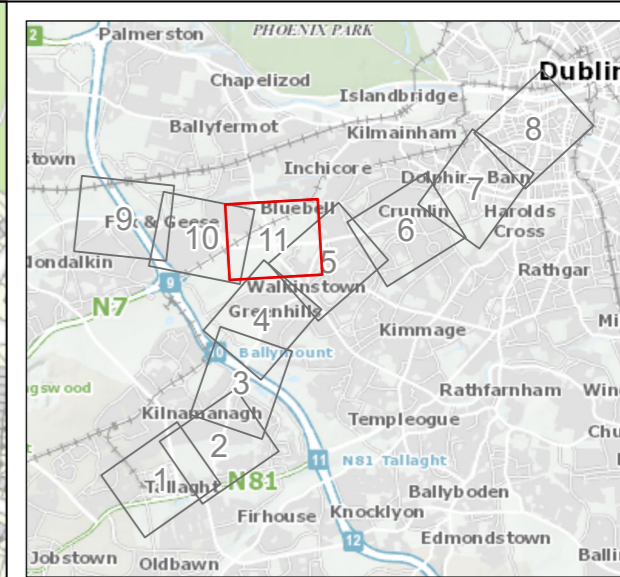
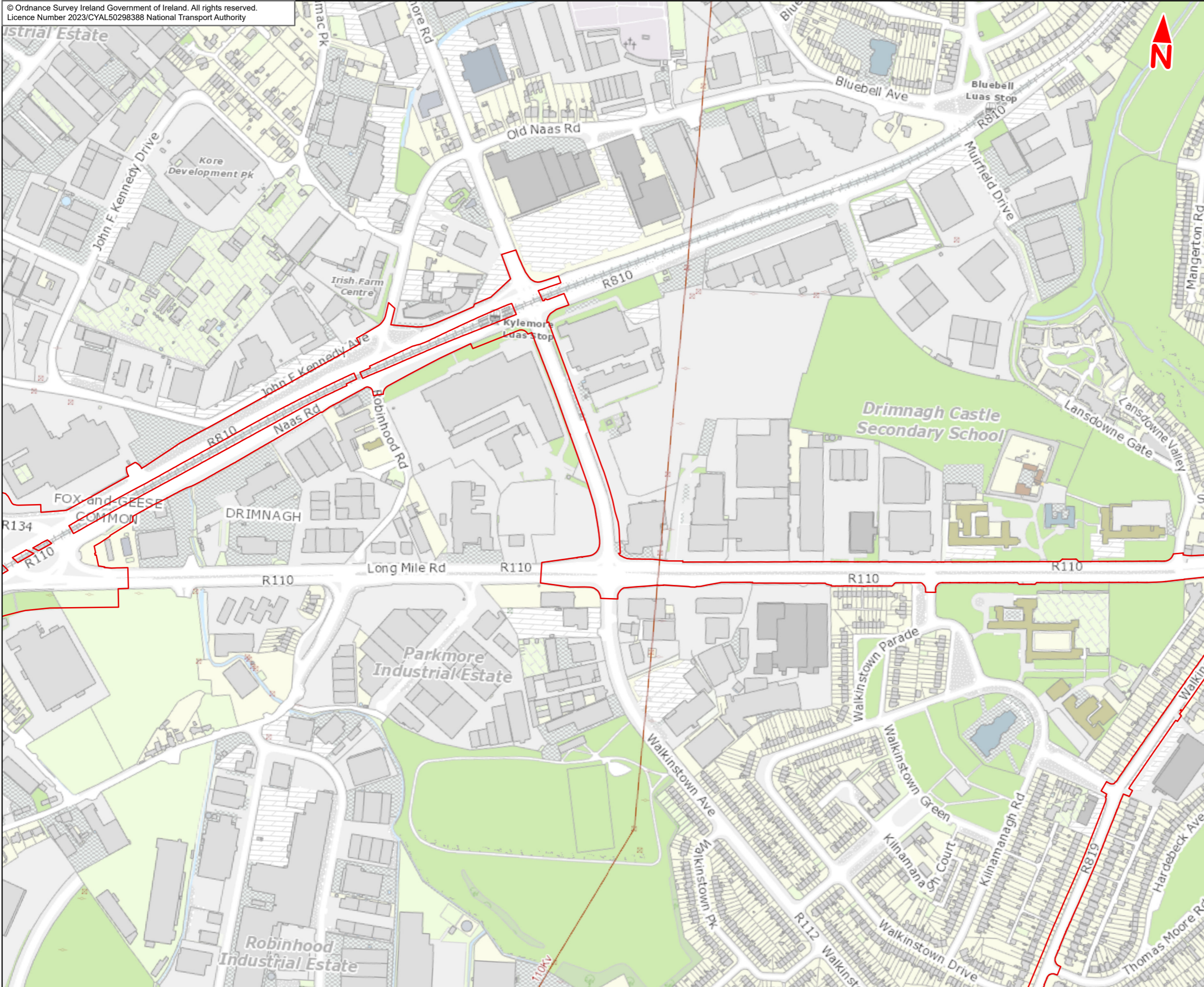
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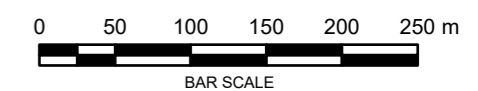
Client NTA Udarás Náisiúnta Iompair National Transport Authority		Consultant JACOBS ARUP SYSTRA		
Date 22/03/2023	Scale @ A3 1:5 000	Drawn EK	Checked PW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.9 Mammal, Aquatic, and Riparian Survey Results				
Drawing File Name BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0810	Sheet Number 10 of 11	Status A	Rev M01	



Legend :
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Consultant: **JACOBS ARUP SYSTRA**

Date: 22/03/2023 | Scale @ A3: 1:5 000
 Drawn: EK | Checked: PW | Approved: DK
 Project Code: BCIDE | Originator Code: JAC | QMS Code:

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Drawing Title: Tallaght / Clondalkin to City Centre Core Bus Corridor Scheme Figure 12.9 Mammal, Aquatic, and Riparian Survey Results			
Drawing File Name: BCIDE-JAC-ENV BD-0809_XX_00-DR-GG-0811	Sheet Number: 11 of 11	Status: A	Rev: M01