



**UNIVERSITY OF
CAMBRIDGE**

12.7

FIGURE

Traffic & Transport
Route of Cambridgeshire Guided Busway

TITLE

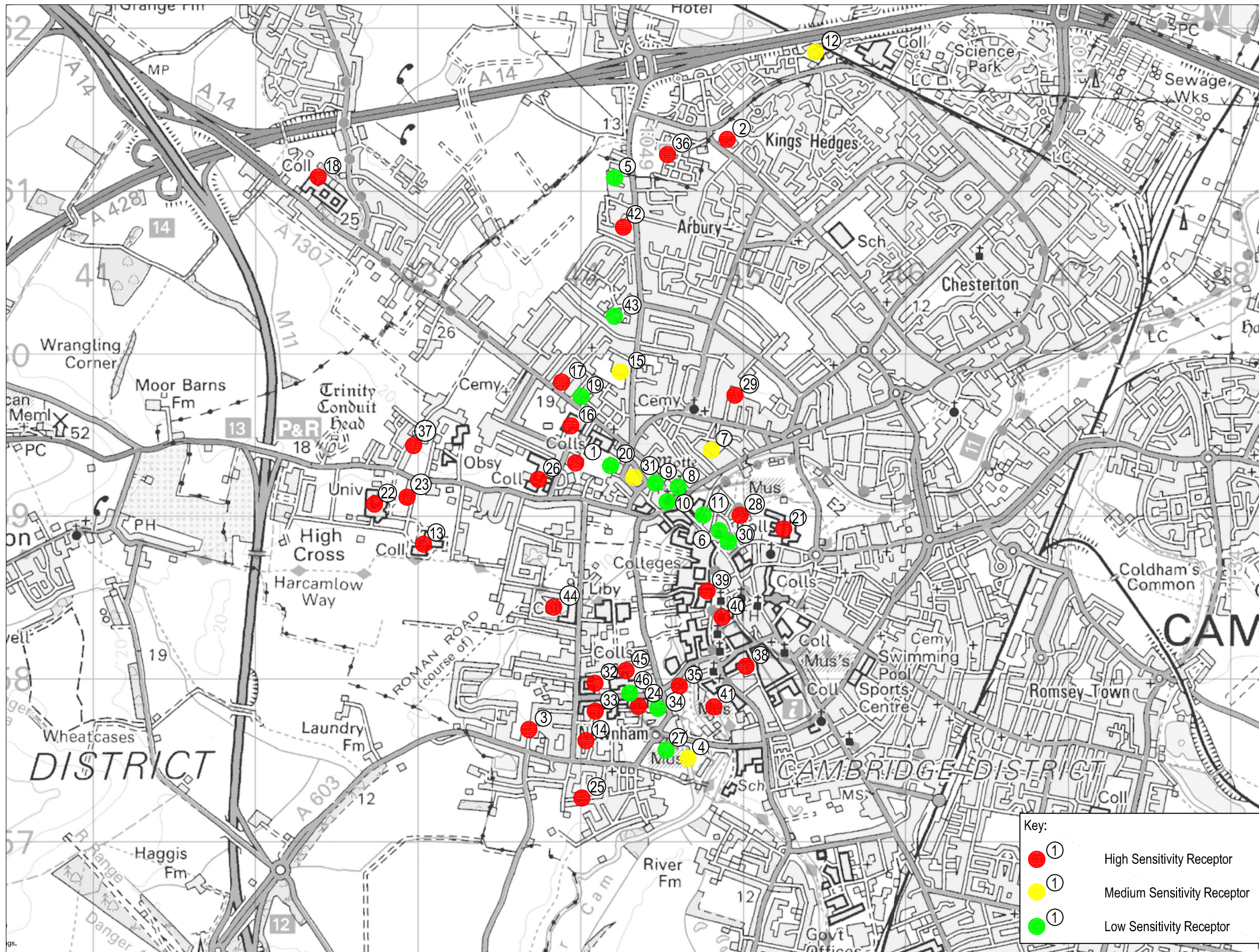
NTS

SCALE

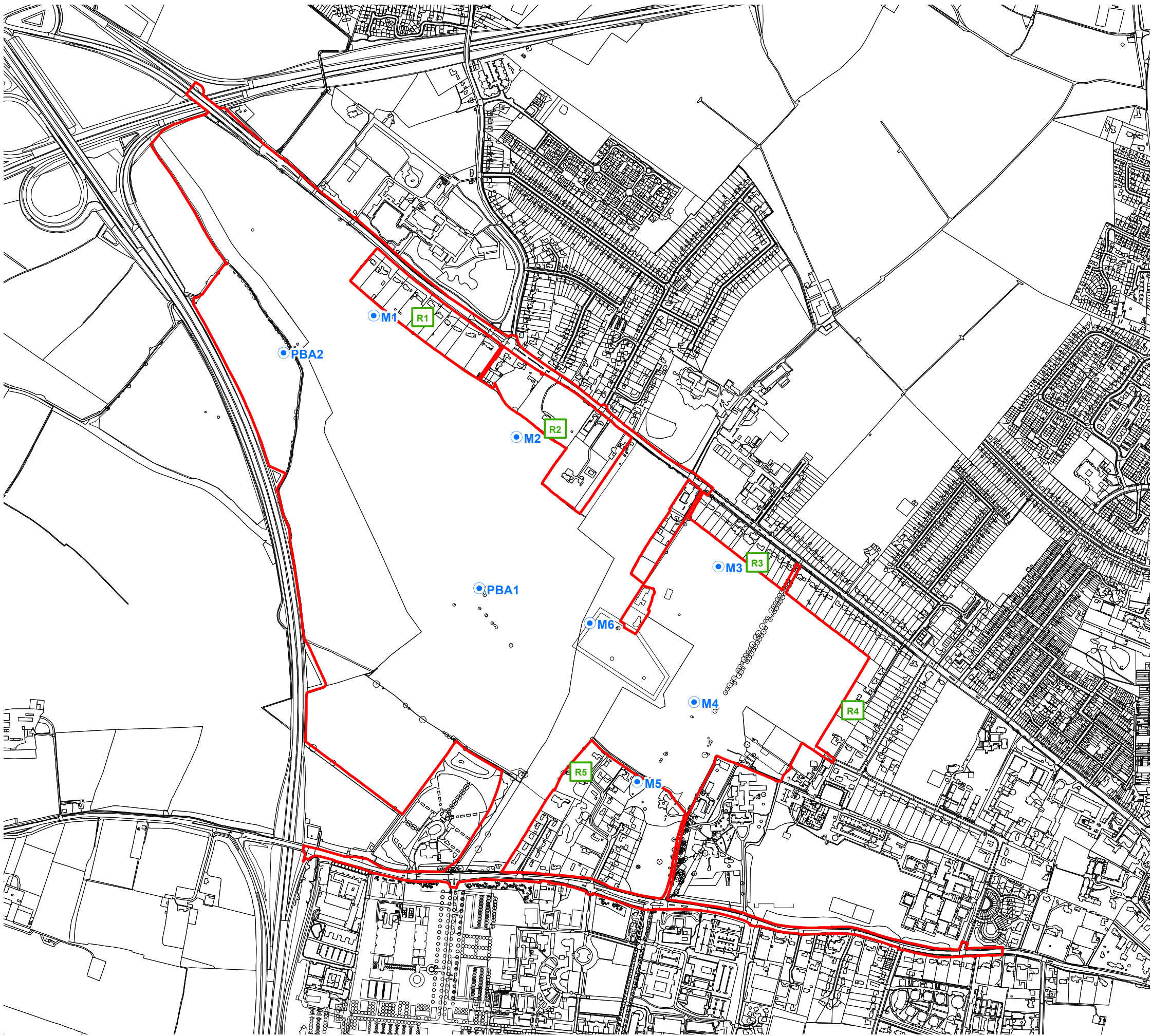
U.0104_61-1

DWG. NO.





1	Introduction and Assessment Approach
2	Application Site Description and Proposed Development
3	Phasing and Implementation
4	Planning Policy Considerations
5	Socio-Economic Assessment
6	Landscape and Visual Issues
7	Ecology and Nature Conservation
8	Soils and Geology
9	Archaeology
10	Cultural Heritage
11	Agricultural Circumstances
12	Traffic and Transport
13	Noise Environment
14	Air Quality
15	Hydrology, Drainage and Flood Risk
16	Utilities and Services
17	Sustainability Considerations
18	Cumulative and Interactive Effects
19	Summary



KEY:

Application Site Boundary

Construction Noise Receptors

- R1 Huntingdon Road (North)
- R2 Huntingdon Road (Closest Res. Property)
- R3 Huntingdon Road (South)
- R4 All Souls Lane
- R5 Conduit Head Road

Noise Monitoring Locations

- PBA 1 - PBA 5 day monitoring location
- PBA 2 - PBA 2 day monitoring location
- M1 to M6 - SW short term monitoring locations



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13.1 FIGURE

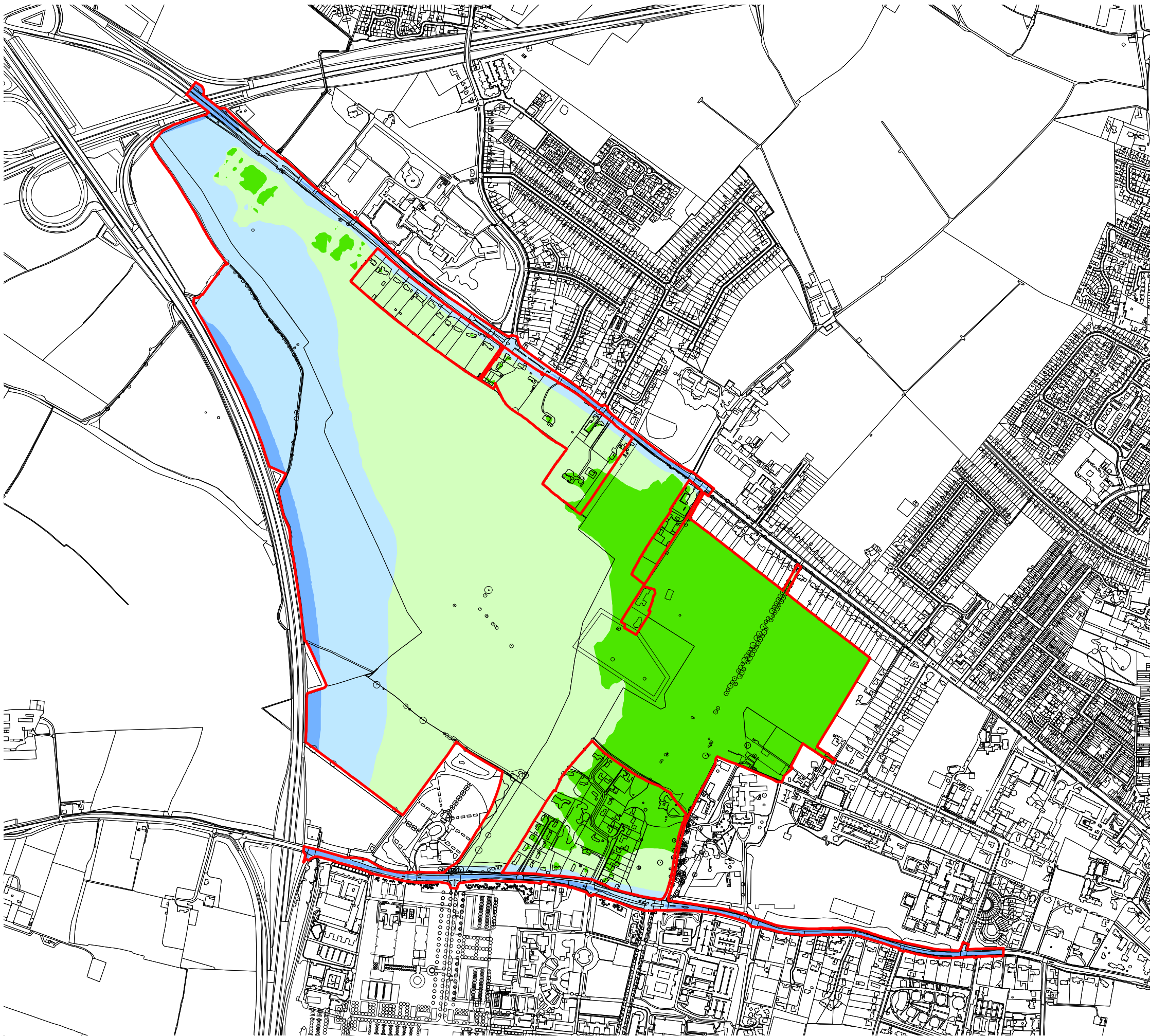
Site and Surroundings
Showing Noise
Monitoring Locations

TITLE

1:10000 SCALE

- DWG. NO.





KEY:

- Application Site Boundary
- Base 2010 Daytime Noise Contours - 1.5m
 - <55 dB (NEC A)
 - 55 to <63 dB (NEC B)
 - 63 to <72 dB (NEC C)
 - =>72 dB (NEC D)



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13.2

FIGURE

Daytime Noise Contours
Across The Site -
Baseline 2010
(Ground Floor)

TITLE

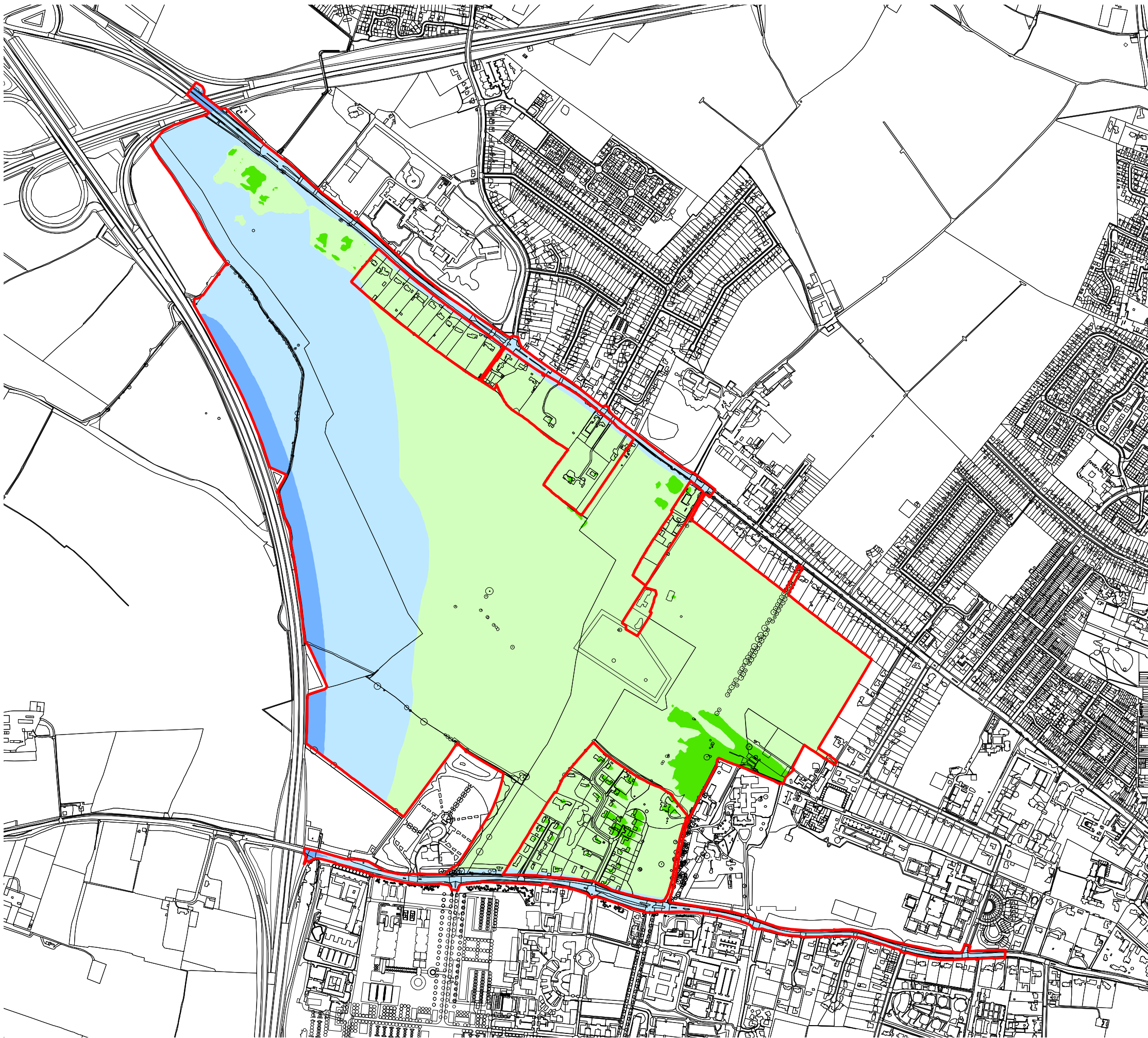
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SCALE

-

DWG. NO.






KEY:


 Application Site Boundary

Base 2010 Night-Time
Noise Contours - 1.5m

 <45 dB (NEC A)

 45 to <57 dB (NEC B)

 57 to <66 dB (NEC C)

 =>66 dB (NEC D)



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13.3

FIGURE

Night-time Noise Contours
Across The Site -
Baseline 2010
(Ground Floor)

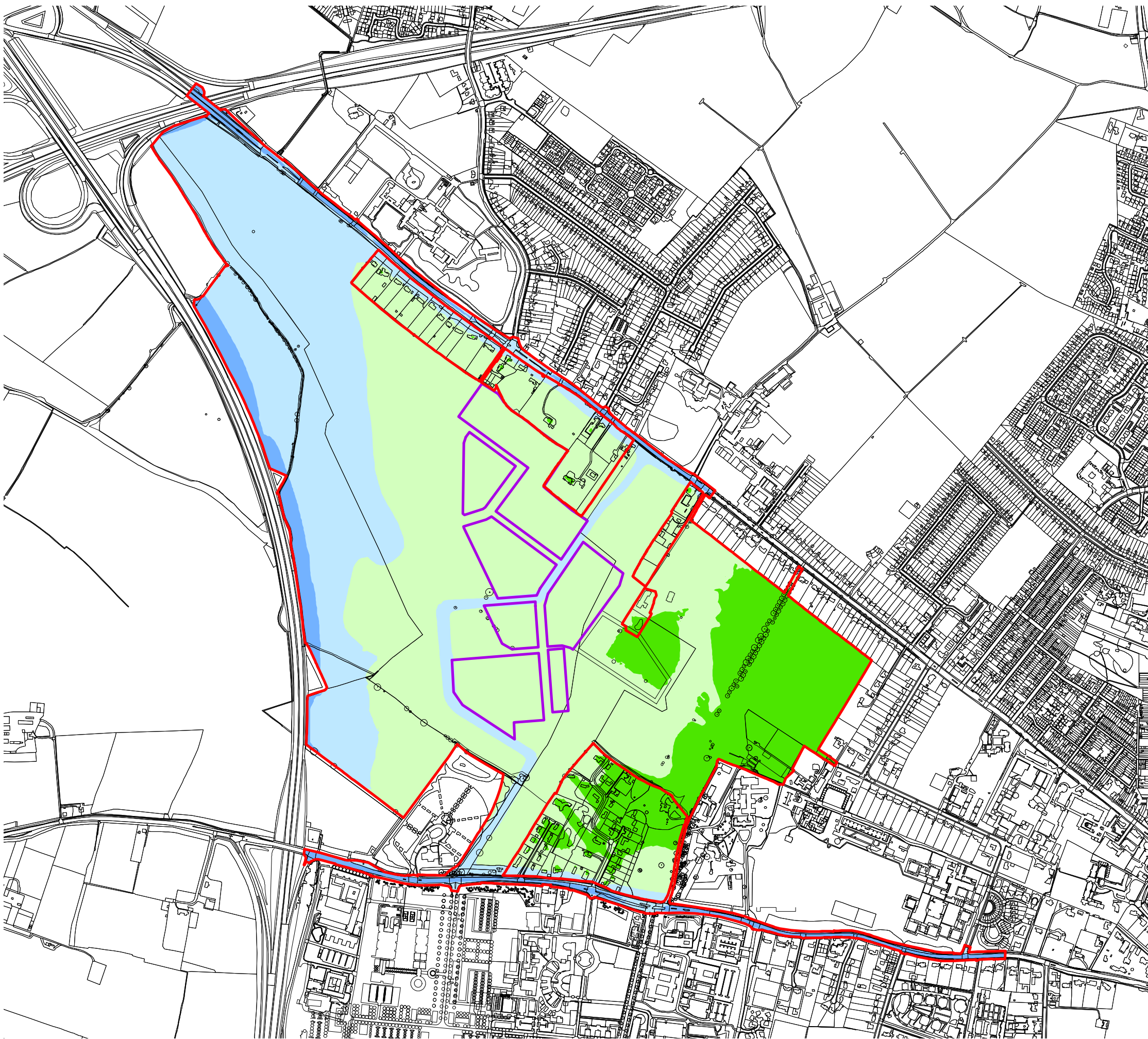
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


SCALE

- DWG. NO.





KEY:

-  Application Site Boundary
- DS2014 Daytime Noise Contours - 1.5m
-  <55 dB (NEC A)
-  55 to <63 dB (NEC B)
-  63 to <72 dB (NEC C)
-  =>72 dB (NEC D)



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13.4 FIGURE

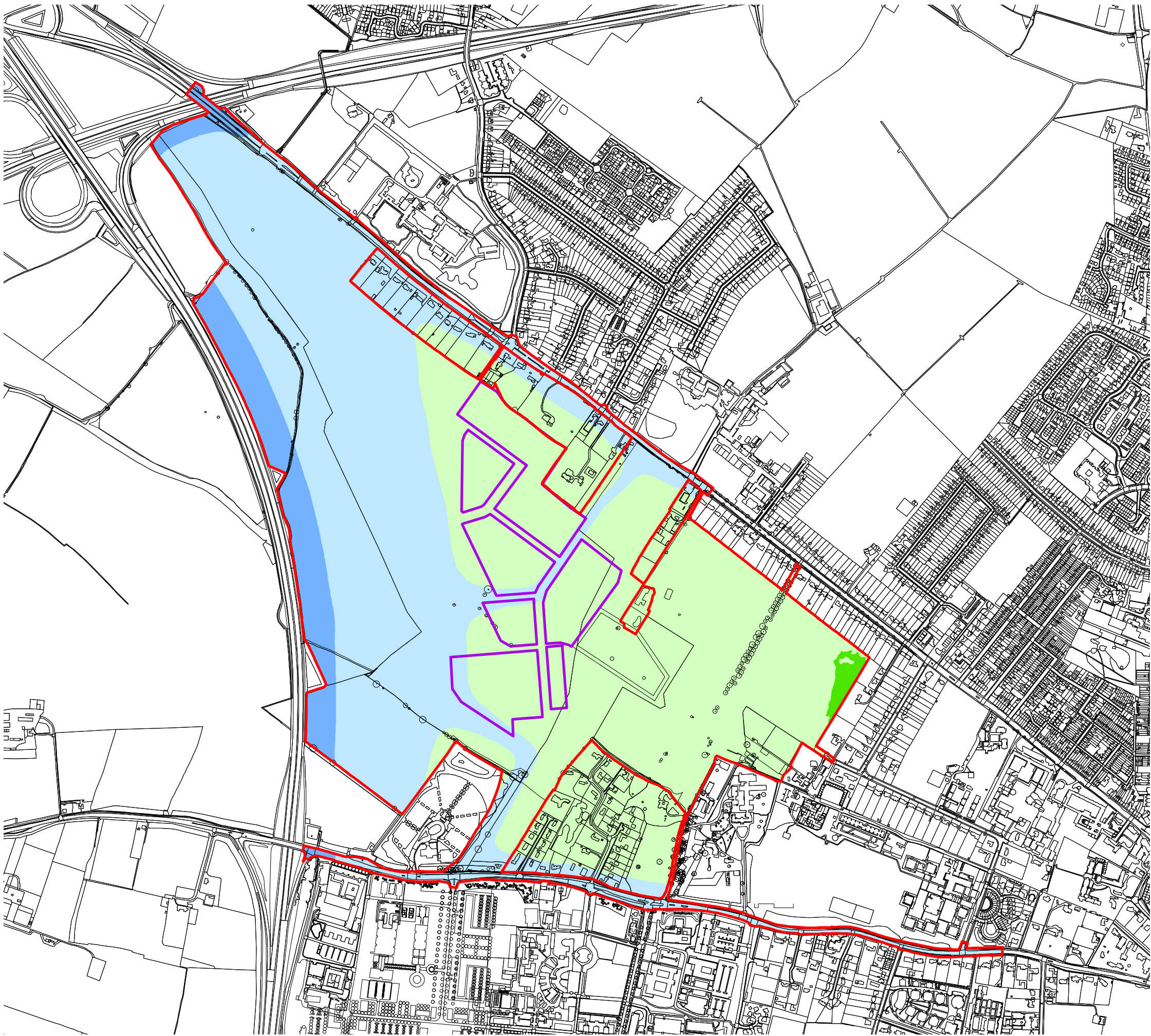
Daytime Noise Contours
Across Empty Site -
DS2014 (Ground Floor)

TITLE

1:10000 SCALE

- DWG. NO.





KEY:

- Application Site Boundary
- DS2014 Daytime Noise Contours - 13.5m
- <55 dB (NEC A)
- 55 to <63 dB (NEC B)
- 63 to <72 dB (NEC C)
- =>72 dB (NEC D)



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13.5

FIGURE

Daytime Noise Contours
Across Empty Site -
DS2014 (Fourth Floor)

TITLE

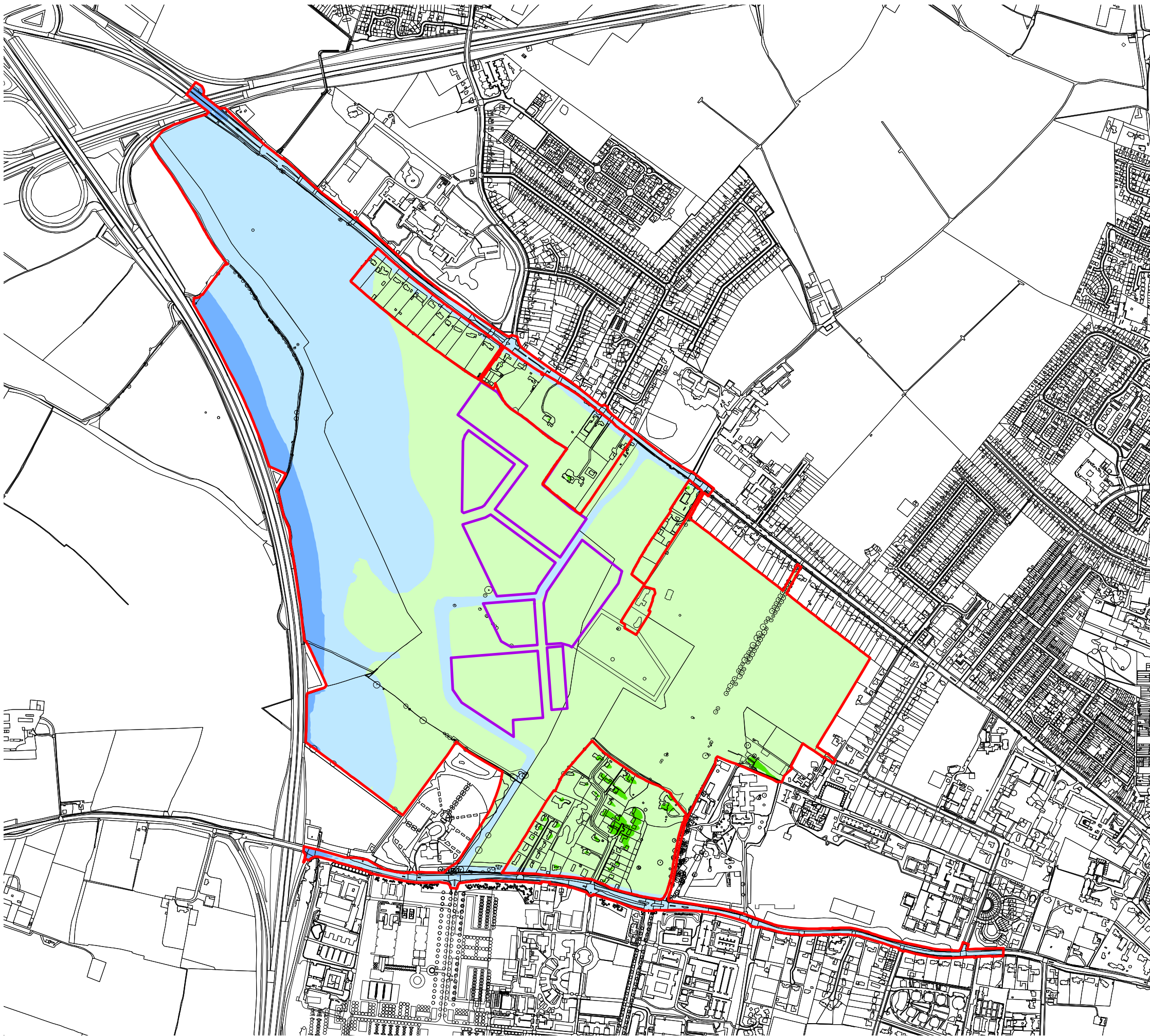
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


-

DWG. NO.





KEY:

-  Application Site Boundary
- DS2014 Night-time Noise Contours - 1.5m
-  <45 dB (NEC A)
-  45 to <57 dB (NEC B)
-  57 to <66 dB (NEC C)
-  =>66 dB (NEC D)



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13.6

FIGURE

Night-time Noise Contours
Across Empty Site -
DS2014 (Ground Floor)

TITLE

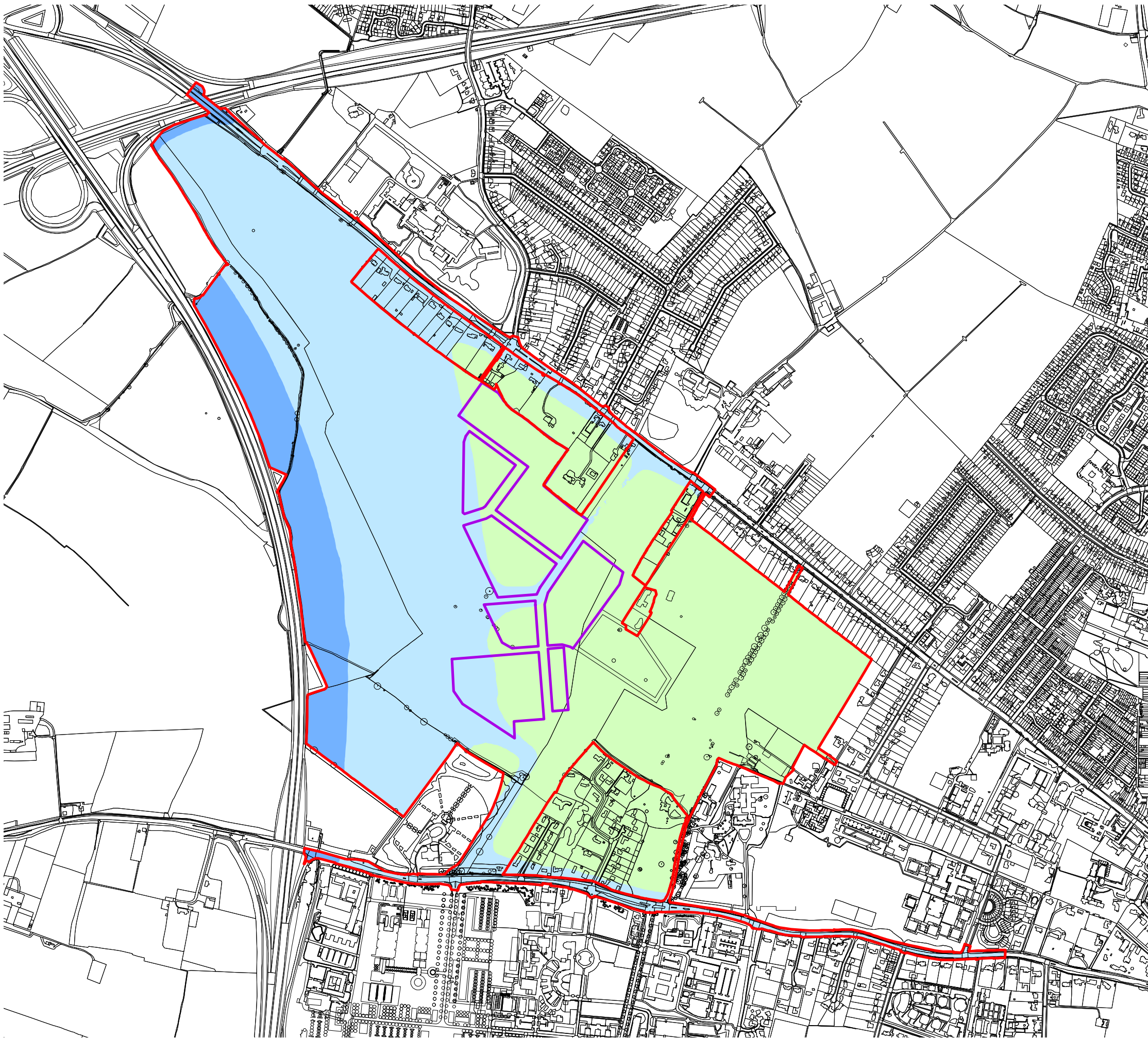
1:10000

SCALE

-

DWG. NO.





KEY:

- Application Site Boundary
- DS2014 Night-time Noise Contours - 13.5m
- <45 dB (NEC A)
- 45 to <57 dB (NEC B)
- 57 to <66 dB (NEC C)
- >=66 dB (NEC D)



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13.7

FIGURE

Night-time Noise Contours
Across Empty Site -
DS2014 (Fourth Floor)

TITLE

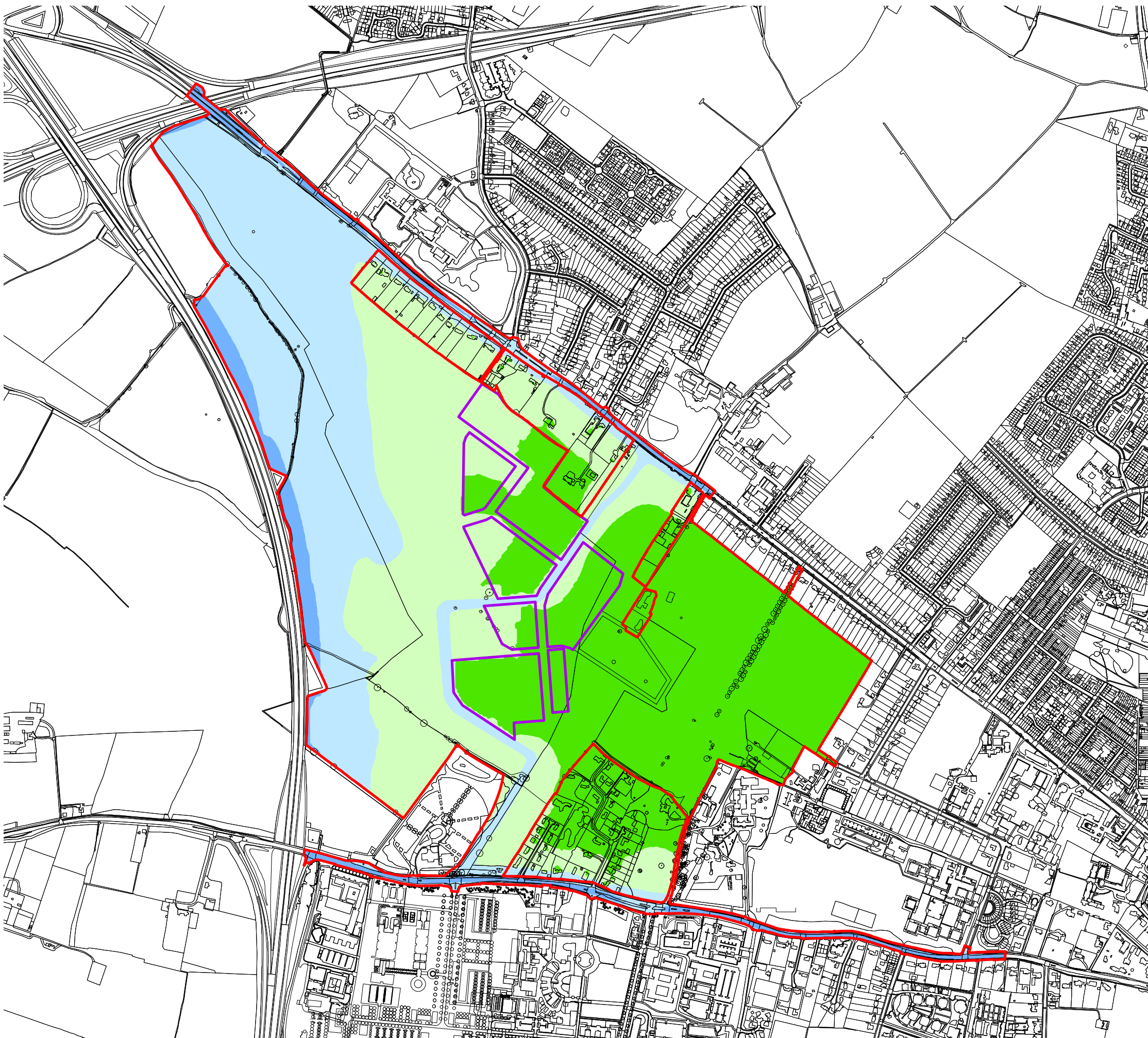
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SCALE


-

DWG. NO.








KEY:


 Application Site Boundary

DS2014 Daytime Noise
Contours - 1.5m

 < 55 dB (NEC A)

 55 to >63 dB (NEC B)

 63 to >72 dB (NEC C)

 >=72 dB (NEC D)



UNIVERSITY OF
CAMBRIDGE

13.8

FIGURE

Daytime Noise Contours
Across Site With Maximum
Building Heights
From Parameter Plans -
DS2014 (Ground Floor)

TITLE

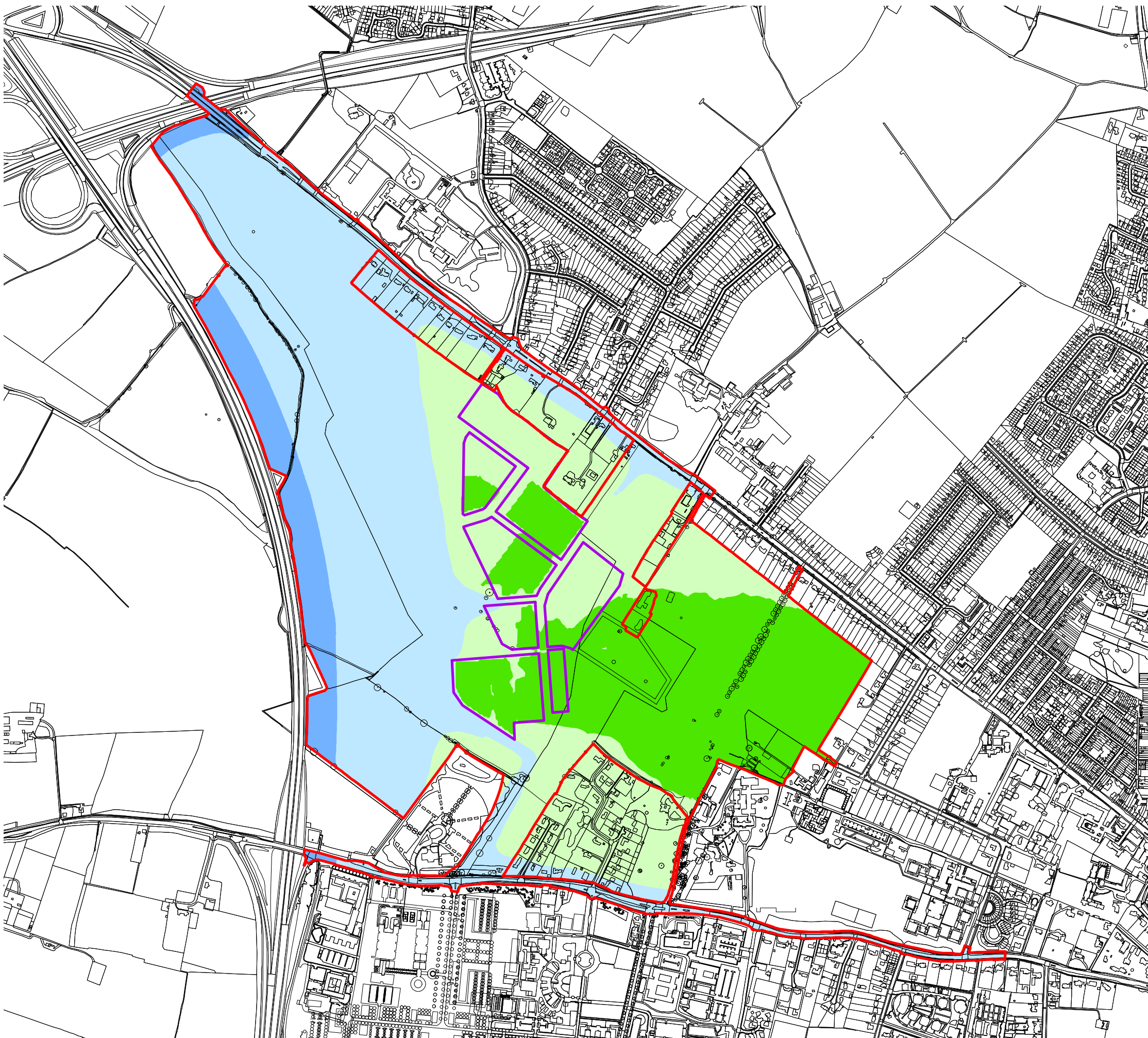
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SCALE

-

DWG. NO.





KEY:

- Application Site Boundary
- DS2014 Daytime Noise Contours - 13.5m
- < 55 dB (NEC A)
- 55 to < 63 dB (NEC B)
- 63 to < 72 dB (NEC C)
- >= 72 dB (NEC D)



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13.9

FIGURE

Daytime Noise Contours
Across Site With Maximum
Building Heights
From Parameter Plans -
DS2014 (Fourth Floor)

TITLE

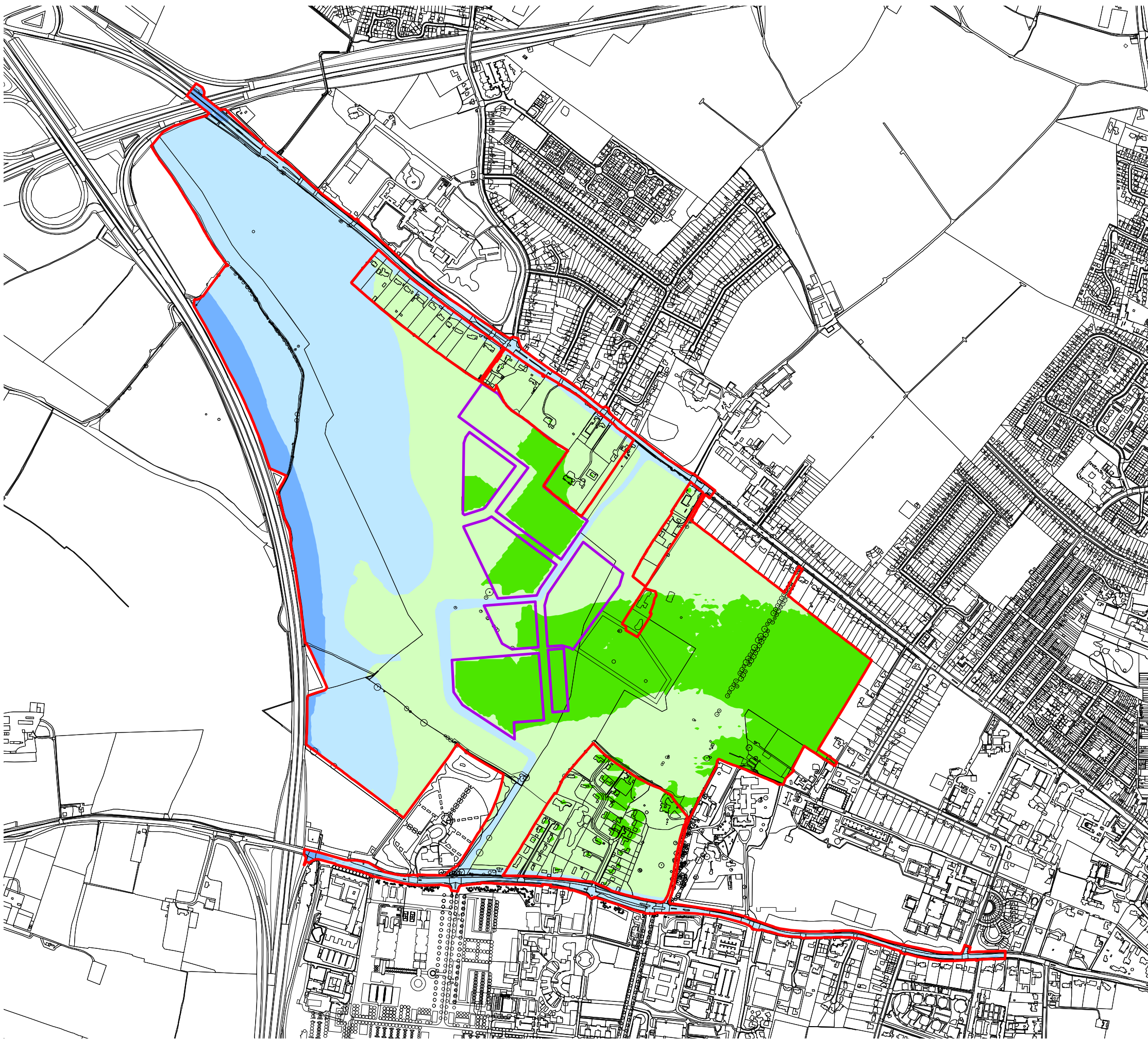
1:10000

SCALE

-

DWG. NO.





KEY:

Application Site Boundary

DS2014 Night-time Noise
Contours - 1.5m

<45 dB (NEC A)

45 to <57 dB (NEC B)

57 to <66 dB (NEC C)

=> 66 dB (NEC D)



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13.10

FIGURE

Night-time Noise Contours
Across Site With Maximum
Building Heights
From Parameter Plans -
DS2014 (Ground Floor)

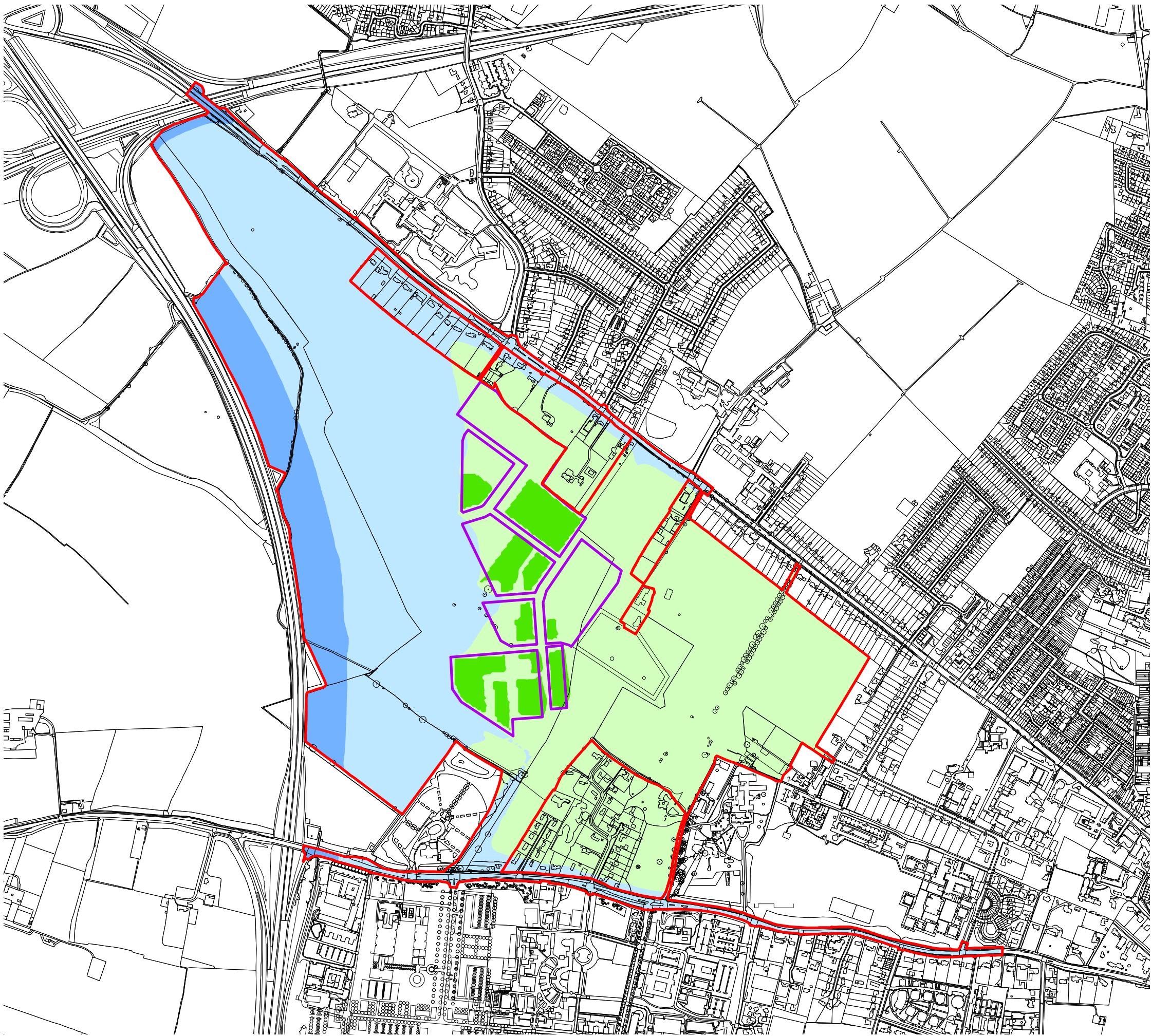
TITLE

1:10000

SCALE

- DWG. NO.





KEY:

- Application Site Boundary
- DS2014 Night-time Noise Contours - 13.5m
 - <45 dB (NEC A)
 - 45 to <57 dB (NEC B)
 - 57 to <66 dB (NEC C)
 - => 66 db (NEC D)



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CAMBRIDGE

13.11

FIGURE

Night-time Noise Contours
Across Site With Maximum
Building Heights
From Parameter Plans -
DS2014 (Fourth Floor)

TITLE

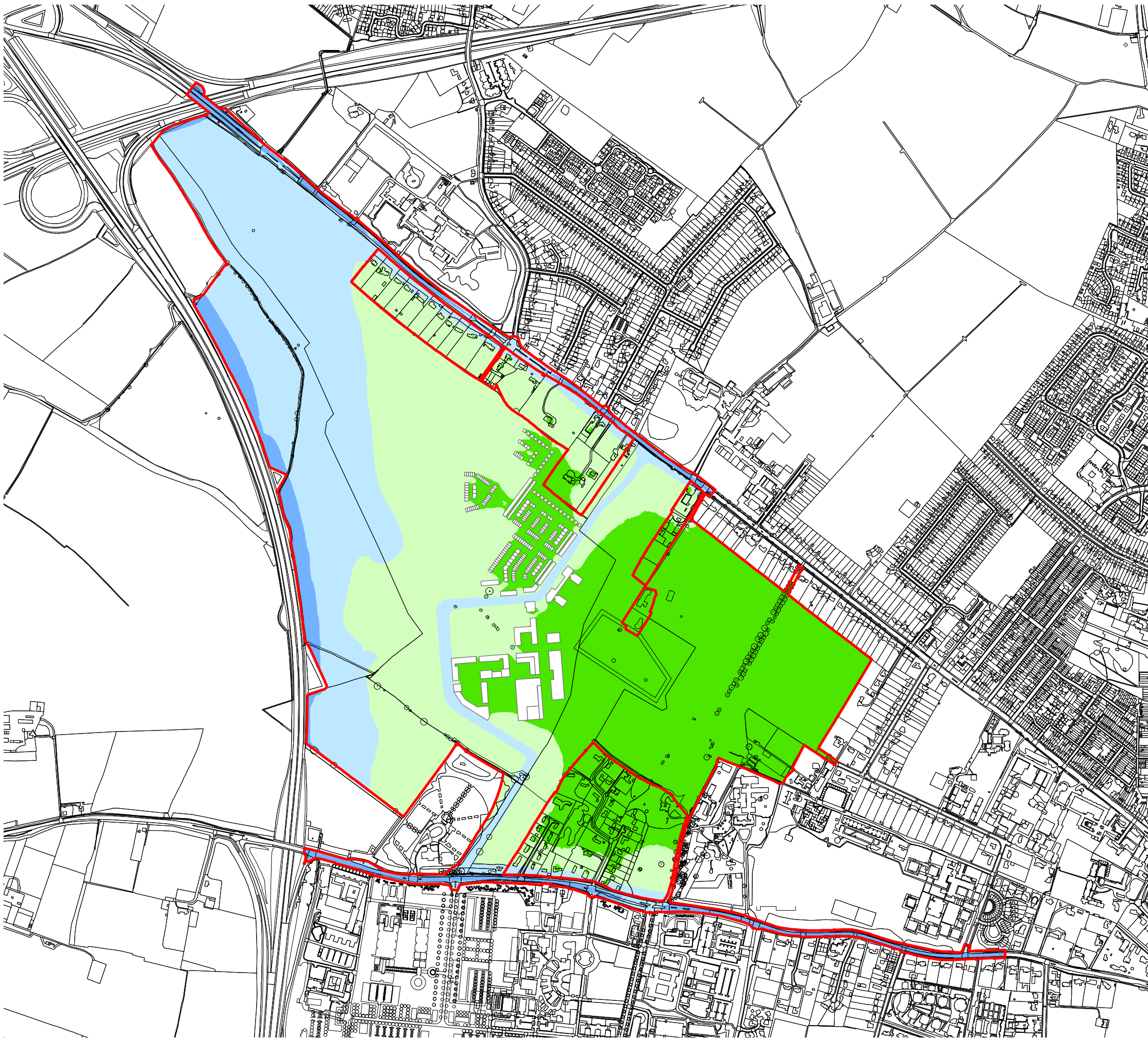
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SCALE


-

DWG. NO.








KEY:


 Application Site Boundary

DS2014 Daytime Noise
Contours - 1.5m

 <55 dB (NEC A)

 55 to <63 dB (NEC B)

 63 to <72 dB (NEC C)

 => 72 dB (NEC D)



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13.12

FIGURE

Daytime Noise Contours
Across Site With Parameter
Compliant Layout - DS2014
(Ground Floor)

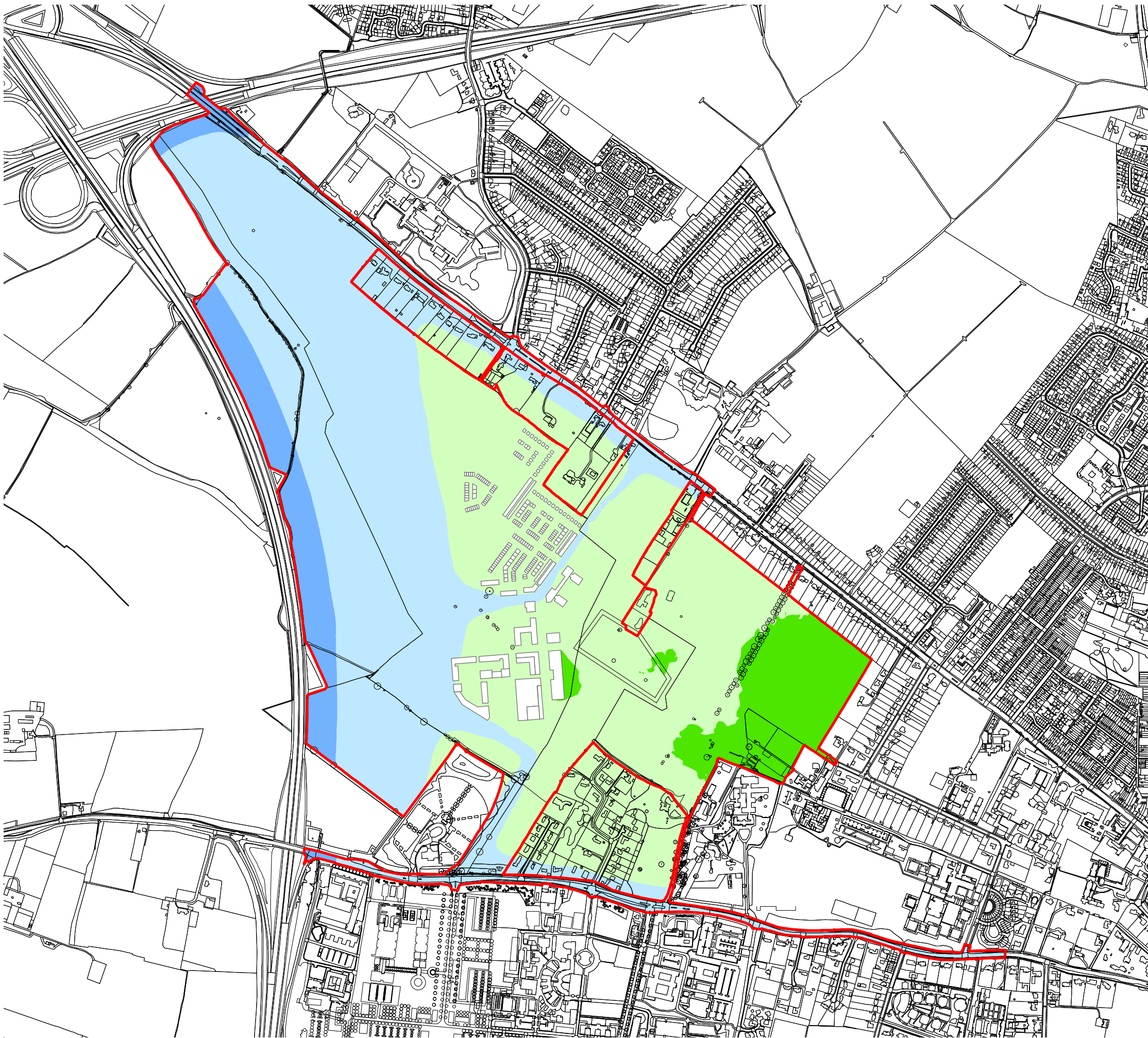
TITLE

1:10000

SCALE

- DWG. NO.





KEY:

- Application Site Boundary
- DS2014 Daytime Noise Contours - 13.5m
 - <55 dB (NEC A)
 - 55 to <63 dB (NEC B)
 - 63 to <72 dB (NEC C)
 - => 72 dB (NEC D)



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13.13

FIGURE

Daytime Noise Contours
Across Site With Parameter
Compliant Layout - DS2014
(Fourth Floor)

TITLE

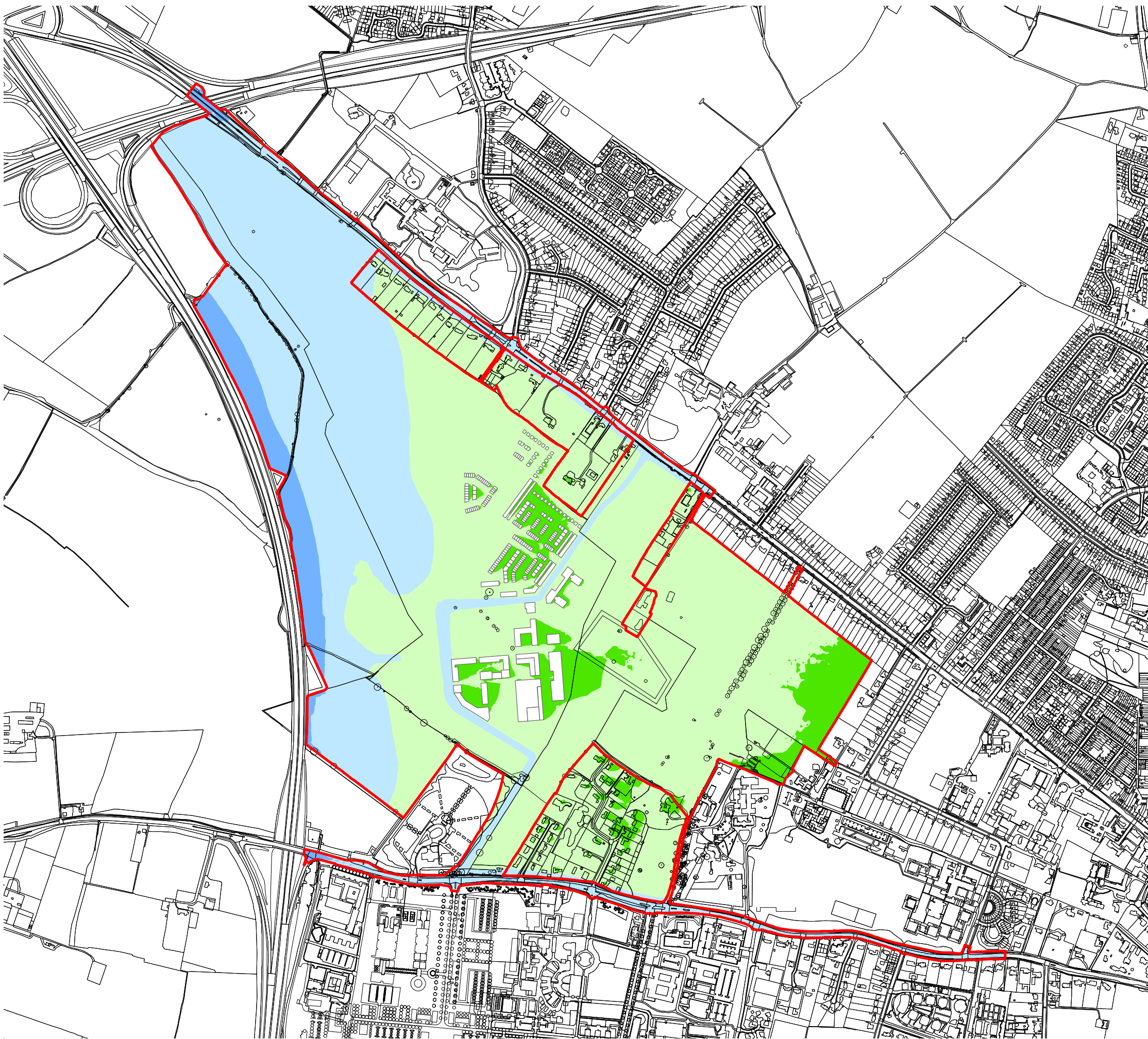
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SCALE

-

DWG. NO.





KEY:

- Application Site Boundary
- DS2014 Night-time Noise Contours - 1.5m
 - <45 dB (NEC A)
 - 45 to <57 dB (NEC B)
 - 57 to <66 dB (NEC C)
 - => 66 dB (NEC D)



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13.14

FIGURE

Night-time Noise Contours
Across Site With Parameter
Compliant Layout - DS2014
(Ground Floor)

TITLE

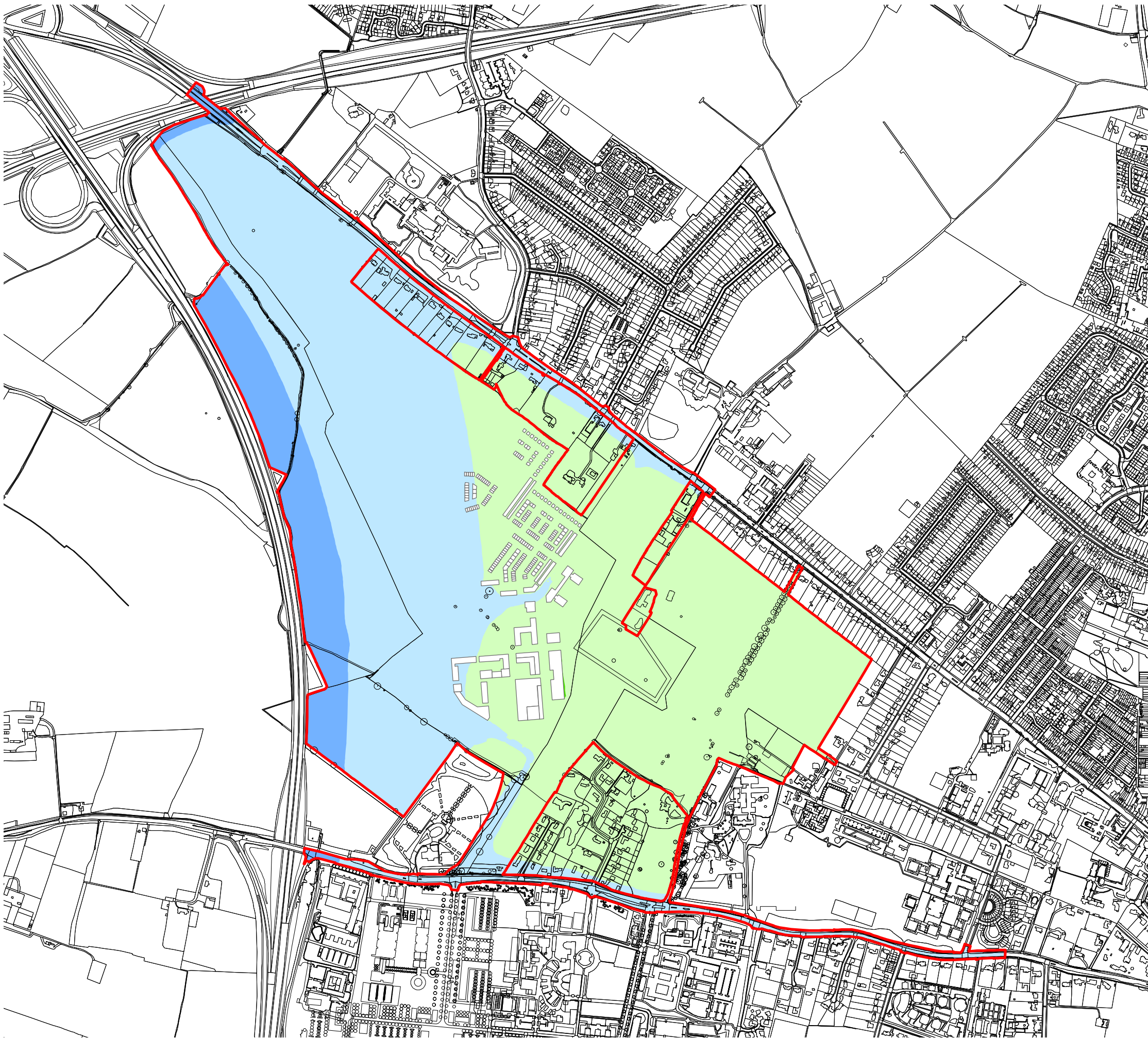
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SCALE

-

DWG. NO.





KEY:

- Application Site Boundary
- DS2014 Night-time Noise Contours - 13.5m
- <45 dB (NEC A)
- 45 to <57 dB (NEC B)
- 57 to <66 dB (NEC C)
- => 66 dB (NEC D)



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13.15

FIGURE

Night-time Noise Contours
Across Site With Parameter
Compliant Layout - DS2014
(Fourth Floor)

TITLE

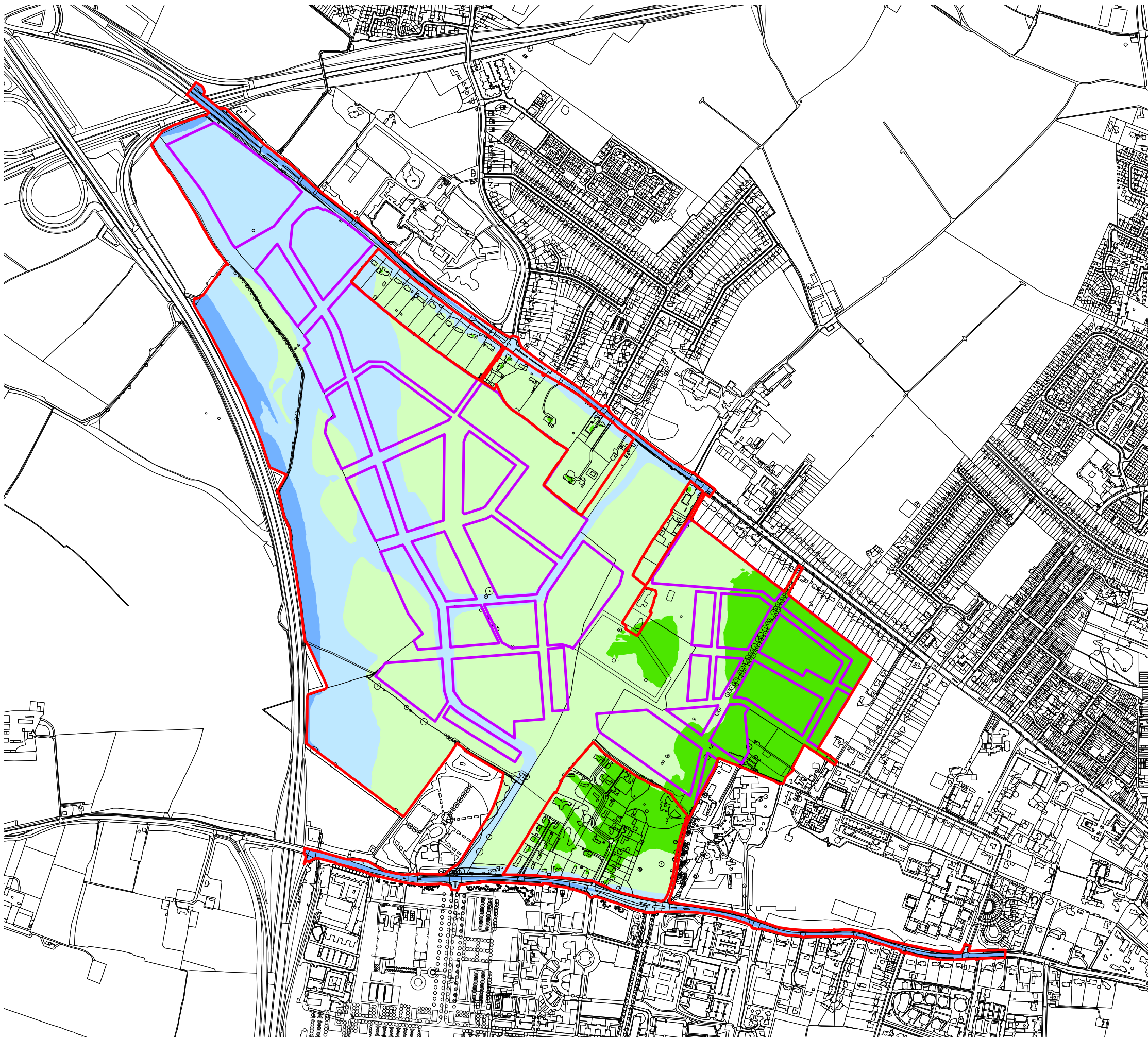
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SCALE


-

DWG. NO.








KEY:


 Application Site Boundary

DS2026 Daytime Noise
Contours - 1.5m

 <55 dB (NEC A)

 55 to <63 dB (NEC B)

 63 to <72 dB (NEC C)

 =>72 dB (NEC D)



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13.16

FIGURE

Daytime Noise Contours
Across Empty Site -
DS2026 (Ground Floor)

TITLE

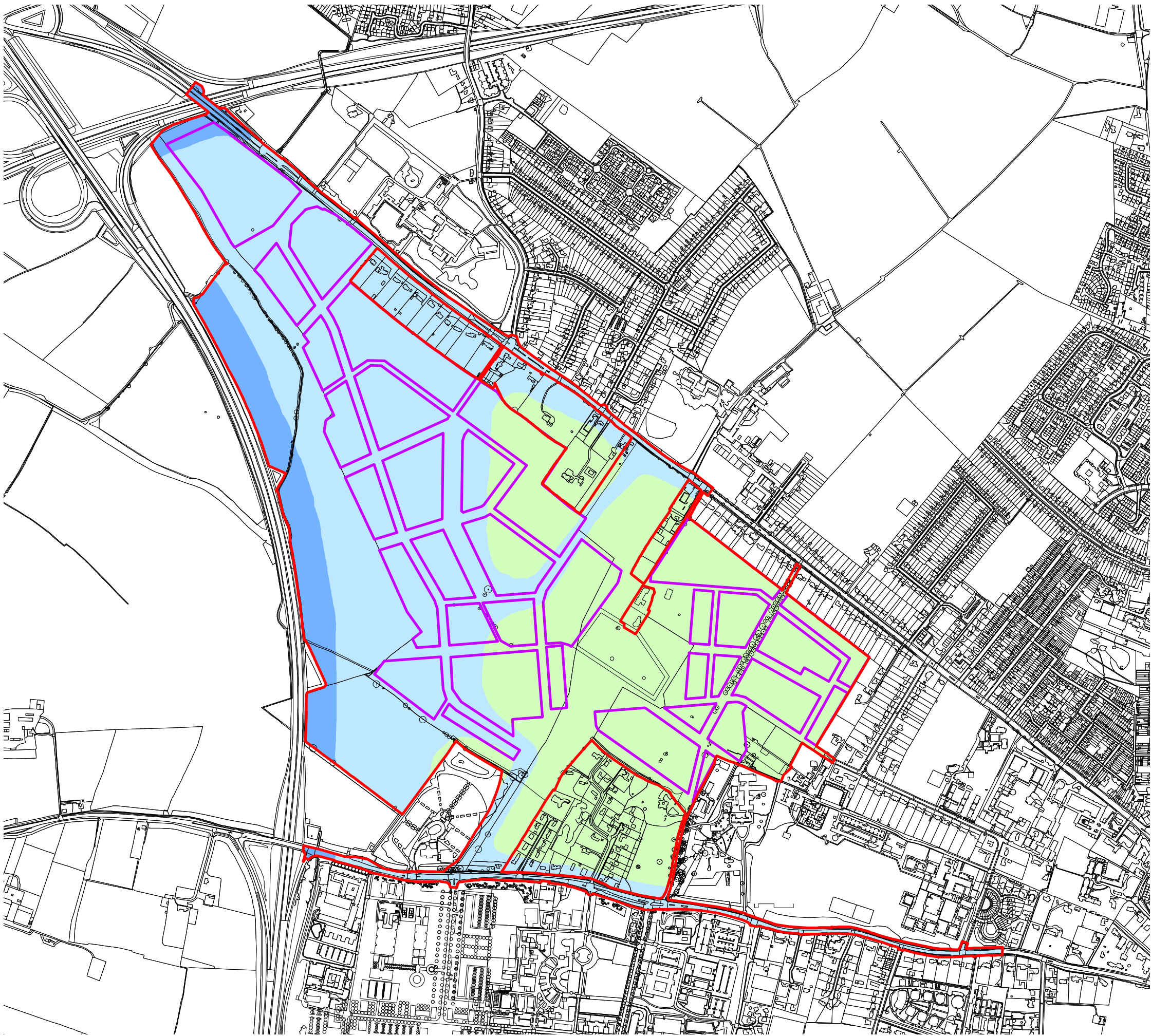
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SCALE






-

DWG. NO.





KEY:

-  Application Site Boundary
- DS2026 Daytime Noise Contours - 13.5m
 -  <55 dB (NEC A)
 -  55 to <63 dB (NEC B)
 -  63 to <72 dB (NEC C)
 -  =>72 dB (NEC D)



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13.17

FIGURE

Daytime Noise Contours
Across Empty Site -
DS2026 (Fourth Floor)

TITLE

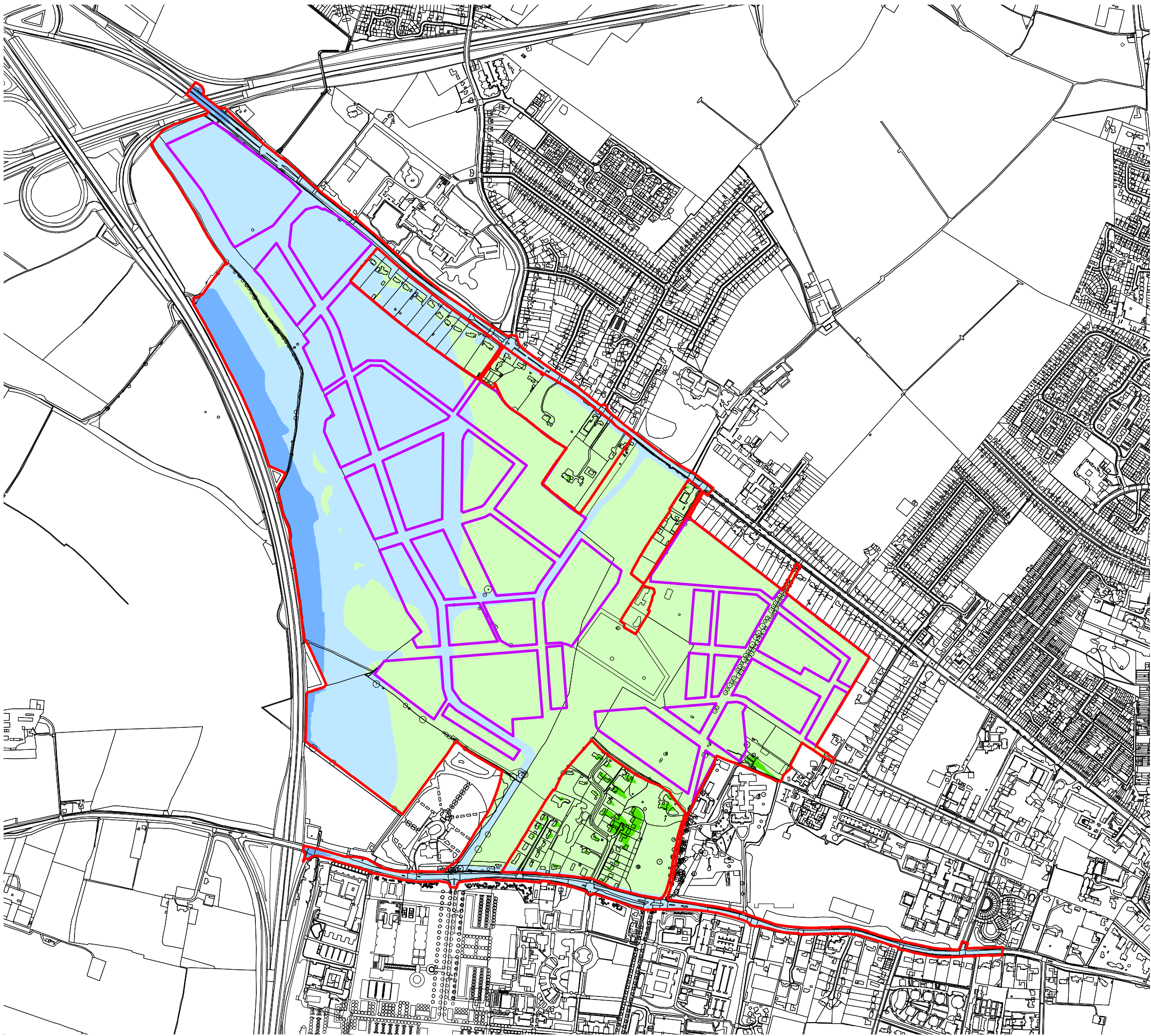
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SCALE

-

DWG. NO.





KEY:

- Application Site Boundary
- DS2026 Night-time Noise Contours - 1.5m
 - <45 dB (NEC A)
 - 45 to <57 dB (NEC B)
 - 57 to <66 dB (NEC C)
 - =>66 dB (NEC D)



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13.18

FIGURE

Night-time Noise Contours
Across Empty Site -
DS2026 (Ground Floor)

TITLE

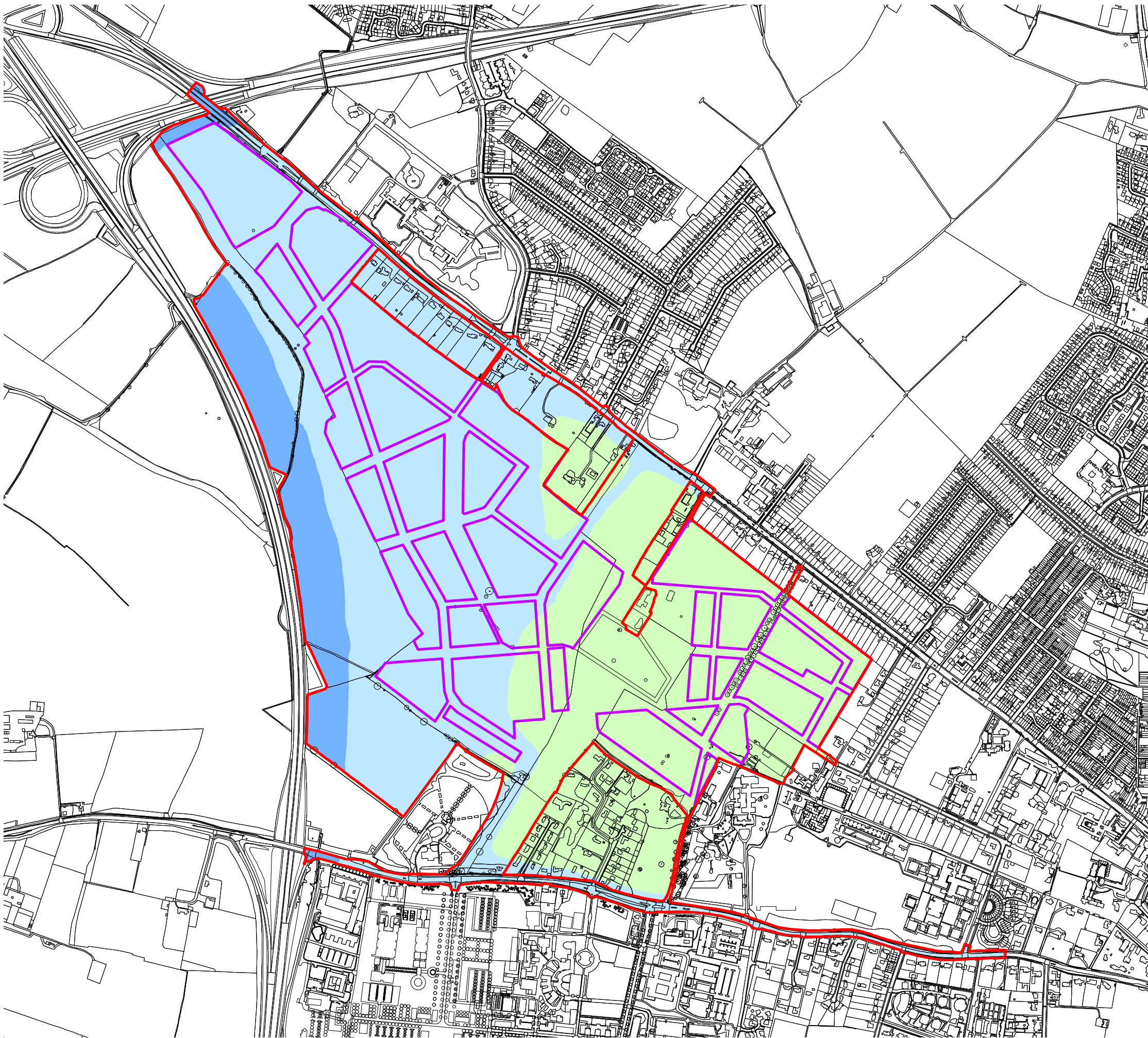
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SCALE






-

DWG. NO.





KEY:

-  Application Site Boundary
- DS2026 Night-time Noise Contours - 13.5m
-  <45 dB (NEC A)
-  45 to <57 dB (NEC B)
-  57 to <66 dB (NEC C)
-  =>66 dB (NEC D)



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13.19

FIGURE

Night-time Noise Contours
Across Empty Site -
DS2026 (Fourth Floor)

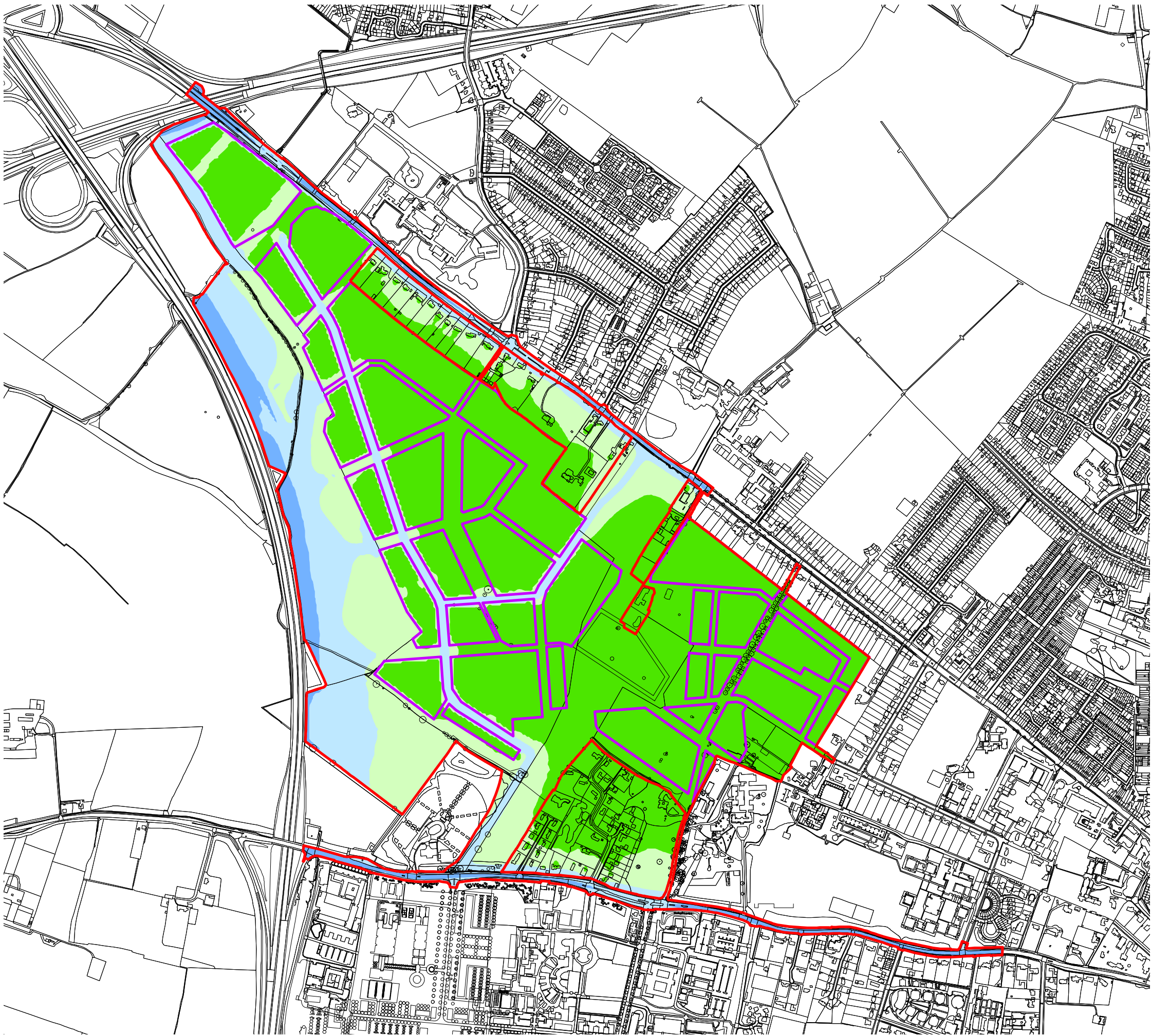
TITLE

1:10000

SCALE

- DWG. NO.





KEY:

- Application Site Boundary
- DS2026 Daytime Noise Contours - 1.5m
- <55 dB (NEC A)
- 55 to <63 dB (NEC B)
- 63 to <72 dB (NEC C)
- =>72 dB (NEC D)



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13.20

FIGURE

Daytime Noise Contours
Across Site With Maximum
Building Heights From
Parameter Plans
-DS2026 (Ground Floor)

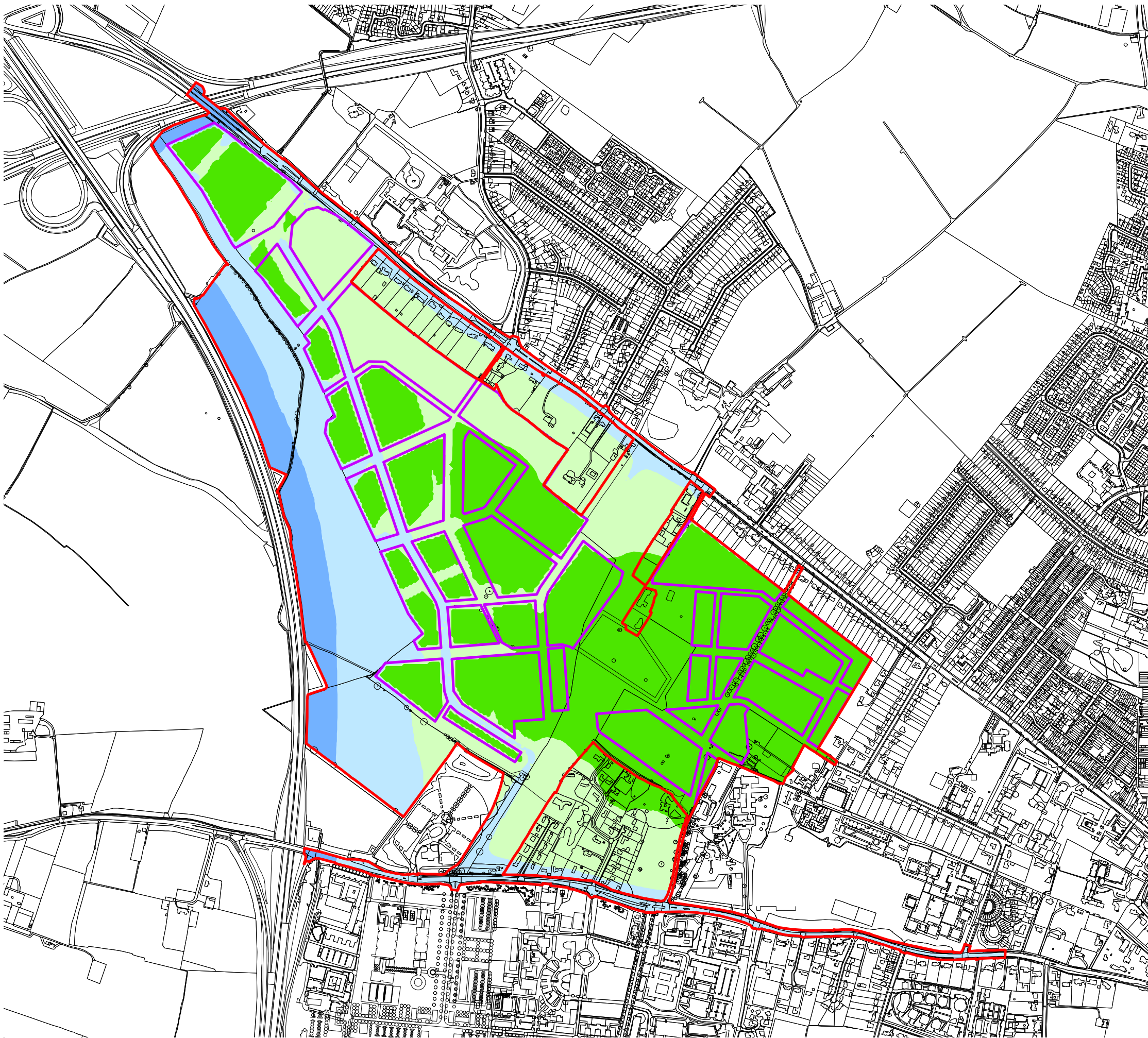
TITLE

1:10000

SCALE

- DWG. NO.





KEY:

- Application Site Boundary
- DS2026 Daytime Noise Contours - 13.5m
- <55 dB (NEC A)
- 55 to <63 dB (NEC B)
- 63 to <72 dB (NEC C)
- =>72 dB (NEC D)



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13.21

FIGURE

Daytime Noise Contours
Across Site With Maximum
Building Heights From
Parameter Plans
-DS2026 (Fourth Floor)

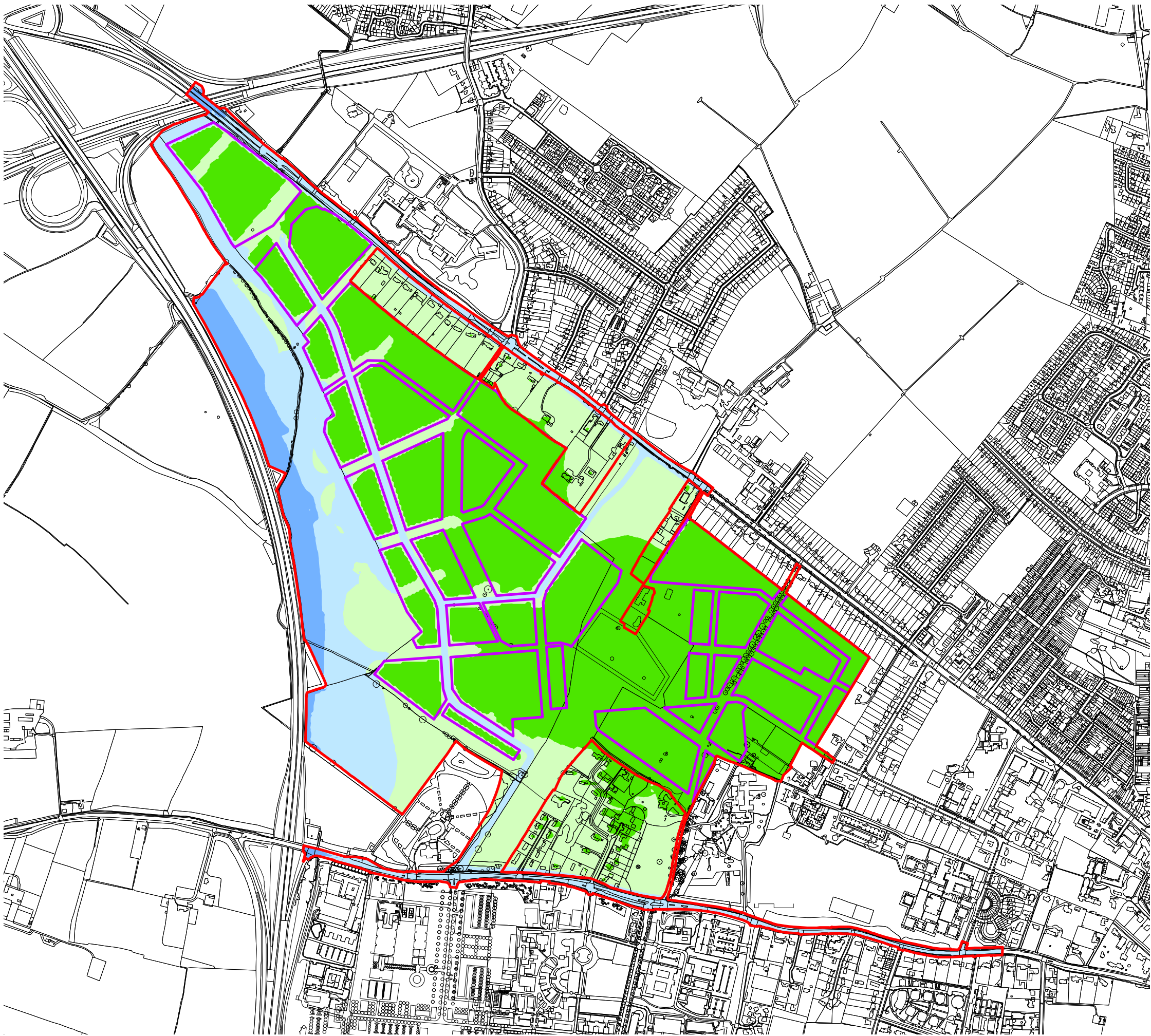
TITLE

1:10000

SCALE

- DWG. NO.





KEY:

- Application Site Boundary
- DS2026 Night-time Noise Contours - 1.5m
- <45 dB (NEC A)
- 45 to <57 dB (NEC B)
- 57 to <66 dB (NEC C)
- =>66 dB (NEC D)



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CAMBRIDGE

13.22

FIGURE

Night-time Noise Contours
Across Site With Maximum
Building Heights From
Parameter Plans
-DS2026 (Ground Floor)

TITLE

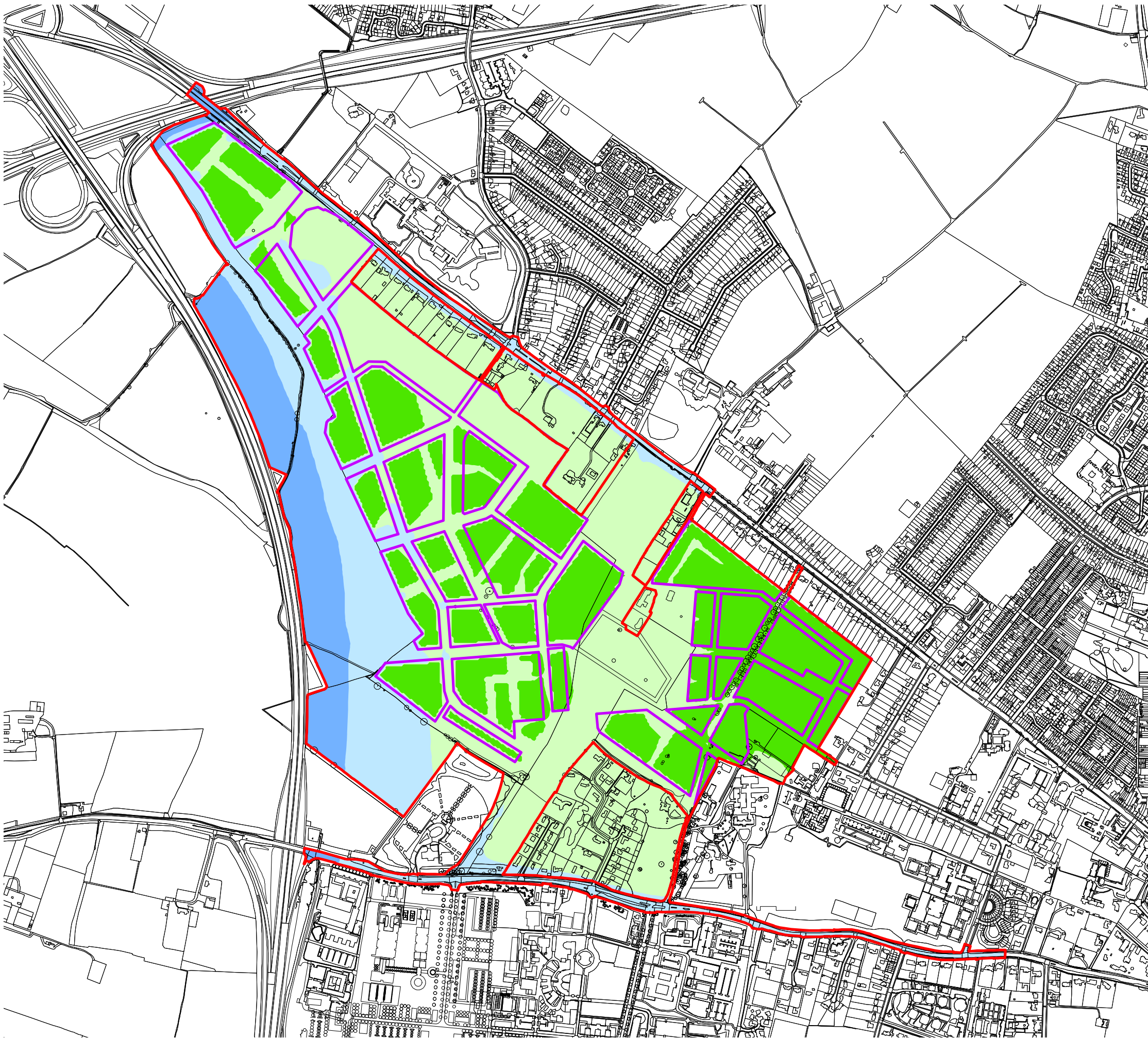
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SCALE

-

DWG. NO.





KEY:

- Application Site Boundary
- DS2026 Night-time Noise Contours - 13.5m
- <45 dB (NEC A)
- 45 to <57 dB (NEC B)
- 57 to <66 dB (NEC C)
- =>66 dB (NEC D)



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13.23

FIGURE

Night-time Noise Contours
Across Site With Maximum
Building Heights From
Parameter Plans
-DS2026 (Fourth Floor)

TITLE

1:10000

SCALE

- DWG. NO.





KEY:

- Application Site Boundary
- DS2026 Daytime Noise
Contours - 1.5m
- <55 dB (NEC A)
- 55 to <63 dB (NEC B)
- 63 to <72 dB (NEC C)
- =>72 dB (NEC D)



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13.24

FIGURE

Daytime Noise Contours
Across Site With Parameter
Compliant Layout -DS2026
(Ground Floor)

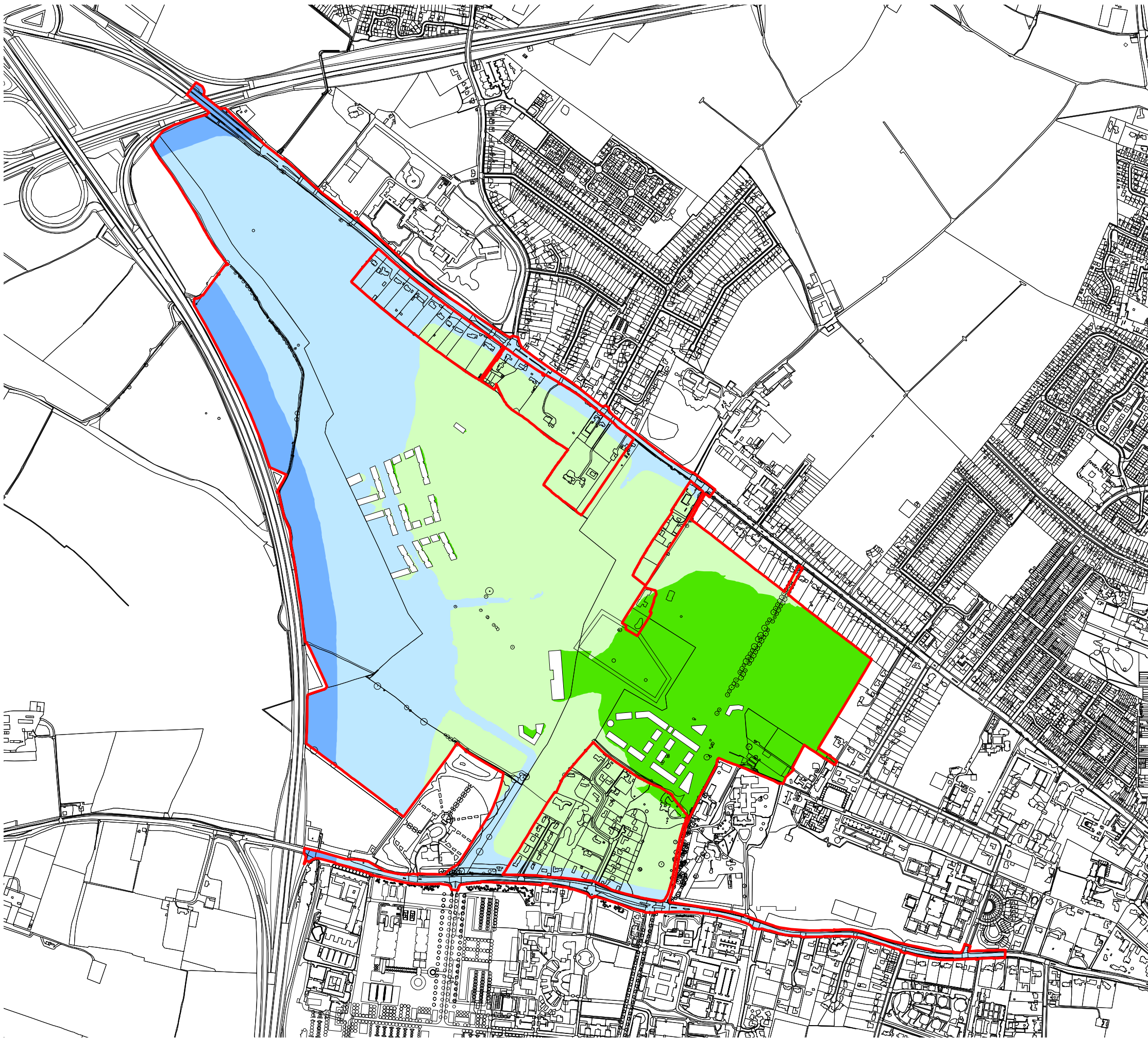
TITLE

1:10000






SCALE

- DWG. NO.





KEY:

-  Application Site Boundary
- DS2026 Daytime Noise Contours - 13.5m
-  <55 dB (NEC A)
-  55 to <63 dB (NEC B)
-  63 to <72 dB (NEC C)
-  >=72 dB (NEC D)



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CAMBRIDGE

13.25

FIGURE

Day Time Noise Contours
Across Site With Parameter
Compliant Layout - DS2026
(Fourth Floor)

TITLE

1:10000

SCALE






-

DWG. NO.





KEY:

-  Application Site Boundary
- DS2026 Night-time Noise Contours - 1.5m
-  <45 dB (NEC A)
-  45 to <57 dB (NEC B)
-  57 to <66 dB (NEC C)
-  >=66 dB (NEC D)



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13.26

FIGURE

Night-time Noise Contours
Across Site With Parameter
Compliant Layout - DS2026
(Ground Floor)

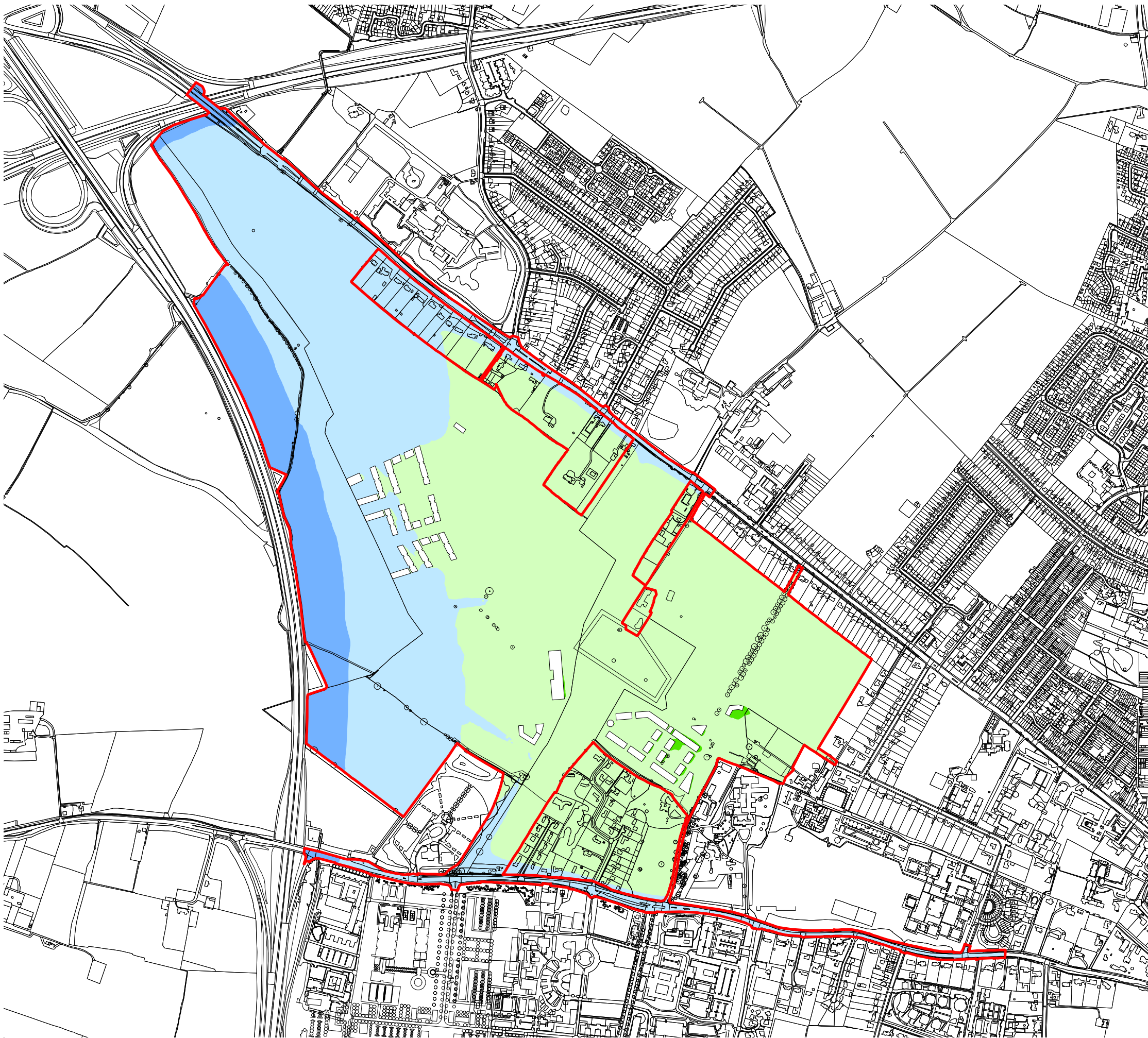
TITLE

1:10000

SCALE

- DWG. NO.





KEY:

- Application Site Boundary
- DS2026 Night-time Noise
Contours - 13.5m
- <45 dB (NEC A)
- 45 to <57 dB (NEC B)
- 57 to <66 dB (NEC C)
- =>66 dB (NEC D)



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13.27

FIGURE

Night-time Noise Contours
Across Site With Parameter
Compliant Layout - DS2026
(Fourth Floor)

TITLE

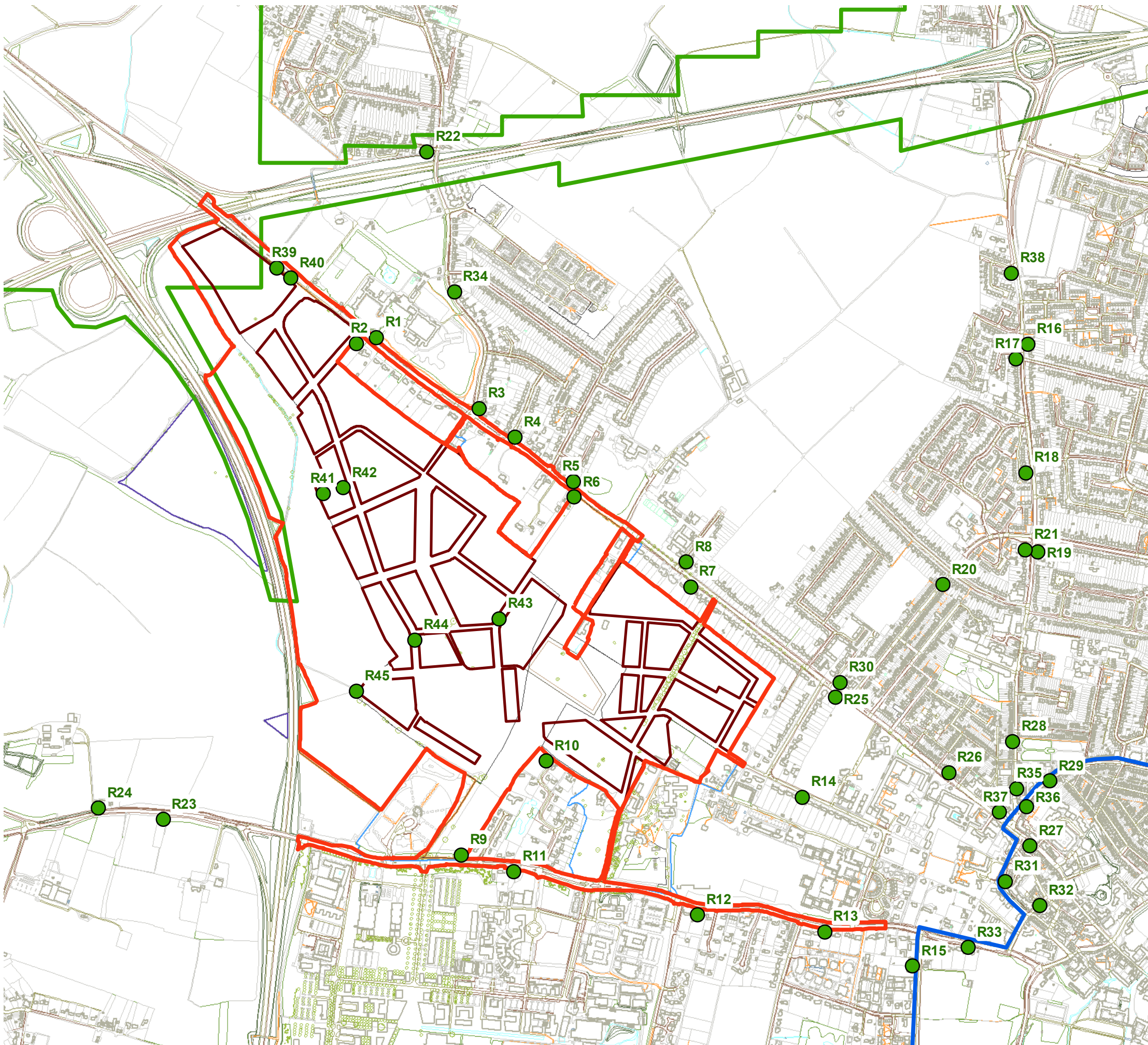
1:10000

SCALE

- DWG. NO.



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KEY:

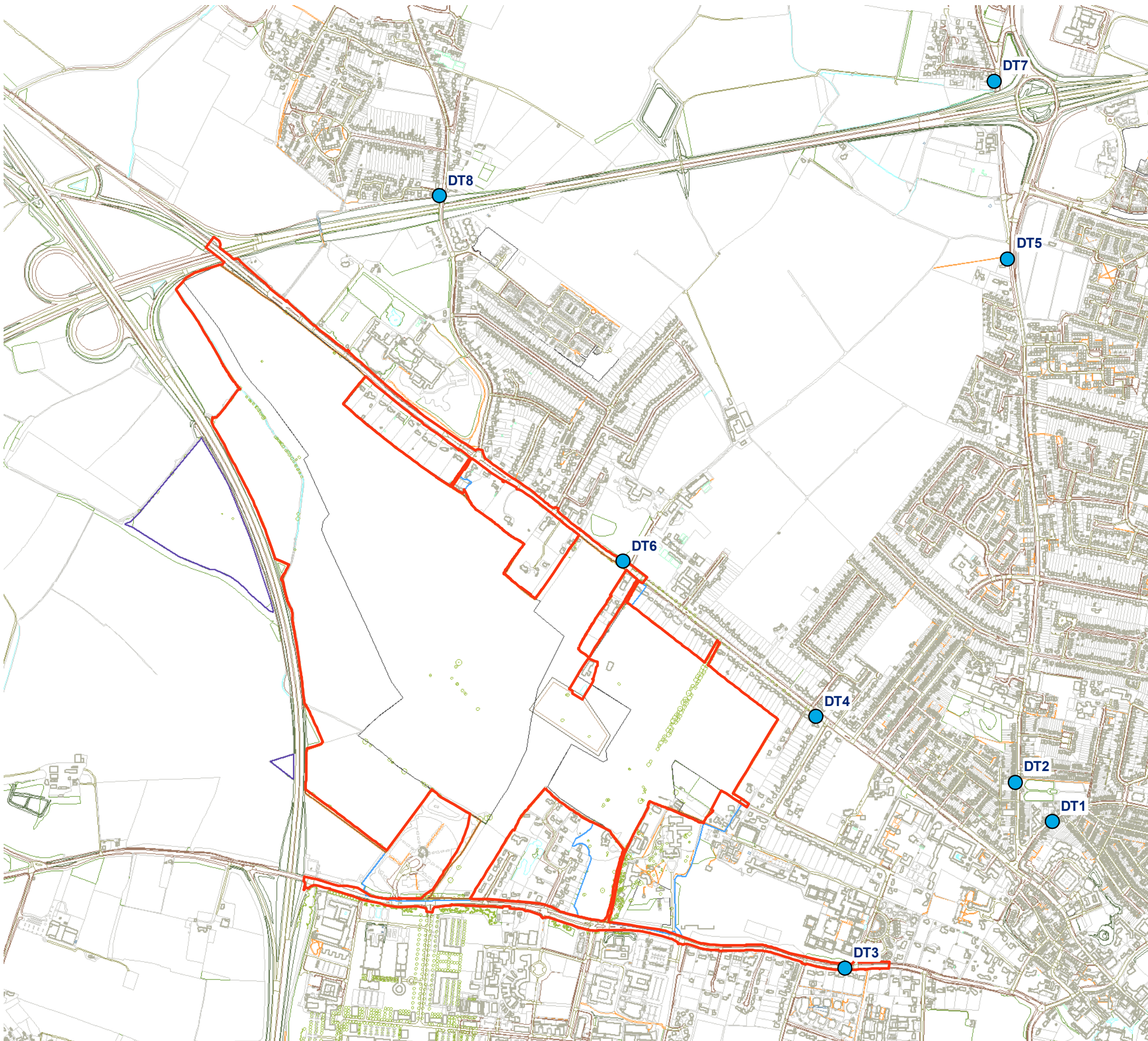
- AQ Selected Receptors
- Application Site Boundary
- Proposed Buildings
- Indicative SCD AQMA Boundary
- Indicative CCC AQMA Boundary



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14.1	FIGURE
Air Quality Selected Receptors	TITLE
1:12000	SCALE
-	DWG. NO.



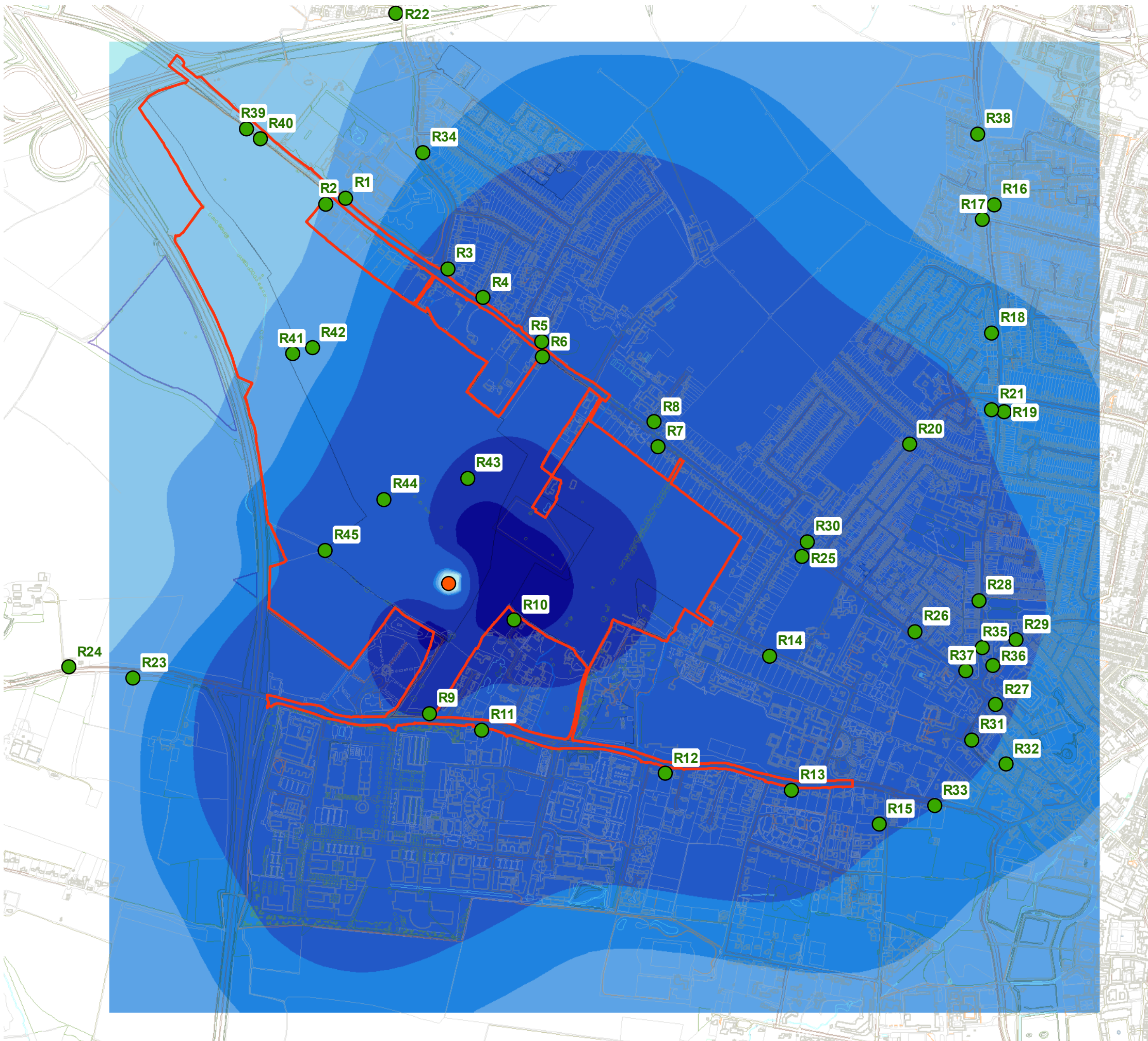


- KEY:
- Diffusion Tubes Locations
 - Application Site Boundary



14.2	FIGURE
Local Authority Diffusion Tube Monitoring Locations	TITLE
1:12000	SCALE
-	DWG. NO.

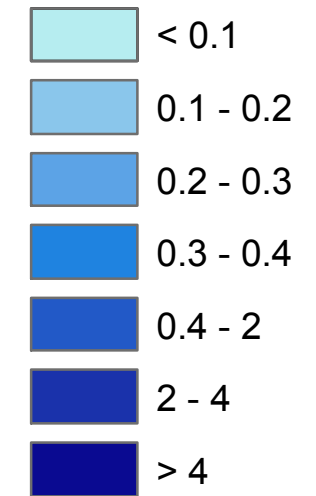




KEY:

- Stack B15
- AQ Selected Receptors
- Application Site Boundary

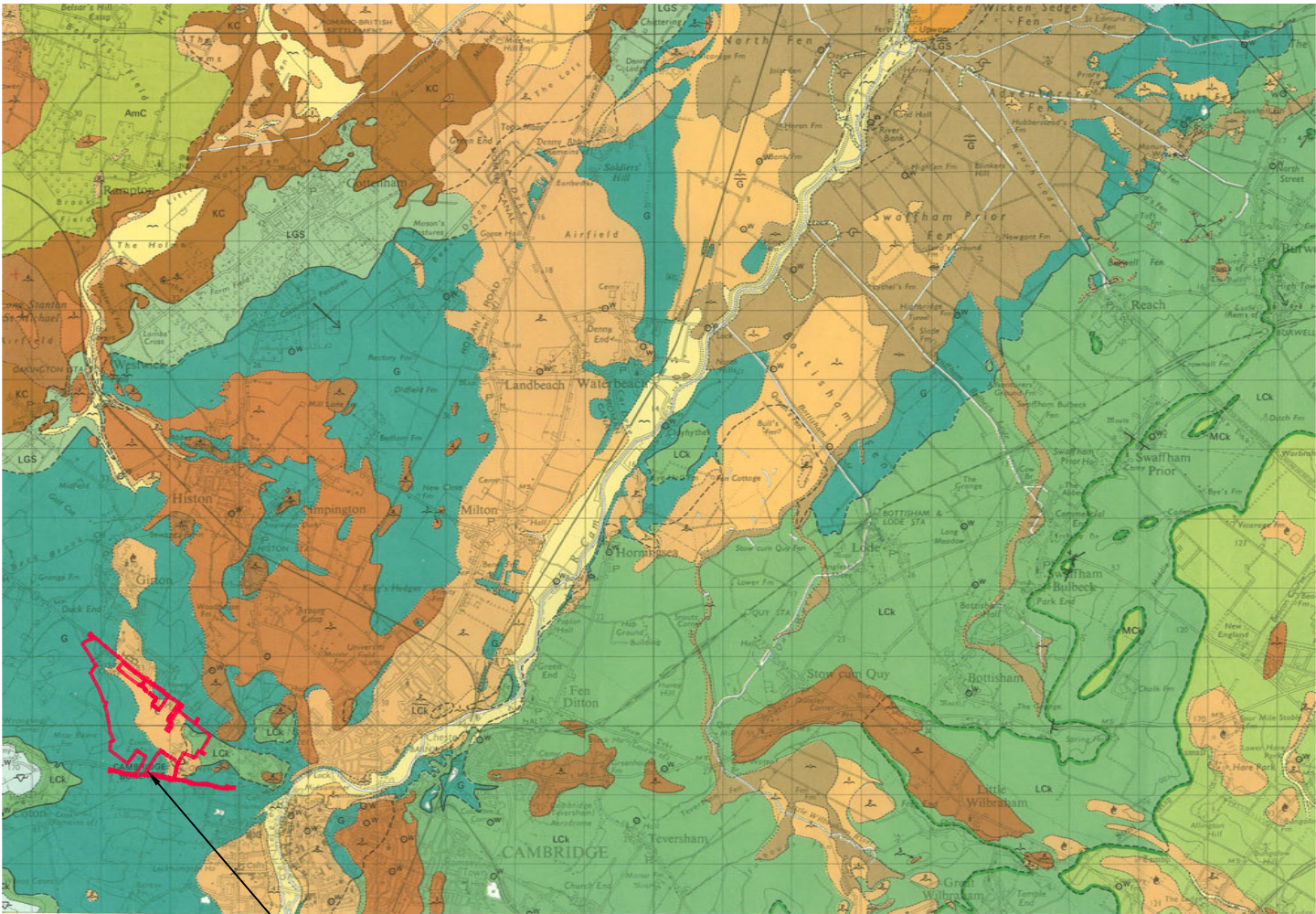
NO_x Contribution ($\mu\text{g}/\text{m}^2$)



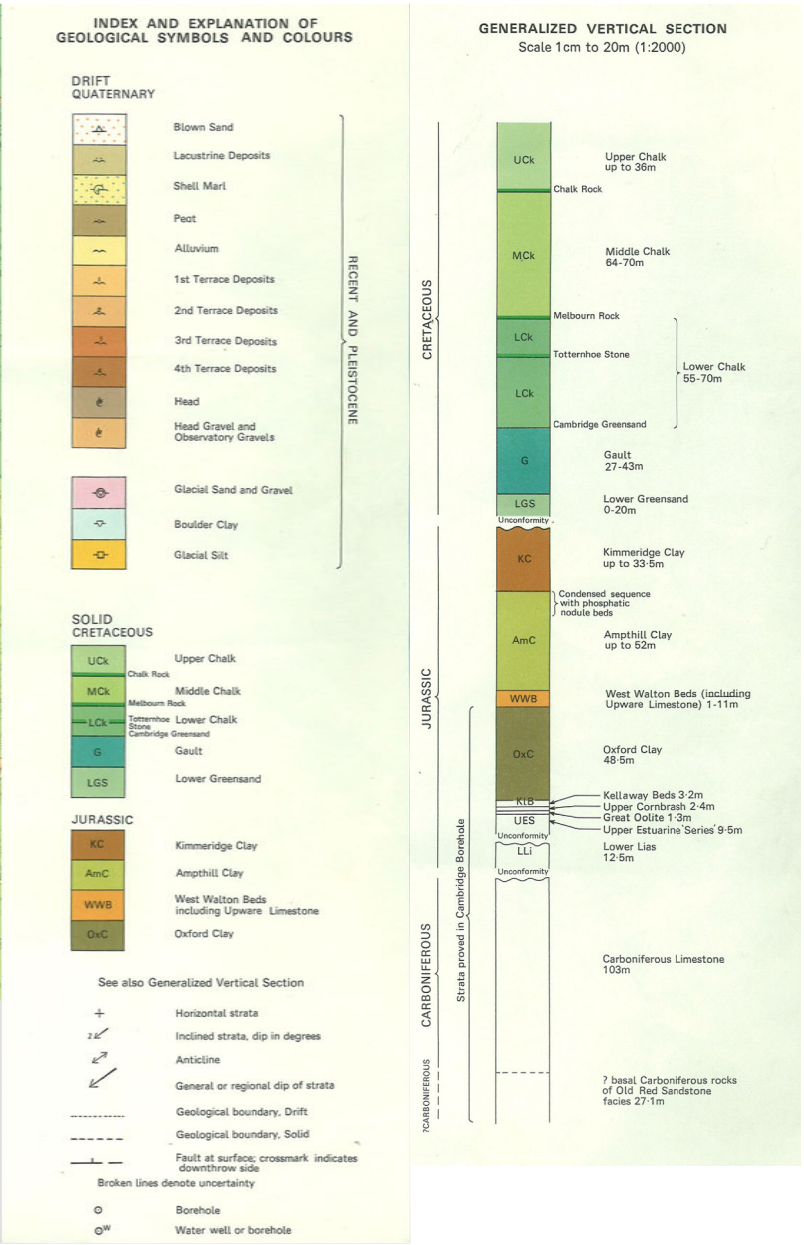
14.3	FIGURE
CHP Plant (B15) and 3 Boilers Contribution to NO _x Concentrations	TITLE
1:12000	SCALE
-	DWG. NO.



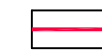
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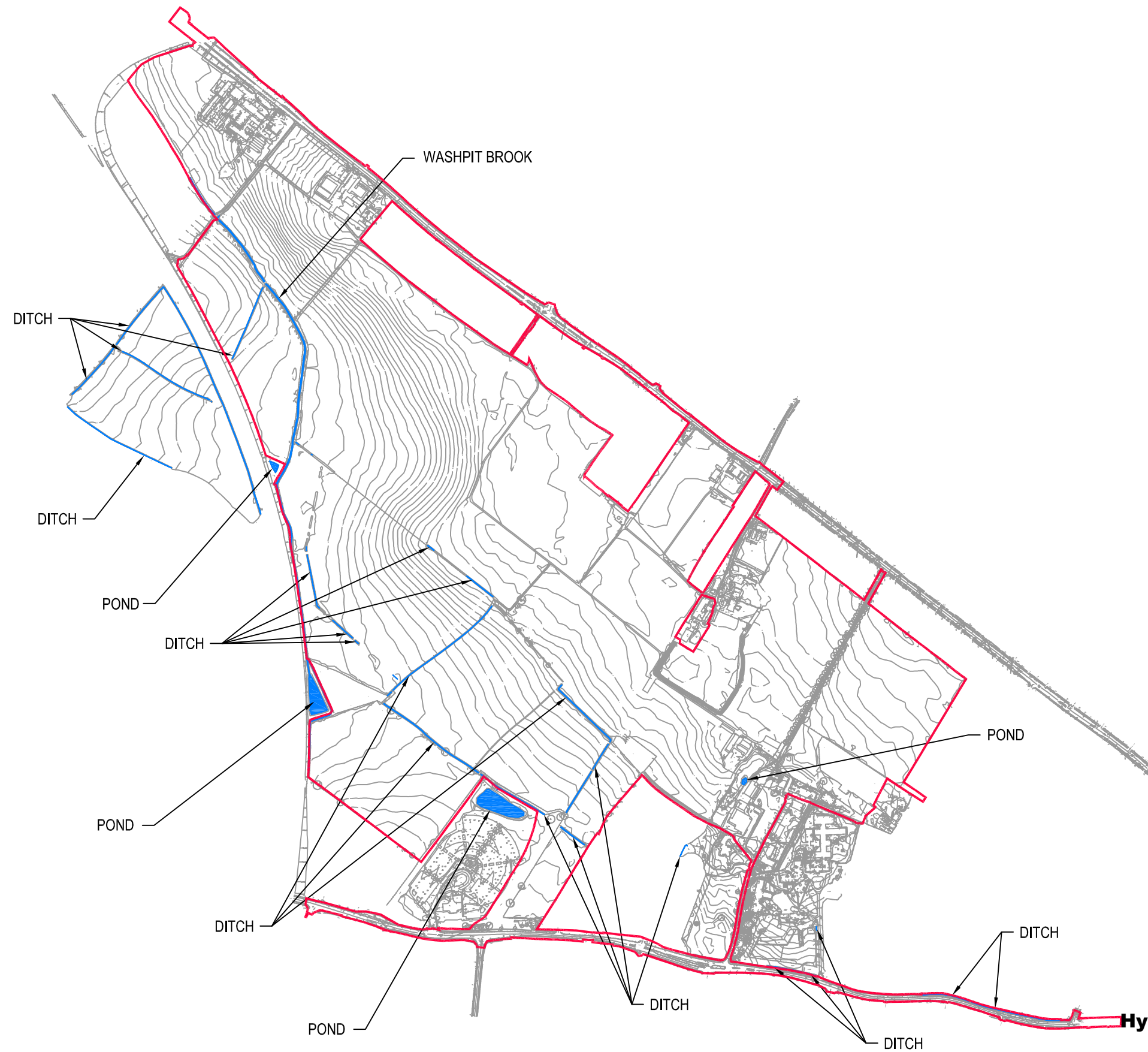
NORTH WEST CAMBRIDGE APPLICATION SITE BOUNDARY



KEY



APPLICATION SITE BOUNDARY



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15.2

FIGURE

Hydrology, Drainage & Flood Risk
Existing Drainage Features

TITLE

1:10000

SCALE

-

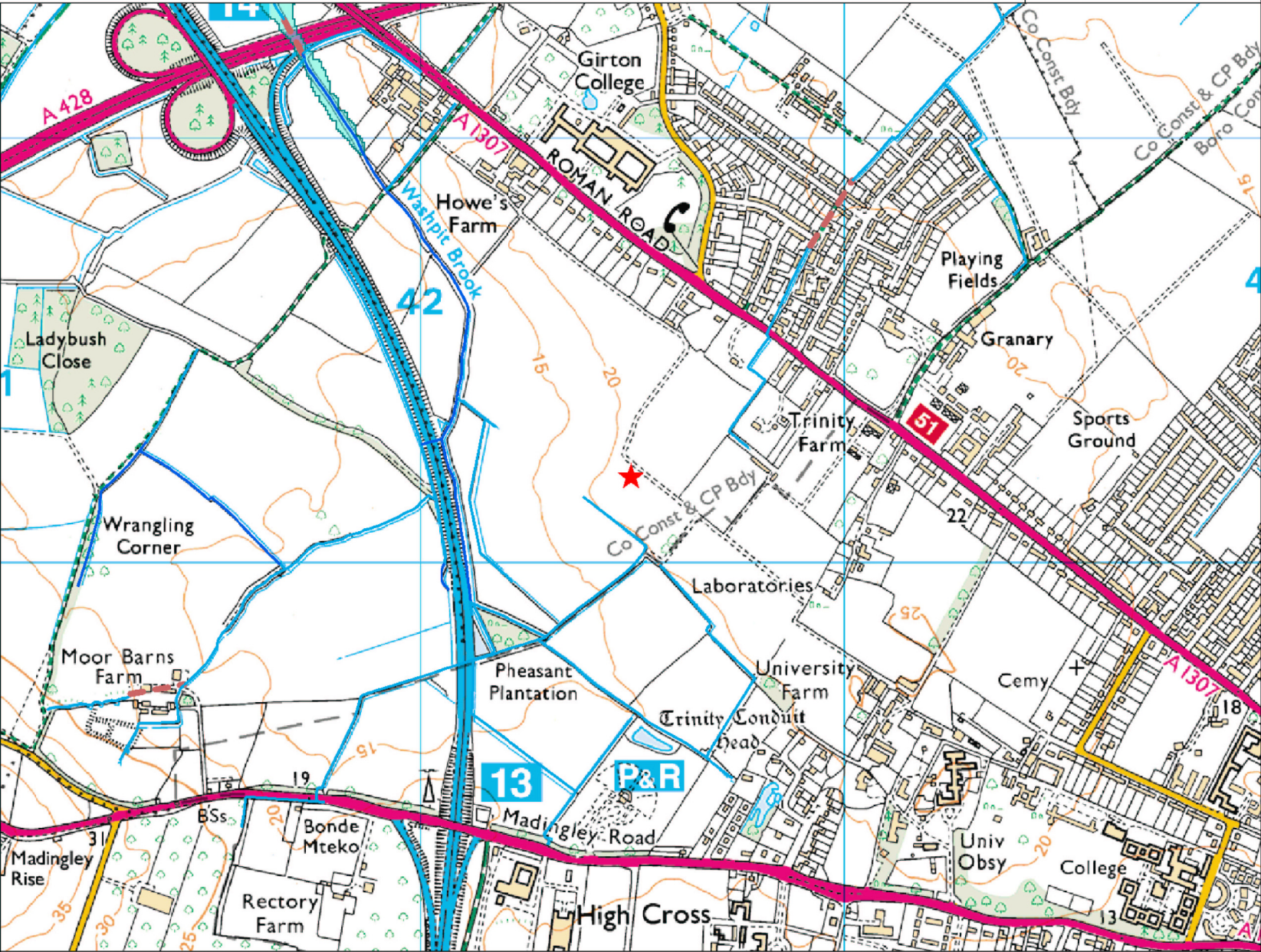
DWG. NO.



CCC/2010/16380 Flood Zone Map



- Legend**
- Detailed River Network**
- Primary River
 - Secondary River
 - Tertiary River
 - D/S of High Water Mark
 - D/S of Seaward Extension
 - Lake / Reservoir
 - Canal
 - Extended Culvert (greater than 50m)
 - Canal Tunnel
 - Underground River (inferred)
 - Underground River (local knowledge)
- Flood Map - Defences**
- Areas Benefiting from Flood Defences
 - Flood Map - Flood Storage Areas
 - Flood Map - Flood Zone 3
 - Flood Map - Flood Zone 2



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15.3 FIGURE

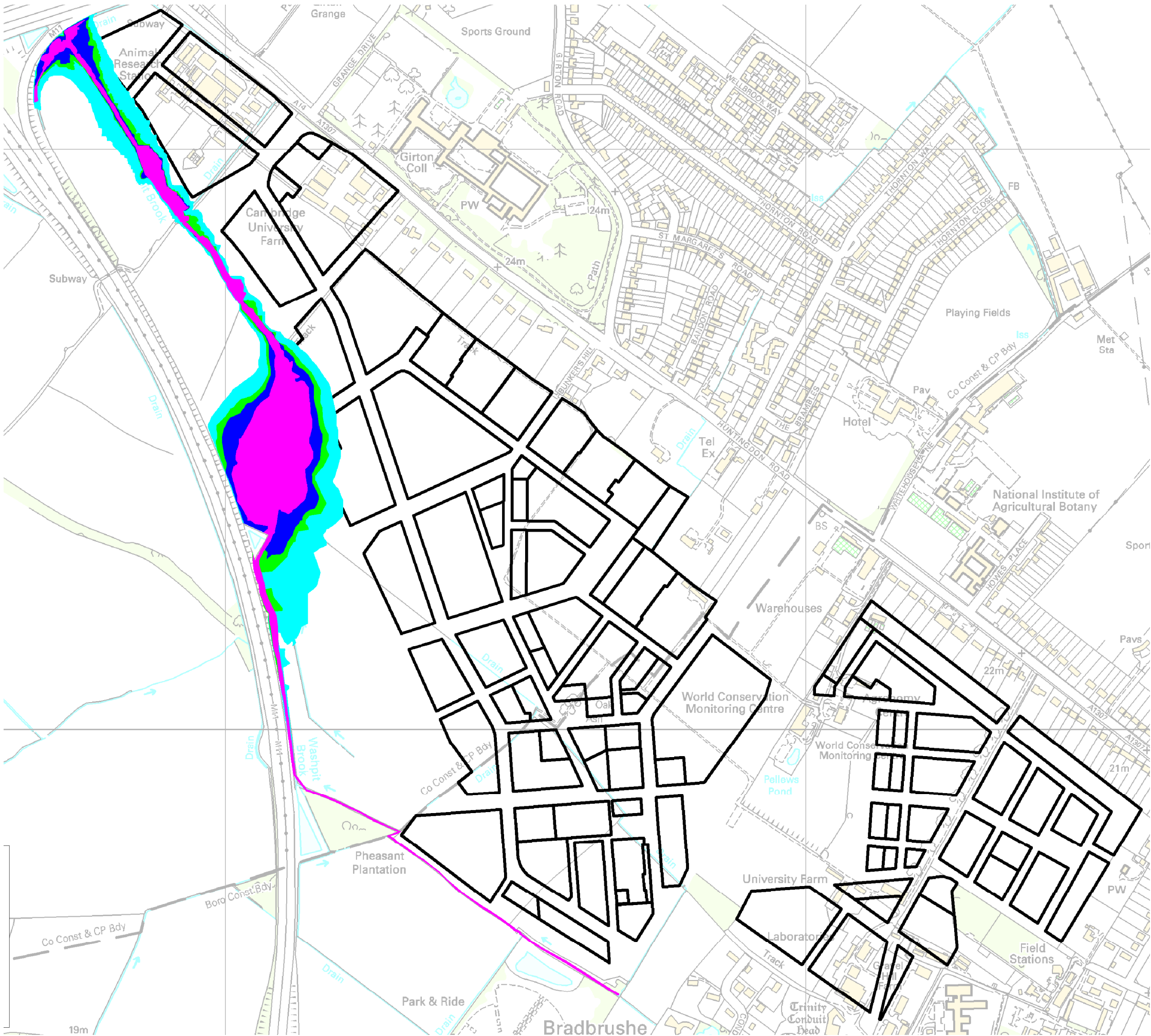
Hydrology, Drainage & Flood Risk TITLE

Flood Zone Map

NTS SCALE

- DWG. NO.





KEY:

- 1 in 20 Year Flood Extent
- 1 in 100 Year Flood Extent
- 1 in 100 Year + Climate Change Flood Extent
- 1 in 1000 Year Flood Extent
- Bunds



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15.4

**Hydrology, Drainage
& Flood Risk**
Baseline Fluvial
Flood Extent

NOT TO SCALE

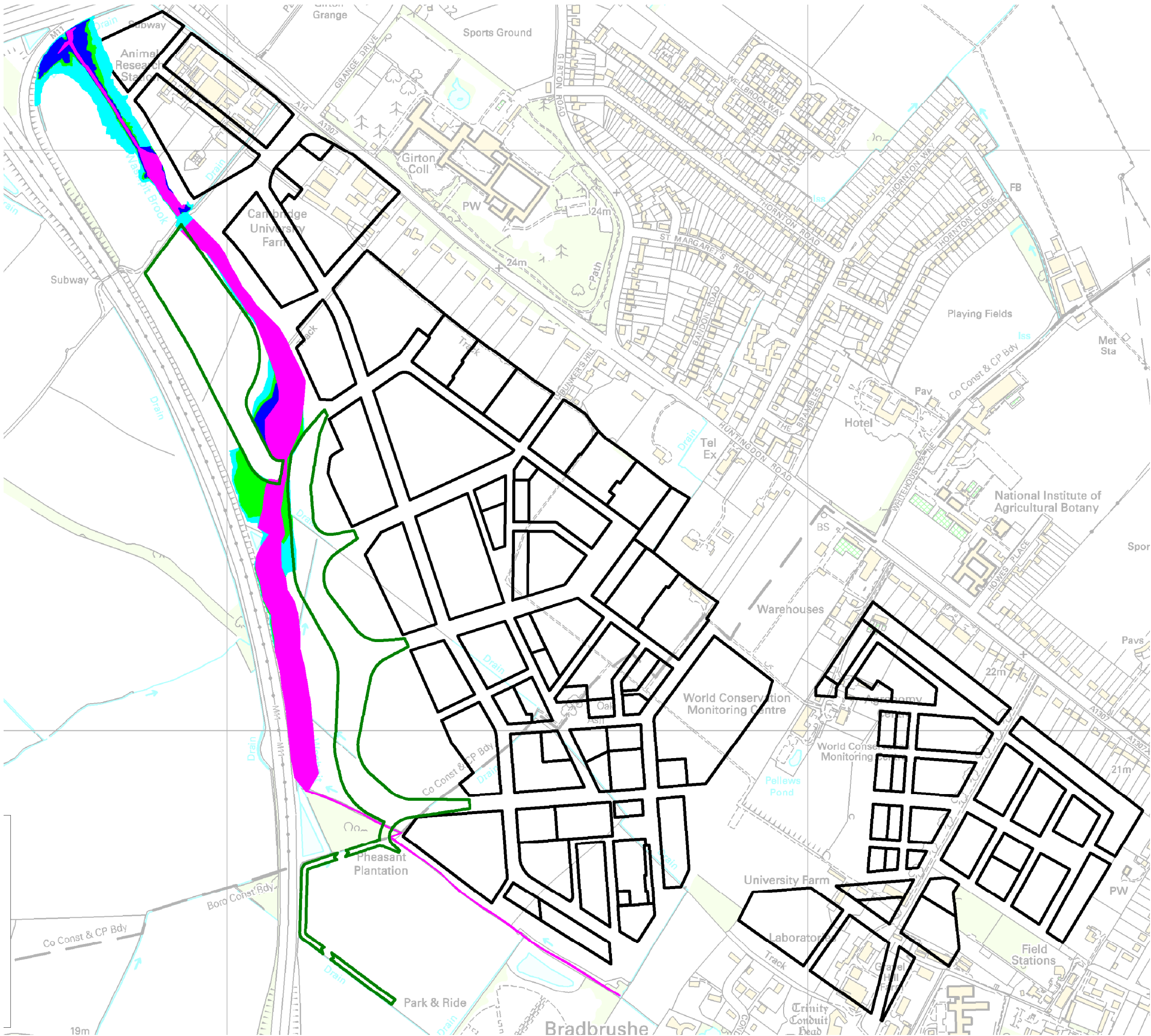
FIGURE

TITLE

SCALE

DWG. NO.





KEY:

- 1 in 20 Year Flood Extent
- 1 in 100 Year Flood Extent
- 1 in 100 Year + Climate Change Flood Extent
- 1 in 1000 Year Flood Extent
- Bunds

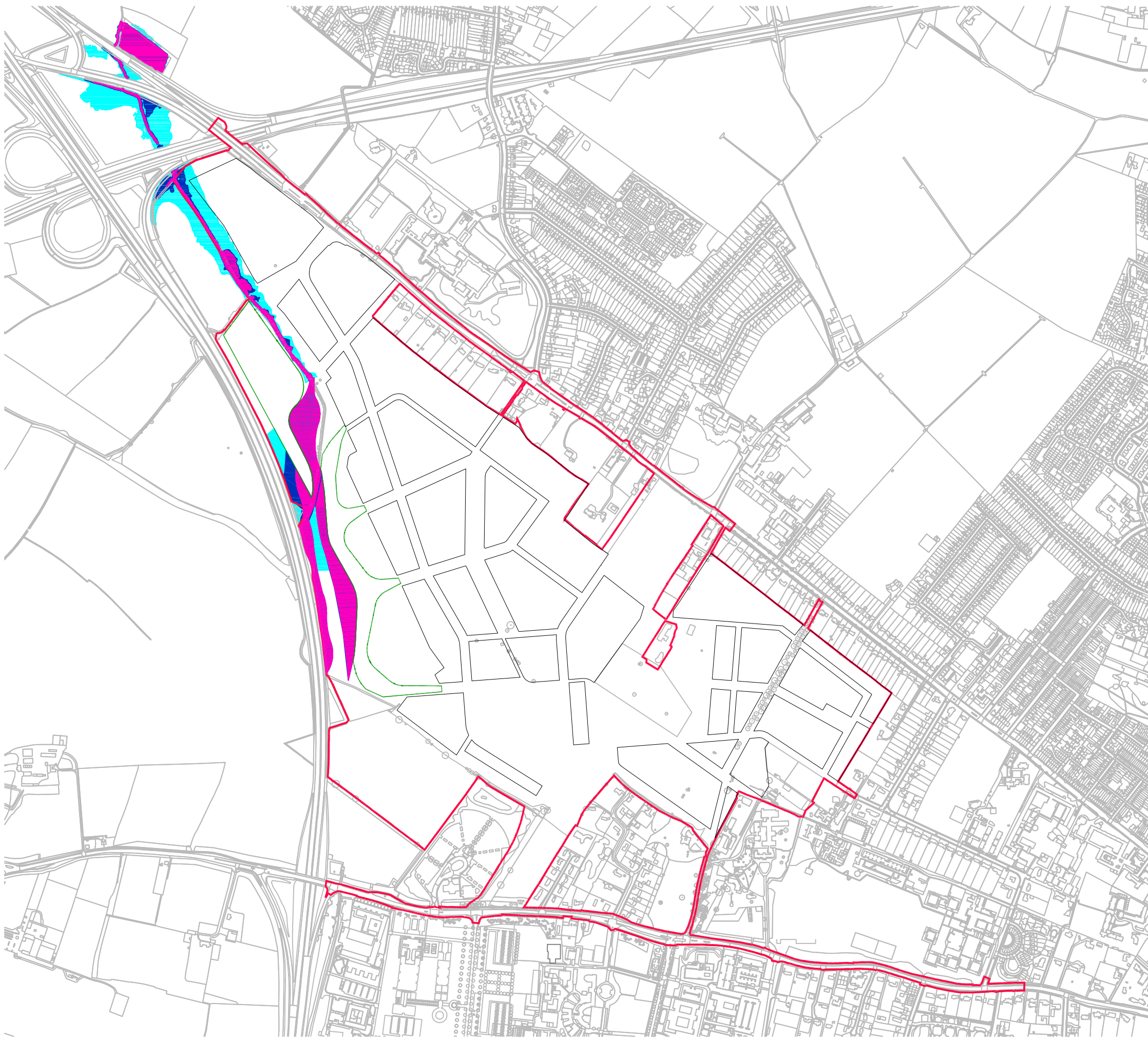


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15.5
**Hydrology, Drainage
& Flood Risk**
Proposed Fluvial
Flood Extent
NOT TO SCALE

FIGURE
TITLE
SCALE
DWG. NO.





- KEY
- APPLICATION SITE BOUNDARY
 - PROPOSED DEVELOPMENT OUTLINE
 - 1 IN 20 YEAR FLOOD EXTENT
 - 1 IN 100 YEAR FLOOD EXTENT
 - 1 IN 1000 YEAR FLOOD EXTENT
 - PROPOSED BUND



15.6	FIGURE
Hydrology, Drainage & Flood Risk	TITLE
Refined Fluvial Flood Extent	
1:10000	SCALE
—	DWG. NO.



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